PRODUCT QUICK GUIDE

CCTV PROJECT PRODUCTS

January–June 2022

HIKVISION®

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DORI Distance

DEEP LEARNING

Deep Learning is the new buzzword in science and technology.

A technology with innumerable applications, Deep Learning is beginning to influence many aspects of our lives. When it comes to the field of video & image analytics, Deep Learning applications have grown rapidly in recent years, benefiting from sophisticated algorithms based on neural networks. Now, Hikvision's DeepinView Series Cameras and DeepinMind Series NVRs and Servers will lead the way in this new world of security technology by making invisible intelligence visible for users, and then putting that intelligence to good use.

And what can Hikvision's Deep Learning products do? Facial Detection is only the beginning. With analytics that take business solutions into the next century, and with automated alarm accuracy above 90%, this technology is a step above and beyond video security as we know it.

Hikvision's Deep Learning technology filters insignificant objects and movements in a scene that would trigger conventional alarm systems. Vehicle data gets recorded and shapes the database to perform numerous security functions. People Counting systems give businesses an edge in marketing and conversion rates.

Across the board, Hikvision's Deep Learning Solutions are adding value on multiple levels – today and tomorrow.

Facial Recognition

Vehicle Identification

Human & Vehicle Classification（AcuSense）

People Counting

Hard Hat Detection

More

ULTRA-LOW LIGHT

DarkFighter & DarkFighterX

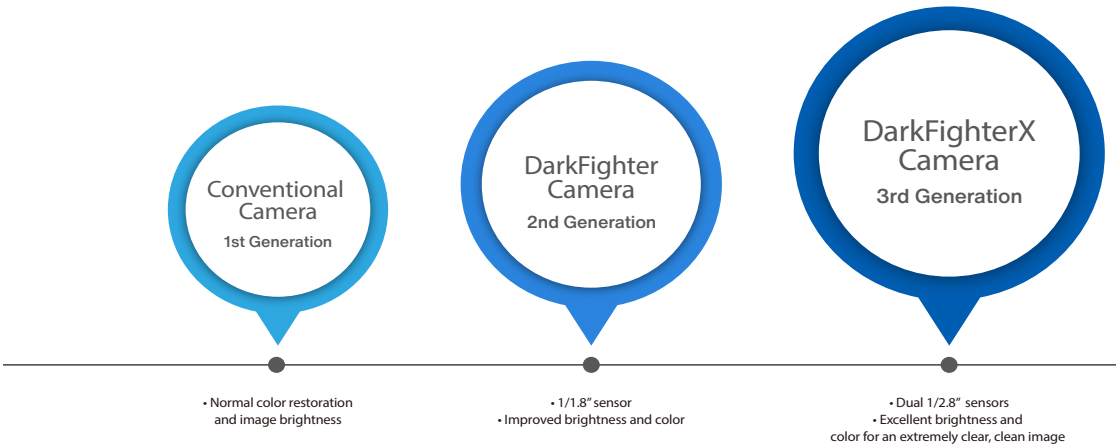
With the deepening of security awareness and the building boom of safe cities, high-quality video security has become a basic requirement. Since night hours make up almost half of the security recording, and since most crime happens at night, improving low-light video quality is the most critical problem in the video security industry today.

DarkFighter – Stunning color video in near darkness

Featuring a large HD progressive scan CMOS sensor, Hikvision's DarkFighter Technology captures excellent color imaging in extremely dark environments – even down to 0.002 lux – and automatically switches to monochrome by removing the IR filter to boost sensitivity when illumination is lower than 0.002 lux. All the while, DarkFighter maintains superlative image quality.

DarkFighterX – Dual-sensor imaging for full color images

DarkFighterX's technology is based on the retinal imaging that human eyes use to process color and brightness. This human-like technology features an innovative dual-sensor design – one sensor for IR imaging that guarantees image brightness, the other sensor for visible light that guarantees vivid color. These signals are then combined into one bright, full-color image.



HIKVISION ACUSENSE TECHNOLOGY

A sense of safety is one of the most basic human needs, and that goes for both personal and property safety. And this is exactly why people install security systems in their homes and businesses.

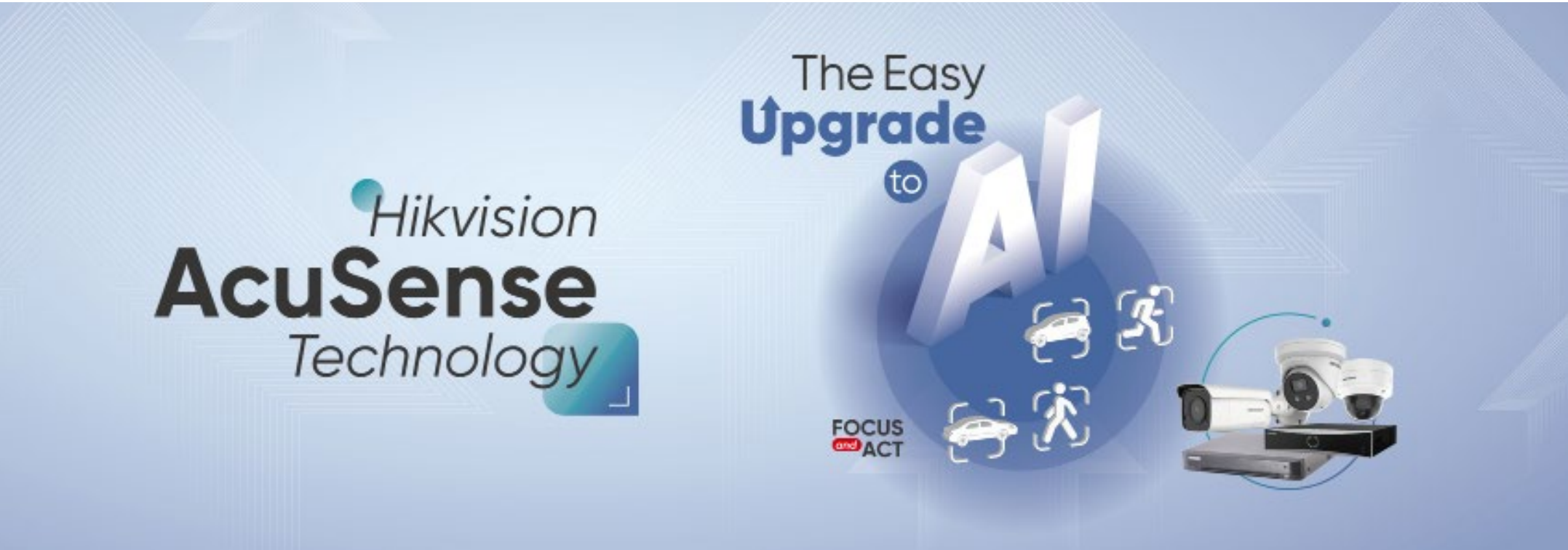
Compared to conventional sensor-based alarm systems, a video-based security system that utilizes cameras has several advantages: the ability to watch events in real-time over the live feed, capture critical data around those events, and provide solid and accurate evidence for law enforcement.

AcuSense technology adds a touch of intelligence to Hikvision's popular cameras and video recorders, making them perfect for an accessible and intelligent security system. Based on deep learning technology, AcuSense helps you focus on human and vehicle events in two ways: alarms will only trigger when the preset type of intrusion takes place, and video footage is sorted by target-type categories for easier searching through recorded footage.

AcuSense Technology

Select camera models equipped with AcuSense technology and the Live Guard function feature a strobe light and audio alarm, serving as virtual security guards to ward off trespassers and protect users from potential threats. Video footage is classified into human and vehicle categories for quick search and retrieval whenever needed.

Sophisticated, highly effective, and affordable, the AcuSense solution provides SMB owners and operators an intelligent and easy-to-use protection system for their property and assets, while helping resellers build a uniquely competitive go-to-market proposition.



HIKVISION COLORVU TECHNOLOGY

Darkness provides cover for theft, trespassing, and other crimes. When incidents occur at night, dim, low-quality images from conventional cameras miss or lose critical details. Cameras with infrared LEDs are able to provide extra light for clearer image, but in black-and-white.

But now, imagine capturing vivid, colorful details – such as the color of people's clothing or of a car – even in total darkness. Hikvision ColorVu Technology makes this possible.

Hikvision ColorVu Technology enables front-end products to capture details in low light with three advantages: advanced hardware, superior ISP algorithm, and reliable quality control. ColorVu technology employs two specific breakthroughs in hardware technology: advanced lenses and powerful sensors. These lenses reach up to F1.0, allowing more light to enter and thereby increasing image brightness. Next, high-sensitivity sensors vastly improve the utilization of that light. The frontier ISP algorithm realizes precise color rendition to produce accurate colorful images. Moreover, active alignment technology guarantees the focusing performance of lenses in the mass production of ultra-high definition ColorVu products, resulting in superlative quality control.

ColorVu
Technology

Extreme light conditions are also taken into consideration in the design process. Some cameras are equipped with warm, natural-looking supplemental lighting. This way, when there is no light source whatsoever – even starlight or street lights – they can guarantee colorful imaging. For most scenes, the environmental light is bright enough for ColorVu cameras to render vivid color without supplemental lighting.

HIKVISION HEATPRO VCA2.0

Any object with a temperature above absolute zero emits a detectable amount of infra-red (IR) radiation. Taking advantage of the differences in IR intensity between objects, thermal cameras make the invisible IR “visible” in the form of heat zone images. Therefore, thermal cameras “see” from different distances under virtually any light or weather condition, distinguishing people and vehicles from other objects.

The image reproduction of thermal cameras is not affected by lighting conditions - either extremely low light or even no light at all. And compared with imaging with visible light, thermal cameras are much less impacted by weather conditions such as fog, smog, rain and snow, so that they can work in virtually any environment, anytime.

HeatPro series thermal camera adopts VCA2.0 to produce reliable alarms for users. VCA 2.0 is an intelligent video content analysis technology based on deep learning algorithms, which detects targets and classifies them into human, vehicle and filters the others. With the 3-stpes configuration, users can easily set up VCA rules to detect actions such as line crossing, intrusion, region entrance, and region exit with high accuracy.

Hikvision’s HeatPro series Bi-spectrum thermal cameras, comprised of turrets and bullets, provide professional protection with AI-enabled human/vehicles detection and classification, accurate temperature measurement for fire prevention and real-time visual and audible alarms. The cameras hit the target for cost and performance with a variety of applications in apartments, construction sites, warehouses, industrial parks, stores and more.

LIGHTFIGHTER

140 dB WDR

Hikvision is set to reach new heights in extremely high contrast imaging with the ultra-high 140 dB WDR “LightFighter” technology for exceptional, industry-leading visibility in brightly lit or high-contrast environments. The result of this cutting-edge advancement is crystal-clear, detail-rich images with true color reproduction in lighting conditions that would defeat conventional WDR technology.

The key to the performance of the LightFighter technology is the industry-leading WDR system that allows cameras to record greater scene details even where the intensity of illumination varies considerably, such as backlighting when very dark and very bright areas appear simultaneously in the field of view. The 140 dB WDR in the LightFighter offers 100 times more powerful enhancement than the conventional 120 dB WDR systems.

LightFighter is particularly suited to intense backlight situations, and is the ideal technology for cameras pointing towards windows and entrance doors.

4K

With the development of 4K technology quickly coming into focus, opportunities to use this technology in security will continue to grow. As a leading IoT solution provider with video as its core competency, Hikvision has paid close attention to the rise of 4K and has launched a total 4K system to harness this technology in the global security industry.

Without complementary 4K components, such as monitors and NVRs, 4K cameras cannot be used to their full potential, and therefore have little practical use in security applications.

By building a total system – complete with cameras, NVRs, etc. – Hikvision strives to provide a system that is more helpful and more useful to its customers. The Hikvision 4K system, which comes equipped with a variety of smart functions, satisfies the security industry's need for advanced analytics with ultra-high resolution video.

Recently, Hikvision has released an 8K camera which monitors large scenes over long distances. This one camera does the work that once required several cameras, thus reducing installation and maintenance costs.

TANDEMVU TECHNOLOGY

As uncertainty in many aspects of life increases, people today have higher-than-ever expectations for security. Unforeseen incidents and risks continually challenge existing security systems. In many cases, conventional fixed-angle network cameras – with their limited field of view – cannot take in the full scene. And when they zoom in, they lose the original big picture. Incidents get missed and unexpected losses ensue. But there is an answer.

The new TandemVu technology features Hikvision's next-generation camera design, integrating multiple lenses in one unit to provide big picture and small details in tandem, which is a breakthrough in camera innovation.

Equipped with this technology, Hikvision's TandemVu PTZ Cameras maintain original, big-picture view even during pan, tilt, and zoom maneuvers. Users will see everything and miss nothing at any given instant, getting great situational awareness from the moment they set the camera up.

Network Camera

002 DeepinView Series

009 Ultra Series

025 Special Series

DeepinView Series Network Cameras

Deeper Intelligence Beyond the Edge

- High performance and intelligent products with Deep Learning algorithms and high performance GPU
- The 2nd-generation DeepinView Series supports multiple algorithms in one device for a variety of scenarios. Additionally, it integrates multiple lenses to simultaneously capture sharp details and the big picture for extensive situational awareness.
- People counting, dual-lens people counting, multi-target-type detection, ANPR, vehicle appearance analysis, hard hat detection, facial recognition, perimeter protection, and queue management.
- DeepinView Series products are edge nodes in the AI Cloud architecture, focusing on multidimensional data collection and front-end intelligent processing.

9 series

Model	iDS-2PT9A144MXS-D/T2(1352/6)
Image	DeepinView
Image Sensor	1/1.8" progressive scan CMOS
Max. Resolution	2560 × 1440
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG
Min. Illumination	Panoramic Camera: Color: 0.002 Lux@(F1.0, AGC ON) Tracking PTZ Camera: Color: 0.0035 Lux@(F1.6, AGC ON)
WDR	120 dB
Lens	Panoramic Camera:6mm Tracking PTZ Camera:13mm to 52mm
FOV	Panoramic Camera:Horizontal FOV 54° Tracking PTZ Camera: Horizontal FOV 32° to 8°
Max. IR Range	40m
VCA	Multi-Target-Type Detection, Face Capture, Face Comparison
Frame Rate	50Hz: 25fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3
Protection Level	IP66
Angle Adjustment	Pan: 0° to 210°, tilt: -15° to 22°
Operating Temperature	Outdoor: -40°C to 70°C (-40°F to 158°F)
Humidity	≤ 90%
Local Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC (up to 256 GB)
Indoor/Outdoor	Outdoor
Audio I/O	1-ch audio input and 1-ch audio output
Alarm I/O	1-ch alarm input and 1-ch alarm output, support alarm linkage: Memory Card Recording/Alarm Output/Notify Surveillance Center/Upload to FTP/Send Email
Power	36 VDC ± 25%, two core terminal block

8 series

Model	iDS-2CD8A46G0-XZ(H)S(Y)	iDS-2CD8A86G0-XZ(H)S(Y)
Image	HOT NEW ANPR DeepinView	HOT NEW ANPR DeepinView
Image Sensor	Channel 1: 1/1.8"" Progressive Scan CMOS, Channel 2: 1/1.8"" Progressive Scan CMOS	Channel 1: 1/1.2"" Progressive Scan CMOS Channel 2: 1/1.8"" Progressive Scan CMOS
Max. Resolution	Channel 1:2688 × 1520 Channel 2:2560 × 1440	Channel 1:3840 × 2160 Channel 2:2560 × 1440
Video Compression	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/custom stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/custom stream: H.265/H.264/MJPEG
Min. Illumination	Channel 1: Color:0.0005 Lux @ (F1.2, AGC ON), 0 Lux with Light, B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR, Channel 2: Color:0.0003 Lux @ (F1.0, AGC ON), 0 Lux with Light, B/W: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with IR	Channel 1: Color:0.0005 Lux @ (F1.2, AGC ON), 0 Lux with Light, B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR, Channel 2: Color:0.0003 Lux @ (F1.0, AGC ON), 0 Lux with Light, B/W: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with IR
WDR	140dB	140dB
Lens	Channel 1: 8 to 32 mm Channel 2: 4 mm	Channel 1: 10 to 50 mm Channel 2: 4 mm
FOV	Channel 1: 8 to 32 mm @F1.6, horizontal FOV 42.5° to 15.2°, vertical FOV: 23.4° to 8.7°, diagonal FOV 49.7° to 17.3° Channel 2: 4 mm @F1.0, horizontal FOV: 95.2°, vertical FOV: 50.6°, diagonal FOV: 114.7°	Channel 1: 8 to 32 mm @F1.6, horizontal FOV 42.5° to 15.2°, vertical FOV: 23.4° to 8.7°, diagonal FOV 49.7° to 17.3° Channel 2: 4 mm @F1.0, horizontal FOV: 95.2°, vertical FOV: 50.6°, diagonal FOV: 114.7°
Max. IR Range	Channel 1: up to 100 m, Channel 2: up to 30 m	Channel 1: up to 120 m Channel 2: up to 30 m
VCA	Deep-learning-based algorithm: Multi-target-type Detection, Face Capture, Face Comparison, Road Traffic and Vehicle Detection, Perimeter Protection Traditional algorithm: Motion detection, video tampering alarm, exception, ideo quality diagnosis, vibration detection	Deep-learning-based algorithm: Multi-target-type Detection, Face Capture, Face Comparison, Road Traffic and Vehicle Detection, Perimeter Protection Traditional algorithm: Motion detection, video tampering alarm, exception, ideo quality diagnosis, vibration detection
Frame Rate	Channel 1: 50 Hz: 50 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 60 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720) Channel 2: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	Channel 1: 50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) Channel 2: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Streams	5	5
Protection Level	IP67, IK10, -Y: NEMA 4X	IP67, IK10, -Y: NEMA 4X
Angle Adjustment	-	-
Operating Temperature	With -H:-40 °C to 60 °C (-40 °F to 140 °F), Without -H:-30 °C to 60 °C (-22 °F to 140 °F)	With -H:-40 °C to 60 °C (-40 °F to 140 °F), Without -H:-30 °C to 60 °C (-22 °F to 140 °F)
Humidity	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
Local Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB
Indoor/Outdoor	Outdoor	Outdoor
Audio I/O	1 input (line in, 3.5 mm) , 1 output (line out, 3.5 mm)	1 input (line in), 1 output (line out), 3.5 mm connector
Alarm I/O	2 inputs, 2 outputs (max. 24 VDC, 1 A)	2 inputs, 2 outputs (max. 24 VDC, 1 A)
Power	Three-core terminal block, 12 VDC ± 20%, 1.63A, max. 19.5 W, 24 VAC ± 20%, 1.3 A, max. 19.5 W, PoE: 802.3at, Type 2, Class 4	Three-core terminal block, 12 VDC ± 20%, 1.63A, max. 19.5 W, 24 VAC ± 20%, 1.3 A, max. 19.5 W, PoE: 802.3at, Type 2, Class 4

Model	iDS-2CD7026G0-(AP)	iDS-2CD7046G0-(AP)(/F11)	iDS-2CD7086G0-AP	iDS-2CD70C5G0-AP	iDS-2CD7146G0-IZ(H)S(Y)	iDS-2CD7186G0-IZ(H)S(Y)
Image	NEW DeepinView	HOT NEW DeepinView	NEW DeepinView	NEW DeepinView	HOT NEW DeepinView	NEW DeepinView
Image Sensor	1/1.8'' Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080	2560 × 1440	3840 × 2160	4000 × 3000	2560 × 1440	3840 × 2160
Video Compression	Main stream: H.265+/H.265/ H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/custom stream:H.265/ H.264/MJPEG	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/custom stream:H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/custom stream:H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/custom stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/ H.264 Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/ H.264 Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG
Min. Illumination	Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON)	Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON)	Color: 0.002 Lux @ (F1.2, AGC ON); B/W: 0.0002 Lux @ (F1.2, AGC ON)	Color: 0.009 Lux @ (F1.2, AGC ON); B/W: 0.0009 Lux @ (F1.2, AGC ON)	Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.002 Lux @ (F1.2, AGC ON); B/W: 0.0002 Lux @ (F1.2, AGC ON),0 Lux with IR
WDR	140 dB	140 dB	120 dB	DWDR	140 dB	120 dB
Lens	CS mount	CS mount	CS mount	CS mount	2.8 to 12 mm or 8 to 32 mm	2.8 to 12 mm or 8 to 32 mm
FOV	-	-	-	-	2.8 to 12 mm, horizontal FOV 107.4° to 39.8°, vertical FOV 56° to 22.4°, diagonal FOV 130.1° to 45.7° 8 to 32 mm, horizontal FOV 42.5° to 14°, vertical FOV 23.4° to 8°, diagonal FOV 49.7° to 17°	2.8 to 12 mm, horizontal FOV 98.0° to 38.1°, vertical FOV 51.4° to 21.6°, diagonal FOV 118.0° to 44° 8 to 32 mm, horizontal FOV 37.0° to 15.0°, vertical FOV 21.0° to 9.0°, diagonal FOV 43.0° to 17.0°
Max. IR Range	-	-	-	-	2.8 to 12 mm: 40 m 8 to 32 mm: 60 m	2.8 to 12 mm: 40 m 8 to 32 mm: 60 m
VCA	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	"Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception"	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception
Frame Rate	50 Hz: 50 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 60 fps (1920 × 1080, 1280 × 960, 1280× 720)	50 Hz: 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 60 fps (2560 × 1440, 1920 × 1080, 1280× 720)	50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280× 720)	50Hz: 25fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 30fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 50Hz: 20fps (4000 x 3000); 60Hz: 20fps (4000 x 3000)	50 Hz: 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 60 fps (2560 × 1440, 1920 × 1080, 1280× 720)	50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)
Streams	5	5	5	5+5	5	5
Protection Level	-	-	-	-	IP67,IK10, -Y: NEMA 4X	IP67,IK10, -Y: NEMA 4X
Angle Adjustment	-	-	-	-	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F).	-30 °C to 60 °C (-22 °F to 140 °F).	-30 °C to 60 °C (-22 °F to 140 °F).	-30 °C to 60 °C (-22 °F to 140 °F).	-30 °C to 60 °C (-22 °F to 140 °F) With heater model (-H): -40 °C to 60 °C (-40 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F) With heater model (-H): -40 °C to 60 °C (-40 °F to 140 °F)
Humidity	95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
Local Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
Indoor/Outdoor	Indoor	Indoor	Indoor	Indoor	Outdoor	Outdoor
Audio I/O	1 input (line in), 1 output (line out), 3.5 mm connector, 1 built-in microphone	1 input (line in), 1 output (line out), 3.5 mm connector, 1 built-in microphone	1 input (line in), 1 output (line out), 3.5 mm connector, 1 built-in microphone	1 inputs (line in), 1 output (line out), 3.5 mm connector, 1 built-in microphone	1 input (line in), 3.5 mm connector; 1 output (line out), 3.5 mm connector,2 built-in microphones, 1 built-in speaker	1 input (line in), 3.5 mm connector; 1 output (line out), 3.5 mm connector,2 built-in microphones, 1 built-in speaker
Alarm I/O	2 inputs, 2 outputs (max. 24 VDC,1A)	2 inputs, 2 outputs (max. 24 VDC,1A)	2 inputs, 2 outputs (max. 24 VDC, 1A)	2 inputs, 2 outputs (max. 24 VDC, 1A)	2 input, 2 output (max. 24 VDC/24 VAC, 1 A)	2 input, 2 output (max. 24 VDC/24 VAC, 1 A)
Power	12 VDC ± 20%, two-core terminal block, reverse polarity protection; 24 VAC ± 20%; PoE: 802.3af, Type 1 Class 3	12 VDC ± 20%, two-core terminal block, reverse polarity protection; 24 VAC ± 20%; PoE: 802.3af, Type 1 Class 3	12 VDC ± 20%, two-core terminal block, reverse polarity protection; 24 VAC ± 20%; PoE: 802.3af, Type 1 Class 3	12 VDC ± 20%, two-core terminal block, reverse polarity protection; 24 VAC ± 20%; PoE: 802.3af, Type 1 Class 3	12 VDC ± 25%, three-core terminal block 24 VAC ± 25%, PoE: 802.3at, Type 2 Class 4	12 VDC ± 25%, three-core terminal block 24 VAC ± 25%, PoE: 802.3at, Type 2 Class 4

Model	iDS-2CD71C5G0-IZS	iDS-2CD7526G0-IZHS(Y)	iDS-2CD7546G0-IZHS(Y)	iDS-2CD7586G0-IZHS(Y)
Image	NEW DeepinView	NEW DeepinView	HOT NEW DeepinView	NEW DeepinView
Image Sensor	1/1.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	4000 × 3000	1920 × 1080	2560 × 1440	3840 × 2160
Video Compression	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/ custom stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/ custom stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/ custom stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/ custom stream: H.265/H.264/MJPEG"
Min. Illumination	Color: 0.009 Lux @ (F1.2, AGC ON); B/W: 0.0009 Lux @ (F1.2, AGC ON)	Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON),0 Lux with IR	Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.002 Lux @ (F1.2, AGC ON); B/W: 0.0002 Lux @ (F1.2, AGC ON),0 Lux with IR
WDR	DWDR	140 dB	140 dB	120 dB
Lens	2.8 to 12 mm or 8 to 32 mm	2.8 to 12 mm or 8 to 32 mm	2.8 to 12 mm or 8 to 32 mm	2.8 to 12 mm or 8 to 32 mm
FOV	2.8 to 12 mm, horizontal FOV 96° to 46.2°, vertical FOV 69.2° to 27.2°, diagonal FOV 131° to 45.2° 8 to 32 mm, horizontal FOV 37.8° to 13.6°, vertical FOV 27.8° to 10.3°, diagonal FOV 48.6° to 17.4°	2.8 to 12 mm, horizontal FOV: 114.5° to 41.8°, vertical FOV: 59.3° to 23.6°, diagonal FOV: 141.1° to 48° 8 to 32 mm, horizontal FOV: 42.5° to 15.1°, vertical FOV: 23.3° to 8.64°, diagonal FOV: 49.6° to 17.3°	2.8 to 12 mm, horizontal FOV 114.5° to 41.8°, vertical FOV 59.3° to 23.6°, diagonal FOV 141.1° to 48° 8 to 32mm, horizontal FOV 42.5° to 15.1°, vertical FOV 23.3° to 8.64°, diagonal FOV 49.6° to 17.3°	2.8 to 12 mm, horizontal FOV 112.3° to 41.2°, vertical FOV 58° to 23.1°, diagonal FOV 137.3° to 47.3° 8 to 32 mm, horizontal FOV 41.8° to 14.9°, vertical FOV 22.9° to 8.48°, diagonal FOV 48.7° to 17°
Max. IR Range	2.8 to 12 mm: 30 m 8 to 32 mm: 50 m	2.8 to 12 mm: 30 m 8 to 32 mm: 50 m	2.8 to 12 mm: 30 m 8 to 32 mm: 50 m	2.8 to 12 mm: 30 m 8 to 32 mm: 50 m
VCA	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception
Frame Rate	50Hz: 25fps (4096 × 2160,3840 × 2160,3072 × 1728,2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 30fps (4096 × 2160,3840 × 2160,3072 × 1728,2560 × 1440, 1920 × 1080, 1280 × 720) 50Hz: 20fps (4000 × 3000) 60Hz: 20fps (4000 × 3000)	50 Hz: 50 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 60 fps (1920 × 1080, 1280 × 960, 1280× 720)	50 Hz: 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 60 fps (2560 × 1440, 1920 × 1080, 1280× 720)	50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)
Streams	5+5	5	5	5
Protection Level	IK10	IP67,IK10 -Y: NEMA 4X	IP67,IK10 -Y: NEMA 4X	IP67,IK10 -Y: NEMA 4X
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F)
Humidity	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
Local Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
Indoor/Outdoor	Indoor	Outdoor	Outdoor	Outdoor
Audio I/O	1 input (line in), 3.5 mm connector,; 1 output (line out), 3.5 mm connector, mono sound,1 built-in microphone	1 input (line in), 3.5 mm connector, 1 output (line out), 3.5 mm connector, 2 built-in microphones	1 input (line in), 3.5 mm connector, 1 output (line out), 3.5 mm connector, 2 built-in microphones	1 input (line in), 3.5 mm connector, 1 output (line out), 3.5 mm connector, 2 built-in microphones
Alarm I/O	1 input, 1 output (max. 24 VDC, 1 A)	1 input, 1 output (max. 24 VDC, 1 A)	1 input, 1 output (max. 24 VDC, 1 A)	1 input, 1 output (max. 24 VDC, 1 A)
Power	12 VDC ± 20%, two-core terminal block, reverse polarity protection; 24 VAC ± 20%; PoE: 802.3af, Type 1 Class 3	With -Y: 12 VDC ± 20%, three-core terminal block; 24 VAC ± 20%, three-core terminal block; PoE: 802.3at, Type 2, Class 4 Without -Y: 12 VDC ± 20%, two-core terminal block; 24 VAC ± 20%, two-core terminal block; PoE: 802.3at, Type 2, Class 4	With -Y: 12 VDC ± 20%, three-core terminal block; 24 VAC ± 20%, three-core terminal block; PoE: 802.3at, Type 2, Class 4 Without -Y: 12 VDC ± 20%, two-core terminal block; 24 VAC ± 20%, two-core terminal block; PoE: 802.3at, Type 2, Class 4	With -Y: 12 VDC ± 20%, three-core terminal block; 24 VAC ± 20%, three-core terminal block; PoE: 802.3at, Type 2, Class 4 Without -Y: 12 VDC ± 20%, two-core terminal block; 24 VAC ± 20%, two-core terminal block; PoE: 802.3at, Type 2, Class 4

Model	iDS-2CD75C5G0-IZHS(Y)(R)	iDS-2CD7A26G0-IZHS(Y)	iDS-2CD7A46G0-IZHS(Y)	iDS-2CD7A86G0-IZHS(Y)	iDS-2CD7AC5G0-IZHS(Y)(R)
Image	NEW DeepinView	NEW DeepinView	NEW DeepinView	NEW DeepinView	NEW DeepinView
Image Sensor	1/1.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.7" Progressive Scan CMOS
Max. Resolution	4000 × 3000	1920 × 1080	2560 × 1440	3840 × 2160	4000 × 3000
Video Compression	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/custom stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/custom stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/custom stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/custom stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/custom stream: H.265/H.264/MJPEG
Min. Illumination	Color: 0.009 Lux @ (F1.2, AGC ON); B/W: 0.0009 Lux @ (F1.2, AGC ON)	Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON),0 Lux with IR	Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON),0 Lux with IR	Color: 0.002 Lux @ (F1.2, AGC ON); B/W: 0.0002 Lux @ (F1.2, AGC ON),0 Lux with IR	Color: 0.009 Lux @ (F1.2, AGC ON); B/W: 0.0009 Lux @ (F1.2, AGC ON)
WDR	DWDR	140 dB	140 dB	120 dB	DWDR
Lens	2.8 to 12 mm or 8 to 32 mm	2.8 to 12 mm or 8 to 32 mm	2.8 to 12 mm or 8 to 32 mm	2.8 to 12 mm or 8 to 32 mm	2.8 to 12 mm or 8 to 32 mm
FOV	2.8 to 12 mm, horizontal FOV 96° to 46.2°, vertical FOV 69.2° to 27.2°, diagonal FOV 131° to 45.2° 8 to 32 mm, horizontal FOV 37.8° to 13.6°, vertical FOV 27.8° to 10.3°, diagonal FOV 48.6° to 17.4°	2.8 to 12 mm, horizontal FOV: 114.5° to 41.8°, vertical FOV: 59.3° to 23.6°, diagonal FOV: 141.1° to 48° 8 to 32 mm, horizontal FOV: 42.5° to 15.1°, vertical FOV: 23.3° to 8.64°, diagonal FOV: 49.6° to 17.3°	2.8 to 12 mm, horizontal FOV: 114.5° to 41.8°, vertical FOV: 59.3° to 23.6°, diagonal FOV: 141.1° to 48° 8 to 32 mm, horizontal FOV: 42.5° to 15.1°, vertical FOV: 23.3° to 8.64°, diagonal FOV: 49.6° to 17.3	2.8 to 12 mm, horizontal FOV: 112.3° to 41.2°, vertical FOV: 58° to 23.1°, diagonal FOV: 137.3° to 47.3° 8 to 32 mm, horizontal FOV: 41.8° to 14.9°, vertical FOV: 22.92° to 8.48°, diagonal FOV: 48.7° to 17°	2.8 to 12 mm, horizontal FOV: 96.2° to 36.4°, vertical FOV: 69.3° to 27.2°, diagonal FOV: 129.4° to 45.5° 8 to 32 mm, horizontal FOV: 40.2° to 14.4°, vertical FOV: 29.6° to 10.8°, diagonal FOV: 51.47° to 17.8°
Max. IR Range	2.8 to 12 mm: 30 m 8 to 32 mm: 50 m	2.8 to 12 mm: 50 m 8 to 32 mm: 80 m	2.8 to 12 mm: 50 m 8 to 32 mm: 80 m	2.8 to 12 mm: 50 m 8 to 32 mm: 80 m	2.8 to 12 mm: 50 m 8 to 32 mm: 80 m
VCA	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception
Frame Rate	50 Hz: 25 fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 50 Hz: 20 fps (4000 × 3000) 60 Hz: 20 fps (4000 × 3000)	50 Hz: 50 fps (1920 × 1080, 1280 × 960, 1280× 720) 60 Hz: 60 fps (1920 × 1080, 1280 × 960, 1280× 720)	50 Hz: 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 60 fps (2560 × 1440, 1920 × 1080, 1280× 720)	50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)	50Hz: 25fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 x 720) 60Hz: 30fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 50Hz: 20fps (4000 × 3000) 60Hz: 20fps (4000 × 3000)
Streams	5+5	5	5	5	5+5
Protection Level	IP67,IK10 -Y: NEMA 4X	IP67,IK10 -Y: NEMA 4X	IP67,IK10 -Y: NEMA 4X	IP67,IK10 -Y: NEMA 4X	IP67,IK10 -Y: NEMA 4X
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	-40 °C to 60 °C (-22 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F).	-40 °C to 60 °C (-40 °F to 140 °F).	-40 °C to 60 °C (-40 °F to 140 °F).	-40 °C to 60 °C (-22 °F to 140 °F)
Humidity	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
Local Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
Indoor/Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Audio I/O	With -R: 2 built-in microphone Without -R: 1 input (line in), 3.5 mm connector, 1 output (line out), 3.5 mm connector, mono sound	Without -Y: not support 'With -Y: 1 input (line in), 1 output (line out), 3.5 mm connector	Without -Y: not support With -Y: 1 input (line in), 1 output (line out), 3.5 mm connector	Without -Y: not support With -Y: 1 input (line in), 1 output (line out), 3.5 mm connector	With -R: not support with -IZHSY 1 input (line in), 3.5 mm connector, 1 output (line out), 3.5 mm connector, mono sound
Alarm I/O	1 input, 1 output (max. 24 VDC, 1 A)	2 input, 2 outputs (max. 24 VDC, 1 A)	2 input, 2 outputs (max. 24 VDC, 1 A)	2 input, 2 outputs (max. 24 VDC, 1 A)	2 input, 2 outputs (max. 24 VDC, 1 A)
Power	12 VDC ± 20%, 10 to 48 VDC, two-core terminal block, reverse polarity protection;24 VAC ± 20%, 15 to 36 VDC; PoE: 802.3at, Type 1, Class 4	12 VDC ± 20%, three-core terminal block, reverse polarity protection; PoE: 802.3at, Type 2 Class 4	12 VDC ± 20%, three-core terminal block, reverse polarity protection; PoE: 802.3at, Type 2 Class 4	12 VDC ± 20%, three-core terminal block, reverse polarity protection; PoE: 802.3at, Type 2 Class 4	12 VDC ± 20%, three-core terminal block, reverse polarity protection; PoE: 802.3at, Type 2 Class 4

Model	iDS-2CD7046G0/E-IHSY(/F11)(R)	iDS-2CD70C5G0/E-IHSY(R)	iDS-2CD7A26G0/P-IZHS(Y)	iDS-2CD7A46G0/P-IZHS(Y)	iDS-2CD7026G0/EP-IHSY
Image	HOT NEW DeepinView	NEW DeepinView	NEW ANPR DeepinView	HOT NEW ANPR DeepinView	NEW ANPR DeepinView
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8'' Progressive Scan CMOS
Max. Resolution	2560 × 1440	4000 × 3000	1920 × 1080	2688 x 1520	1920 × 1080
Video Compression	Main stream: H.265+/H.265/H.264+/ H.264Sub-stream/Third stream/Fourth stream/Fifth stream/custom stream:H.265/ H.264/MJPEG	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/custom stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/ Fifth stream/custom stream: H.265/H.264/ MJPEG	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/ Fifth stream/custom stream: H.265/H.264/ MJPEG	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream/third stream/fourth stream/fifth stream/custom stream: H.265/H.264/MJPEG
Min. Illumination	Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.002 Lux @ (F1.4, AGC ON); B/W: 0.0002 Lux @ (F1.4, AGC ON)	Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR
WDR	140 dB	DWDR	140 dB	140 dB	140 dB
Lens	CS mount	CS mount	2.8 to 12 mm or 8 to 32 mm	2.8 to 12 mm or 8 to 32 mm	CS mount
FOV	3.8 to 16 mm, horizontal FOV: 109.1° to 29.6°, vertical FOV: 61.3° to 16.8°, diagonal FOV: 125.1° to 33.9° 11 to 40 mm, horizontal FOV: 39.1° to 12.1°, vertical FOV: 21.4° to 6.8°, diagonal FOV: 45.8° to 13.9°	3.8 to 16 mm, horizontal FOV: 103.5° to 28.1°, vertical FOV: 77.3° to 21.1°, diagonal FOV: 129.3° to 35.0° 11 to 40 mm, horizontal FOV: 36.9° to 11.5°, vertical FOV: 27.1° to 8.6°, diagonal FOV: 47.5° to 14.4°	2.8 to 12 mm, horizontal FOV: 114.5° to 41.8°, vertical FOV: 59.3° to 23.6°, diagonal FOV: 141.1° to 48° 8 to 32 mm, horizontal FOV: 42.5° to 15.1°, vertical FOV: 23.3° to 8.64°, diagonal FOV: 49.6° to 17.3°	2.8 to 12 mm, horizontal FOV: 114.5° to 41.8°, vertical FOV: 59.3° to 23.6°, diagonal FOV: 141.1° to 48° 8 to 32 mm, horizontal FOV: 42.5° to 15.1°, vertical FOV: 23.3° to 8.64°, diagonal FOV: 49.6° to 17.3	3.8 to 16 mm, horizontal FOV: 109.1° to 29.6°, vertical FOV: 61.3° to 16.8°, diagonal FOV: 125.1° to 33.9° 11 to 40 mm, horizontal FOV: 39.1° to 12.1°, vertical FOV: 21.4° to 6.8°, diagonal FOV: 45.8° to 13.9°
Max. IR Range	3.8 to 16 mm: 80 m 11 to 40 mm: 120 m	3.8 to 16 mm: 80 m 11 to 40 mm: 120 m	2.8-12mm:50m 8-32mm:100m	2.8-12mm:50m 8-32mm:100m	3.8 to 16 mm: 80 m 11 to 40 mm: 120 m
VCA	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Multi-target-type Detection, Face Recognition, Premier Protection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Premier Protection, Road Traffic and Vehicle Detection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Premier Protection, Road Traffic and Vehicle Detection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Premier Protection, Road Traffic and Vehicle Detection Traditional algorithm: Motion detection, video tampering alarm, exception
Frame Rate	50 Hz: 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 60 fps (2560 × 1440, 1920 × 1080, 1280× 720)	50 Hz: 25 fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 50 Hz: 20 fps (4000 × 3000) 60 Hz: 20 fps (4000 × 3000)	50Hz: 50fps (1920 × 1080, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 720)	50Hz: 25fps (2688 x 1520,2560 x 1440,1920 x 1080,1280 x 720) 60Hz: 30fps (2680 x 1520,2560 x 1440,1920 x 1080,1280 x 720)	50Hz: 50fps (1920 × 1080, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 720)
Streams	5	5+5	5	5	5
Protection Level	IP67,IK10 -Y: NEMA 4X	IP67,IK10 -Y: NEMA 4X	IP67,IK10 -Y: NEMA 4X	IP67,IK10 -Y: NEMA 4X	IP67,IK10 -Y: NEMA 4X
Angle Adjustment	-	-	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	-
Operating Temperature	-40 °C to 65 °C (-40 °F to 149 °F)	-40 °C to 65 °C (-40 °F to 149 °F)	-40 °C to 60 °C (-40 °F to 140 °F).	-40 °C to 60 °C (-40 °F to 140 °F).	-40 °C to 65 °C (-40 °F to 149 °F)
Humidity	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
Local Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
Indoor/Outdoor	Outdoor	Outdoor	Outdoor		Outdoor
Audio I/O	With -R: not support Without -R: 1 input (line in), 1 output (line out), 3.5 mm connector, 2 channels	With -R: not support Without -R: 1 input (line in), 1 output (line out), 3.5 mm connector	Without -Y: not support with -Y 1 input (line in), 3.5 mm connector, 1 output (line out), 3.5 mm connector, mono sound	Without -Y: not support with -Y 1 input (line in), 3.5 mm connector, 1 output (line out), 3.5 mm connector, mono sound	1 inputs (line in), 1 output (line out), 3.5 mm connector
Alarm I/O	2 inputs, 2 outputs (max. 24 VDC, 1 A)	2 inputs, 2 outputs (max. 24 VDC, 1 A)	2 input, 2 outputs (max. 24 VDC, 1 A)	2 input, 2 outputs (max. 24 VDC, 1 A)	2 inputs, 2 outputs (max. 24 VDC, 1A)
Power	With F11: 24 VDC ± 20%, three-core terminal block 24 VAC ± 20%, three-core terminal block PoE: 802.3bt, Type3, Class 5 Without /F11: 24 VDC ± 20%, three-core terminal block 24 VAC ± 20%, three-core terminal block PoE: 802.3bt, Type3, Class 5	12 VDC ± 20%, two-core terminal block, reverse polarity protection; 24 VAC ± 20%; PoE: 802.3bt, Type3, Class 5	12 VDC ± 20%, three-core terminal block, reverse polarity protection; PoE: 802.3at, Type 2 Class 4	12 VDC ± 20%, three-core terminal block, reverse polarity protection; PoE: 802.3at, Type 2 Class 4	12 VDC ± 20%, three-core terminal block, 24 VAC ± 20%; three-core terminal block, PoE: 802.3bt, Type3, Class 5

Model	iDS-2CD7046G0/EP-IHSY	iDS-2CD7A45G0-IZ(H)S(Y)
Image	NEW ANPR DeepinView	HOT NEW DeepinView
Image Sensor	1/1.8" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS
Max. Resolution	2688 × 1520	2688 × 1520
Video Compression	Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream/Fourth stream/Fifth stream: H.265/H.264/MJPEG Third stream: H.265/H.264
Min. Illumination	Color: 0.002 Lux @ (F1.4, AGC ON); B/W: 0.002 Lux @ (F1.4, AGC ON)	Color: 0.009 Lux @ (F1.6, AGC ON), B/W: 0.0018 Lux @ (F1.6, AGC ON), 0 Lux with IR
WDR	140 dB	140 dB
Lens	CS mount	4.7 to 118 mm
FOV	3.8 to 16 mm, horizontal FOV: 109.1° to 29.6°, vertical FOV: 61.3° to 16.8°, diagonal FOV: 125.1° to 33.9° 11 to 40 mm, horizontal FOV: 39.1° to 12.1°, vertical FOV: 21.4° to 6.8°, diagonal FOV: 45.8° to 13.9°	4.7 to 118 mm, horizontal FOV 55.8° to 2.8°, vertical FOV 32.3° to 1.6°, diagonal FOV 63° to 3°
Max. IR Range	3.8 to 16 mm: 80 m 11 to 40 mm: 120 m	Up to 200 m
VCA	Deep-learning-based algorithm: Premier Protection, Road Traffic and Vehicle Detection Traditional algorithm: Motion detection, video tampering alarm, exception	Deep-learning-based algorithm: Premier Protection, Multi-target-type Detection,Face Capture,Face Comparison Traditional algorithm: Motion detection, video tampering alarm, exception, video quality diagnosis, vibration detection
Frame Rate	50Hz: 25fps (2688 x 1520,2560 x 1440,1920 x 1080,1280 x 720) 60Hz: 30fps (2680 x 1520,2560 x 1440,1920 x 1080,1280 x 720)	50 Hz: 25 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720) 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Streams	5	5
Protection Level	IP67,IK10 -Y: NEMA 4X	IP67,IK10 -Y: NEMA 4X
Angle Adjustment	-	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	-40 °C to 65 °C (-40 °F to 149 °F)	Without -H: -30 °C to 60 °C (-22 °F to 140 °F) With -H: -40 °C to 60 °C (-40 °F to 140 °F)
Humidity	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
Local Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB
Indoor/Outdoor	Outdoor	Outdoor
Audio I/O	1 input (line in), 1 output (line out), 3.5 mm connector	1 input (line in), 1 output (line out), 3.5 mm connector
Alarm I/O	2 inputs, 2 outputs (max. 24 VDC, 1 A)	2 inputs, 2 outputs (max. 24 VDC, 1 A)
Power	12 VDC ± 20%, three-core terminal block, 24 VAC ± 20%; three-core terminal block, PoE: 802.3bt, Type3, Class 5	With -Y: 12 VDC ± 20%, three-core terminal block 24 VAC ± 20%, three-core terminal block PoE: 802.3at, Type 2, Class 4 Without -Y: 12 VDC ± 20%, two-core terminal block 24 VAC ± 20%, two-core terminal block PoE: 802.3at, Type 2, Class 4

Model	DS-2CD6825G0/C-IS	DS-2CD6825G0/C-IVS
Image	HOT DeepinView	HOT DeepinView
Image Sensor	1/1.2.7" Progressive Scan CMOS	1/1.2.7" Progressive Scan CMOS
Max. Resolution	1920 × 1080	1920 × 1080
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/H.264 Sub stream: H.265/H.264/MJPEG
Min. Illumination	Color: 0.005 Lux @ (F1.2, AGC ON), 0.0176 Lux @ (F2.25, AGC ON) B/W: 0.001 Lux @ (F1.2, AGC ON), 0.0035 Lux @ (F2.2.5, AGC ON)	Color: 0.005 Lux @ (F1.2, AGC ON), 0.0176 Lux @ (F2.25, AGC ON) B/W: 0.001 Lux @ (F1.2, AGC ON), 0.0035 Lux @ (F2.2.5, AGC ON)
WDR	Digital WDR	Digital WDR
Lens	2 mm	2 mm
FOV	Horizontal FOV 104.5°, vertical FOV 70.5°, diagonal FOV 112°	Horizontal FOV 104.5°, vertical FOV 70.5°, diagonal FOV 112°
Max. IR Range	6 m	6 m
VCA	Counts people entering and exiting separately Supports real-time uploading and uploading by statistic cycle Sends email reports on daily, weekly, monthly or annually basis Supports target filtering by height	Counts people entering and exiting separately Supports real-time uploading and uploading by statistic cycle Sends email reports on daily, weekly, monthly or annually basis Supports target filtering by height
Frame Rate	50Hz: 25fps (1920 × 1080, 1280 × 720); 60Hz: 30fps (1920 × 1080, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 720); 60Hz: 30fps (1920 × 1080, 1280 × 720)
Streams	2	2
Protection Level	-	IP67
Angle Adjustment	-	
Operating Temperature	'-30 °C to +45 °C (-22 °F to +113 °F)	'-30 °C to +45 °C (-22 °F to +113 °F),
Humidity	95% or less (non-condensing)	95% or less (non-condensing)
Local Storage	-	-
Indoor/Outdoor	Indoor	Outdoor
Audio I/O	1 built-in mic -S: 1 input (line in, two-core terminal block), 1 output (two-core terminal block), mono sound	1 built-in mic -S: 1 input (line in, two-core terminal block), 1 output (two-core terminal block), mono sound
Alarm I/O	1 input, 1 output (max. 24 VDC, 1 A)	1 input, 1 output (max. 24 VDC, 1 A)
Power	12 VDC±20%, reverse polarity protection, Φ5.5mm coaxial power plug 12 VDC, PoE (36 to 57 VDC, 802.3af), Class3	12 VDC±20%, reverse polarity protection, Φ5.5mm coaxial power plug 12 VDC, PoE (36 to 57 VDC, 802.3af), Class3

Ultra Series Network Cameras

- Ultra Series Cameras easily meet the requirements for projects with surprisingly high performance, excellent stability and network security
- Excellent adaptability to lighting conditions with DarkFighter and ColorVu technologies
- False alarm reduction through human and vehicle target classification based on AcuSense technology
- Excellent stability: dual-file system backup, wide voltage range, NEMA 4X anti-corrosion, etc.
- Loaded with advanced security functionalities to increase your system's cyber defense capabilities, including 802.1x EAP-TLS 1.2, security audit log, stream encryption, SFTP, SD card encryption, etc.
- Supports HEOP, Metadata, ONVIF, ISAPI, SDK, and E-Home to make integration easier

Model	DS-2CD304762-LS	DS-2CD308762-LSU	DS-2CD334762-LSU	DS-2CD338762-LSU	DS-2CD354762-LS	DS-2CD3T8762P-LSU_SL
Image		HOT		HOT NEW		
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.2" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.2" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	2 × 1/1.8" Progressive Scan CMOS
Max. Resolution	2688 × 1520	3840 × 2160	2688 × 1520	3840 × 2160	2688 × 1520	5120 × 1440
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light
WDR	130 dB	120 dB	130 dB	130 dB	130 dB	130 dB
Lens	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm	2.8 mm, 4 mm	4 mm
FOV	2.8 mm, horizontal FOV 112°, vertical FOV 61°, diagonal FOV 134° 4 mm, horizontal FOV 95°, vertical FOV 51°, diagonal FOV 115° 6 mm, horizontal FOV 58°, vertical FOV 31°, diagonal FOV 69	2.8 mm: horizontal FOV102°, vertical FOV 52°, diagonal FOV 124° 4 mm: horizontal FOV 88°, vertical FOV 47°, diagonal FOV 104° 6 mm: horizontal FOV 54°, vertical FOV 30°, diagonal FOV 62°	2.8 mm, horizontal FOV 112°, vertical FOV 61°, diagonal FOV 134° 4 mm, horizontal FOV 95°, vertical FOV 51°, diagonal FOV 115° 6 mm, horizontal FOV 58°, vertical FOV 31°, diagonal FOV 69	2.8 mm, horizontal FOV 102°, vertical FOV 52°, diagonal FOV 124° 4 mm, horizontal FOV 88°, vertical FOV 47°, diagonal FOV 104°	2.8 mm, horizontal FOV 112°, vertical FOV 61°, diagonal FOV 134° 4 mm, horizontal FOV 95°, vertical FOV 47°, diagonal FOV 115°	Horizontal FOV: 180° ± 10° Vertical FOV: 44°
Max. IR Range	40 m	40 m	40 m	40 m	40 m	40 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, scene change detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection
Frame Rate	50Hz: 25 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720) 60Hz: 30 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720	50Hz: 25 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720) 60Hz: 30 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 12.5 fps (5120 × 1440) 60 Hz: 15 fps (5120 × 1440
Multi-Streaming	4	4	4	4	4	4
Protection Level	IP67	IP67,IK10	IP67	IP67	IP67	IP67
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to75°, rotate: 0° to 360°	Pan: -30° to 30°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	256 GB	256 GB	256 GB	256 GB	256 GB	256 GB
Audio I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out Built-in microphone	1 in, 1 out	1 in, 1 out	1 in, 1 out
Alarm I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	2 in, 2 out
Power Supply	12 VDC ± 25% PoE: 802.3af, Type 1, Class 3	12 VDC ± 25%, 7 W PoE:(802.3af, 36 V to 57 V), 8.5 W	12 VDC ± 25%, reverse polarity protection PoE: 802.3af, Class 3	12 VDC, 0.47 A, max. 5.6 W PoE: 802.3af, 36 V to 57 V, 0.18 A to 0.12 A, max. 6.6 W	12 VDC ± 25%, 0.54 A, max. 6.5 W, Ø5.5 mm coaxial power plug, reverse polarity protection PoE: (802.3af, Class 3, 36 V to 57 V), 0.22 A to 0.14 A, max. 8 W	12 VDC ± 25%, 0.79 A, max. 9.5 W, Ø 5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.29 A to 0.18 A, max. 10.5 W

Model	DS-2CD3387G2P-LSU_SL	DS-2CD3B26G2T-IZHS(Y)	DS-2CD3B46G2T-IZHS(Y)	DS-2CD3B86G2T-IZHS(Y)	DS-2CD3D46G2T-IZMSU	DS-2CD3D26G2T-IZHSU(Y)
Image	HOT NEW ColorVu	HOT DarkFighter	HOT DarkFighter	HOT DarkFighter	HOT NEW DarkFighter	HOT DarkFighter
Image Sensor	2 × 1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	5120 × 1440	1920 × 1080	2688 × 1520	3840 × 2160	2688 × 1520	1920 × 1080
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light	0.0014 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR	0.0014 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR	0.0014 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR	0.0014 Lux @ (F1.4, AGC ON),B/W: 0 Lux with IR on	0.0014 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR
WDR	130 dB	140 dB	140 dB	140 dB	140 dB	140 dB
Lens	4 mm	2.8 to 12 mm 8 to 32 mm	2.8 to 12 mm 8 to 32 mm"	2.8 to 12 mm	2.8 to 12 mm	2.8 to 12 mm 8 to 32 mm
FOV	Horizontal FOV: 180° ± 10° Vertical FOV: 44°	2.8 to 12 mm: horizontal FOV 107° to 40°, vertical FOV 56° to 22°, diagonal FOV 130° to 46° 8 to 32 mm: horizontal FOV 43° to 15°, vertical FOV 23° to 9°, diagonal FOV 50° to 17°	2.8 to 12 mm: horizontal FOV 107° to 40°, vertical FOV 56° to 22°, diagonal FOV 130° to 46° 8 to 32 mm: horizontal FOV 43° to 15°, vertical FOV 23° to 9°, diagonal FOV 50° to 17°	2.8 to 12 mm: horizontal FOV 112° to 41°, vertical FOV 58° to 23°, diagonal FOV 137° to 47°	2.8 to 12 mm, horizontal FOV 115° to 42°, vertical FOV 59° to 24°, diagonal FOV 141° to 48°	2.8 to 12 mm: horizontal FOV 107° to 40°, vertical FOV 56° to 22°, diagonal FOV 130° to 46° 8 to 32 mm: horizontal FOV 43° to 15°, vertical FOV 23° to 9°, diagonal FOV 50° to 17°
Max. IR Range	40 m	2.8 to 12 mm: up to 60 m 8 to 32 mm: up to 80 m	2.8 to 12 mm: up to 60 m 8 to 32 mm: up to 80 m	2.8 to 12 mm: up to 60 m	40 m	2.8 to 12 mm: 40 m 8 to 32 mm: 60 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), Unattended baggage detection, object removal detection, scene change detection, audio exception detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Frame Rate	50 Hz: 20 fps (5120 × 1440) 60 Hz: 20 fps (5120 × 1440)	50Hz: 25fps (1920 × 1080, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 720)
Multi-Streaming	4	4	4	4	4	4
Protection Level	IP67	IP67,IK10	IP67,IK10	IP67,IK10	IP67,IK10	IP67,IK10
Angle Adjustment	Pan: -30° to 30°, tilt: -75° to 75°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-40 °C to +60 °C (-40 °F to +140 °F)	-40 °C to +60 °C (-40 °F to +140 °F)	-40 °C to +60 °C (-40 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-40 °C to +60 °C (-40 °F to +140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	256 GB	256 GB	256 GB	256 GB	256 GB	256 GB
Audio I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out
Alarm I/O	1 in, 1 out	3 in, 3 out	3 in, 3 out	3 in, 3 out	1 in, 1 out	2 in, 2 out
Power Supply	12 VDC, 0.47 A, max. 5.6 W PoE: 802.3af, 36 V to 57 V, 0.18 A to 0.12 A, max. 6.6 W	12 VDC ± 25% 24 VAC ± 20% PoE: 802.3at, Class 4	12 VDC ± 25% 24 VAC ± 20% PoE: 802.3at, Class 4	12 VDC ± 25% 24 VAC ± 20% PoE: 802.3at, Class 4	12 VDC ± 25%, 9.5 W, PoE: 802.3af, Class 3, 36 V to 27 V, 10.5 W	12 VDC ± 25%, 10.8W 24 VAC ± 20%, 10.8W PoE (802.3af, 36V to 57V), 12.9W

Model	DS-2CD3D46G2T-IZHSU(Y)	DS-2CD3D86G2T-IZHSU(Y)	DS-2CD3026G2-IS	DS-2CD3056G2-IS	DS-2CD3086G2-IS
Image	HOT DarkFighter	HOT DarkFighter	HOT		
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	2688 × 1520	3840 × 2160	1920 × 1080	2592 × 1944	3840 × 2160
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.0014 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR	0.0014 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR	0.002 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on
WDR	140 dB	140 dB	120 dB	120 dB	120 dB
Lens	2.8 to 12 mm 8 to 32 mm	2.8 to 12 mm 8 to 32 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm
FOV	2.8 to 12 mm: horizontal FOV 107° to 40°, vertical FOV 56° to 22°, diagonal FOV 130° to 46° 8 to 32 mm: horizontal FOV 43° to 15°, vertical FOV 23° to 9°, diagonal FOV 50° to 17°	2.8 to 12 mm: horizontal FOV 112° to 41°, vertical FOV 58° to 23°, diagonal FOV 137° to 47° 8 to 32 mm: horizontal FOV 41.8° to 14.9°, vertical FOV 22.9° to 8.5°, diagonal FOV 48.7° to 17.1°	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65°	2.8 mm, horizontal FOV 98°, vertical FOV 72°, diagonal FOV 131° 4 mm, horizontal FOV 80°, vertical FOV 58°, diagonal FOV 104° 6 mm, horizontal FOV 51°, vertical FOV 37°, diagonal FOV 66°	2.8 mm, horizontal FOV 111°, vertical FOV 59°, diagonal FOV 131° 4 mm, horizontal FOV 87°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 51°, vertical FOV 28°, diagonal FOV 60°
Max. IR Range	2.8 to 12 mm: 40 m 8 to 32 mm: 60 m	2.8 to 12 mm: 40 m 8 to 32 mm: 60 m	40 m	40 m	40 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Frame Rate	50Hz: 25fps (1920 × 1080, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)	50Hz: 50fps (1920 × 1080, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2592 × 1944, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (2592 × 1944) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	4	4	4	4	4
Protection Level	IP67,IK10	IP67,IK10	IP67	IP67	IP67
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)	-40 °C to +60 °C (-40 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	256 GB	256 GB	256 GB	256 GB	256 GB
Audio I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out
Alarm I/O	2 in, 2 out	2 in, 2 out	1 in, 1 out	1 in, 1 out	1 in, 1 out
Power Supply	12 VDC ± 25%, 10.8W 24 VAC ± 20%, 10.8W PoE (802.3af, 36V to 57V), 12.9W	12 VDC ± 25%, 10.8W 24 VAC ± 20%, 10.8W PoE (802.3af, 36V to 57V), 12.9W	12 VDC ± 25% PoE: 802.3af, Type 1, Class 3	12 VDC ± 25% PoE: 802.3af, Type 1, Class 3	12 VDC ± 25% PoE: 802.3af, Type 1, Class 3

DS-2CD3D86G2T-IZHS(Y)	DS-2CD3126G2-IS(U)	DS-2CD3156G2-IS(U)	DS-2CD3186G2-IS(U)	DS-2CD3326G2-ISU	DS-2CD3356G2-ISU	DS-2CD3386G2-ISU
Image						
Image Sensor	1/2.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080	2592 × 1944	3840 × 2160	1920 × 1080	2592 × 1944	3840 × 2160
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.002 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on	0.002 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on
WDR	120 dB	120 dB	120 dB	120 dB	120 dB	120 dB
Lens	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm
FOV	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65°	2.8 mm, horizontal FOV 98°, vertical FOV 72°, diagonal FOV 131° 4 mm, horizontal FOV 80°, vertical FOV 58°, diagonal FOV 104° 6 mm, horizontal FOV 51°, vertical FOV 37°, diagonal FOV 66°	2.8 mm, horizontal FOV 111°, vertical FOV 59°, diagonal FOV 131° 4 mm, horizontal FOV 87°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 51°, vertical FOV 28°, diagonal FOV 60°	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65°	2.8 mm, horizontal FOV 98°, vertical FOV 72°, diagonal FOV 131° 4 mm, horizontal FOV 80°, vertical FOV 58°, diagonal FOV 104° 6 mm, horizontal FOV 51°, vertical FOV 37°, diagonal FOV 66°	2.8 mm, horizontal FOV 111°, vertical FOV 59°, diagonal FOV 131° 4 mm, horizontal FOV 87°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 51°, vertical FOV 28°, diagonal FOV 60°
Max. IR Range	40 m	40 m	40 m	40 m	40 m	40 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Frame Rate	50Hz: 50fps (1920 × 1080, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2592 × 1944, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (2592 × 1944) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)	50Hz: 50fps (1920 × 1080, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2592 × 1944, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (2592 × 1944) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	4	4	4	4	4	4
Protection Level	IP67,IK10	IP67,IK10	IP67,IK10	IP67	IP67	IP67
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	256 GB	256 GB	256 GB	256 GB	256 GB	256 GB
Audio I/O	1 in, 1 out, Built-in microphone(-U)	1 in, 1 out, Built-in microphone(-U)	1 in, 1 out, Built-in microphone(-U)	1 in, 1 out	1 in, 1 out	1 in, 1 out
Alarm I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out
Power Supply	12 VDC ± 25% PoE: 802.3af, Type 1, Class 3	12 VDC ± 25% PoE: 802.3af, Type 1, Class 3	12 VDC ± 25% PoE: 802.3af, Type 1, Class 3	12 VDC ± 25%, reverse polarity protection PoE: 802.3af, Type 1, Class 3	12 VDC ± 25%, reverse polarity protection PoE: 802.3af, Type 1, Class 3	12 VDC ± 25%, reverse polarity protection PoE: 802.3af, Type 1, Class 3

DS-2CD3D86G2T-IZHS(Y)	DS-2CD3526G2-IS	DS-2CD3556G2-IS	DS-2CD3586G2-IS	DS-2CD3T26G2-4IS	DS-2CD3T56G2-4IS	DS-2CD3T56G2-4ISY
Image	NEW	NEW	NEW			HOT NEW
Image Sensor	1/2.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution	1920 × 1080	2592 × 1944	3840 × 2160	1920 × 1080	2592 × 1944	2592 × 1944
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.002 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on	0.002 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR
WDR	120 dB	120 dB	120 dB	120 dB	120 dB	120 dB
Lens	2.8 mm, 4 mm	2.8 mm, 4 mm	2.8 mm, 4 mm	2.8 mm, 4 mm, 6 mm, 12 mm	2.8 mm, 4 mm, 6 mm, 12 mm	2.8 mm, 4 mm, 6 mm, 12 mm
FOV	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102°	2.8 mm, horizontal FOV 98°, vertical FOV 72°, diagonal FOV 131° 4 mm, horizontal FOV 80°, vertical FOV 58°, diagonal FOV 104°	2.8 mm, horizontal FOV 111°, vertical FOV 59°, diagonal FOV 131° 4 mm, horizontal FOV 87°, vertical FOV 47°, diagonal FOV 102°	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65° 12 mm, horizontal FOV 25°, vertical FOV 14°, diagonal FOV 29°	2.8 mm, horizontal FOV 97°, vertical FOV 71°, diagonal FOV 129° 4 mm, horizontal FOV 78°, vertical FOV 58°, diagonal FOV 102° 6 mm, horizontal FOV 44°, vertical FOV 34°, diagonal FOV 54° 12 mm, horizontal FOV 23°, vertical FOV 18°, diagonal FOV 29°	2.8 mm, horizontal FOV 98°, vertical FOV 72°, diagonal FOV 131° 4 mm, horizontal FOV 80°, vertical FOV 58°, diagonal FOV 104° 6 mm, horizontal FOV 51°, vertical FOV 37°, diagonal FOV 66° 12 mm, horizontal FOV 24°, vertical FOV 18°, diagonal FOV 30°
Max. IR Range	30 m	30 m	30 m	90 m	90 m	90 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, scene change detection, unattended baggage detection, object removal detection, audio exception detection
Frame Rate	50Hz: 50fps (1920 × 1080, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)	50Hz: 50fps (1920 × 1080, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2592 × 1944, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (2592 × 1944) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2592 × 1944, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (2592 × 1944) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	4	4	4	4	4	4
Protection Level	IP67	IP67	IP67	IP67	IP67	IP67
Angle Adjustment	Pan: -30° to 30°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: -30° to 30°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: -30° to 30°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	256 GB	256 GB	256 GB	256 GB	256 GB	256 GB
Audio I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out
Alarm I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	2 in, 2 out	2 in, 2 out	2 in, 2 out
Power Supply	12 VDC ± 25%, 0.45 A, max. 5.5 W, Ø5.5 mm coaxial power plug, reverse polarity protection PoE: (802.3af, Class 3, 36 V to 57 V), 0.18 A to 0.11 A, max. 6.5 W	12 VDC ± 25%, 0.5 A, max. 6 W, Ø5.5 mm coaxial power plug, reverse polarity protection PoE: (802.3af, Class 3, 36 V to 57 V), 0.19 A to 0.12 A, max. 7 W	12 VDC ± 25%, 0.54 A, max. 6.5 W, Ø5.5 mm coaxial power plug, reverse polarity protection PoE: (802.3af, Class 3, 36 V to 57 V), 0.22 A to 0.14 A, max. 8 W	12 VDC ± 25%, reverse polarity protection PoE: 802.3at, Class 4	12 VDC ± 25%, reverse polarity protection PoE: 802.3at, Class 4	12 VDC ± 25%, reverse polarity protection, PoE: 802.3at, Class 4

DS-2CD3D86G2T-IZHS(Y)	DS-2CD3T86G2-4IS	DS-2CD3T86G2-4ISY	DS-2CD3626G2-IZS	DS-2CD3626G2T-IZS	DS-2CD3656G2-IZS	DS-2CD3656G2T-IZS
Image						
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution	3840 × 2160	3840 × 2160	1920 × 1080	1920 × 1080	2592 × 1944	2592 × 1944
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR	0.002 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.002 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.002 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.4, AGC ON), 0 Lux with IR on
WDR	120 dB	120 dB	120 dB	120 dB	120 dB	120 dB
Lens	2.8 mm, 4 mm, 6 mm, 12 mm	2.8 mm, 4 mm, 6 mm, 12 mm	2.7 to 13.5 mm	2.7 to 13.5 mm 7 to 35 mm	2.7 to 13.5 mm 7 to 35 mm	2.7 to 13.5 mm 7 to 35 mm
FOV	2.8 mm, horizontal FOV 111°, vertical FOV 59°, diagonal FOV 131° 4 mm, horizontal FOV 87°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 51°, vertical FOV 28°, diagonal FOV 60° 12 mm, horizontal FOV 24°, vertical FOV 14°, diagonal FOV 27°	2.8 mm, horizontal FOV 98°, vertical FOV 72°, diagonal FOV 131° 4 mm, horizontal FOV 80°, vertical FOV 58°, diagonal FOV 104° 6 mm, horizontal FOV 51°, vertical FOV 37°, diagonal FOV 66° 12 mm, horizontal FOV 24°, vertical FOV 18°, diagonal FOV 30°	2.7 to 13.5 mm: horizontal FOV 113° to 34°, vertical FOV 58° to 19°, diagonal FOV 138° to 39°	2.7 to 13.5 mm: horizontal FOV 113° to 34°, vertical FOV 58° to 19°, diagonal FOV 138° to 39° 7 to 35 mm: horizontal FOV 30° to 11°, vertical FOV 17° to 6°, diagonal FOV 34° to 12°	2.7 to 13.5 mm: horizontal FOV 113° to 34°, vertical FOV 58° to 19°, diagonal FOV 138° to 39° 7 to 35 mm: horizontal FOV 30° to 11°, vertical FOV 17° to 6°, diagonal FOV 34° to 12°	2.7 to 13.5 mm: horizontal FOV 113° to 34°, vertical FOV 58° to 19°, diagonal FOV 138° to 39° 7 to 35 mm: horizontal FOV 30° to 11°, vertical FOV 17° to 6°, diagonal FOV 34° to 12°
Max. IR Range	90 m	90 m	60 m	2.7 to 13.5 mm: up to 60 m 7 to 35 mm: up to 80 m	2.7 to 13.5 mm: up to 60 m 7 to 35 mm: up to 80 m	2.7 to 13.5 mm: up to 60 m 7 to 35 mm: up to 80 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, scene change detection, unattended baggage detection, object removal detection, audio exception detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Frame Rate	50 Hz: 25 fps (2592 × 1944, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (2592 × 1944) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)	50Hz: 50fps (1920 × 1080, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 720)	50Hz: 50fps (1920 × 1080, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2592 × 1944, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (2592 × 1944) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2592 × 1944, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (2592 × 1944) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	4	4	4	4	4	4
Protection Level	IP67	IP67	IP67,IK10	IP67,IK10	IP67,IK10	IP67,IK10
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	256 GB	256 GB	256 GB	256 GB	256 GB	256 GB
Audio I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out
Alarm I/O	2 in, 2 out	2 in, 2 out	1 in, 1 out	2 in, 2 out	1 in, 1 out	2 in, 2 out
Power Supply	12 VDC ± 25%, reverse polarity protection PoE: 802.3at, Class 4	12 VDC ± 25%, reverse polarity protection, PoE: 802.3at, Class 4	12 VDC ± 25%, reverse polarity protection PoE: 802.3at, Class 4	12 VDC ± 25%, reverse polarity protection PoE: 802.3at, Class 4	12 VDC ± 25%, reverse polarity protection PoE: 802.3at, Class 4	12 VDC ± 25%, reverse polarity protection PoE: 802.3at, Class 4

DS-2CD3D86G2T-IZHS(Y)	DS-2CD3686G2-IZS	DS-2CD3686G2T-IZS	DS-2CD3726G2-IZS	DS-2CD3726G2T-IZS	DS-2CD3756G2-IZS	DS-2CD3756G2T-IZS
Image	NEW	NEW	NEW	NEW	NEW	NEW
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution	3840 × 2160	3840 × 2160	1920 × 1080	1920 × 1080	2592 × 1944	2592 × 1944
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on	0.002 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.002 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.4, AGC ON), 0 Lux with IR on
WDR	120 dB	120 dB	120 dB	120 dB	120 dB	120 dB
Lens	2.7 to 13.5 mm, 7 to 35 mm	2.7 to 13.5 mm, 7 to 35 mm	2.7 to 13.5 mm, 7 to 35 mm	2.7 to 13.5 mm, 7 to 35 mm	2.7 to 13.5 mm, 7 to 35 mm	2.7 to 13.5 mm, 7 to 35 mm
FOV	2.7 to 13.5 mm: horizontal FOV 113° to 34°, vertical FOV 58° to 19°, diagonal FOV 138° to 39° 7 to 35 mm: horizontal FOV 30° to 11°, vertical FOV 17° to 6°, diagonal FOV 34° to 12°	2.7 to 13.5 mm: horizontal FOV 113° to 34°, vertical FOV 58° to 19°, diagonal FOV 138° to 39° 7 to 35 mm: horizontal FOV 30° to 11°, vertical FOV 17° to 6°, diagonal FOV 34° to 12°	2.7 to 13.5 mm: horizontal FOV 113° to 34°, vertical FOV 58° to 19°, diagonal FOV 138° to 39° 7 to 35 mm: horizontal FOV 30° to 11°, vertical FOV 17° to 6°, diagonal FOV 34° to 12°	2.7 to 13.5 mm: horizontal FOV 113° to 34°, vertical FOV 58° to 19°, diagonal FOV 138° to 39° 7 to 35 mm: horizontal FOV 30° to 11°, vertical FOV 17° to 6°, diagonal FOV 34° to 12°	2.7 to 13.5 mm: horizontal FOV 113° to 34°, vertical FOV 58° to 19°, diagonal FOV 138° to 39° 7 to 35 mm: horizontal FOV 30° to 11°, vertical FOV 17° to 6°, diagonal FOV 34° to 12°	2.7 to 13.5 mm: horizontal FOV 113° to 34°, vertical FOV 58° to 19°, diagonal FOV 138° to 39° 7 to 35 mm: horizontal FOV 30° to 11°, vertical FOV 17° to 6°, diagonal FOV 34° to 12°
Max. IR Range	2.7 to 13.5 mm: up to 60 m 7 to 35 mm: up to 80 m	2.7 to 13.5 mm: up to 60 m 7 to 35 mm: up to 80 m	2.7 to 13.5 mm: up to 60 m 7 to 35 mm: up to 80 m	2.7 to 13.5 mm: up to 60 m 7 to 35 mm: up to 80 m	2.7 to 13.5 mm: up to 60 m 7 to 35 mm: up to 80 m	2.7 to 13.5 mm: up to 60 m 7 to 35 mm: up to 80 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Frame Rate	50 Hz: 25 fps (2592 × 1944, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (2592 × 1944) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2592 × 1944, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (2592 × 1944) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50Hz: 50fps (1920 × 1080, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 720)	50Hz: 50fps (1920 × 1080, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2592 × 1944, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (2592 × 1944) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2592 × 1944, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (2592 × 1944) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	4	4	4	4	4	4
Protection Level	IP67,IK10	IP67,IK10	IP67,IK10	IP67,IK10	IP67,IK10	IP67,IK10
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	256 GB	256 GB	256 GB	256 GB	256 GB	256 GB
Audio I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out
Alarm I/O	1 in, 1 out	3 in, 3 out	1 in, 1 out	2 in, 2 out	1 in, 1 out	2 in, 2 out
Power Supply	12 VDC ± 25%, reverse polarity protection PoE: 802.3at, Class 4	12 VDC ± 25%, reverse polarity protection PoE: 802.3at, Class 4	12 VDC ± 25% PoE: 802.3af, class 3	12 VDC ± 25% PoE: 802.3af, class 3	12 VDC ± 25% PoE: 802.3af, class 3	12 VDC ± 25% PoE: 802.3af, class 3

DS-2CD3D86G2T-IZHS(Y)	DS-2CD3786G2-IZS	DS-2CD3786G2T-IZS	DS-2CD3H26G2-IZS	DS-2CD3H56G2-IZS	DS-2CD3H86G2-IZS	DS-2CD3026G2-IU/SL
Image			NEW		NEW	
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Max. Resolution	3840 × 2160	3840 × 2160	1920 × 1080	2592 × 1944	3840 × 2160	1920 × 1080
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on	0.002 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR	0.003 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR	0.003 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR	0.002 Lux @ (F1.4, AGC ON), 0 Lux with IR on
WDR	120 dB	120 dB	120 dB	120 dB	120 dB	120 dB
Lens	2.7 to 13.5 mm, 7 to 35 mm	2.7 to 13.5 mm 7 to 35 mm	2.7 to 13.5 mm	2.7 to 13.5 mm	2.7 to 13.5 mm	2.8 mm, 4 mm, 6 mm
FOV	2.7 to 13.5 mm: horizontal FOV 113° to 34°, vertical FOV 58° to 19°, diagonal FOV 138° to 39° 7 to 35 mm: horizontal FOV 30° to 11°, vertical FOV 17° to 6°, diagonal FOV 34° to 12°	2.7 to 13.5 mm: horizontal FOV 113° to 34°, vertical FOV 58° to 19°, diagonal FOV 138° to 39° 7 to 35 mm: horizontal FOV 30° to 11°, vertical FOV 17° to 6°, diagonal FOV 34° to 12°	2.7 to 13.5 mm, horizontal FOV 113° to 33.9°, vertical FOV 58° to 18.9°, diagonal FOV 138° to 39°	2.7 to 13.5 mm, horizontal FOV 103° to 32°, vertical FOV 73° to 24°, diagonal FOV 142° to 40°	2.7 to 13.5 mm, horizontal FOV 108° to 46°, vertical FOV 58° to 26°, diagonal FOV 127° to 52°	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65°
Max. IR Range	2.7 to 13.5 mm: up to 60 m 7 to 35 mm: up to 80 m	2.7 to 13.5 mm: up to 60 m 7 to 35 mm: up to 80 m	40 m	40 m	40 m	40 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Frame Rate	50 Hz: 25 fps (2592 × 1944, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (2592 × 1944) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2592 × 1944, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (2592 × 1944) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: up to 50 fps (1920 × 1080, 1280 × 720 60 Hz: up to 60 fps (1920 × 1080, 1280 × 720) *High frame rate is supported under certain settings.	50 Hz: 25 fps (2592 × 1944, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (2592 × 1944) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 720)
Multi-Streaming	4	4	4	4	4	4
Protection Level	IP67,IK10	IP67,IK10	IP66 (IEC 60529-2013), IK10 (IEC 62262:2002)	IP66 (IEC 60529-2013), IK10 (IEC 62262:2002)	IP66 (IEC 60529-2013), IK10 (IEC 62262:2002)	IP67
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	256 GB	256 GB	256 GB	256 GB	256 GB	256 GB
Audio I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 built-in microphone 1 built-in speaker
Alarm I/O	1 in, 1 out	2 in, 2 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	-
Power Supply	12 VDC ± 25% PoE: 802.3af, class 3	12 VDC ± 25% PoE: 802.3af, class 3	12 VDC ± 25% PoE: 802.3af, class 3	12 VDC ± 25% PoE: 802.3af, class 3	12 VDC ± 25% PoE: 802.3af, class 3	12 VDC ± 25% PoE: 802.3af, Class 3

DS-2CD3D86G2T-IZHS(Y)	DS-2CD3056G2-IU/SL	DS-2CD3326G2-ISU/SL	DS-2CD3356G2-ISU/SL	DS-2CD3T26G2-ISU/SL	DS-2CD3T56G2-ISU/SL	DS-2CD3843G0-AP
Image						
Image Sensor	1/2.7" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Max. Resolution	2592 × 1944	1920 × 1080	2592 × 1944	1920 × 1080	2592 × 1944	2560 × 1440
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.003 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.002 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.002 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.005 Lux @ (F1.6, AGC ON)
WDR	120 dB	120 dB	120 dB	120 dB	120 dB	120 dB
Lens	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	Without lens
FOV	2.8 mm, horizontal FOV 98°, vertical FOV 72°, diagonal FOV 131° 4 mm, horizontal FOV 80°, vertical FOV 58°, diagonal FOV 104° 6 mm, horizontal FOV 51°, vertical FOV 37°, diagonal FOV 66°	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65°	2.8 mm, horizontal FOV 98°, vertical FOV 72°, diagonal FOV 131° 4 mm, horizontal FOV 80°, vertical FOV 58°, diagonal FOV 104° 6 mm, horizontal FOV 51°, vertical FOV 37°, diagonal FOV 66°	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65°	2.8 mm, horizontal FOV 98°, vertical FOV 72°, diagonal FOV 131° 4 mm, horizontal FOV 80°, vertical FOV 58°, diagonal FOV 104° 6 mm, horizontal FOV 51°, vertical FOV 37°, diagonal FOV 66°	-
Max. IR Range	40 m	40 m	40 m	60 m	60 m	-
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Frame Rate	50 Hz: 25 fps (2592 × 1944, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (2592 × 1944) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2592 × 1944, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (2592 × 1944) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2592 × 1944, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (2592 × 1944) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (2560 × 1440) 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1440) 30 fps (1920 × 1080, 1280 × 720)
Multi-Streaming	4	4	4	4	4	3
Protection Level	IP67	IP67	IP67	IP67	IP67	-
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	-
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	256 GB	256 GB	256 GB	256 GB	256 GB	256 GB
Audio I/O	1 built-in microphone 1 built-in speaker	1 in, 1 out, Built-in microphone Built-in speaker	1 in, 1 out, Built-in microphone Built-in speaker	1 in, 1 out, Built-in microphone Built-in speaker	1 in, 1 out, Built-in microphone Built-in speaker	1 in, 1 out,Built-in microphone Built-in speaker
Alarm I/O	-	1 in, 1 out	1 in, 1 out	2 in, 2 out	2 in, 2 out	1 in, 1 out
Power Supply	12 VDC ± 25% PoE: 802.3af, Class 3	12 VDC ± 25% PoE: 802.3af, Class 3	12 VDC ± 25% PoE: 802.3af, Class 3	12 VDC ± 25%, reverse polarity protection PoE: 802.3at, Class 4	12 VDC ± 25%, reverse polarity protection PoE: 802.3at, Class 4	12 VDC ± 25%, 0.58 A, max. 7 W, two-core terminal block, reverse polarity protection; 24 VAC ± 20%, 0.49 A, max. 7 W, two-core terminal block PoE: 802.3af, 36 V to 57 V, 0.22 A to 0.14 A, max. 8 W

Model	DS-2CD3023G2-IU	DS-2CD3043G2-IU	DS-2CD3063G2-IU	DS-2CD3123G2-I(S)U	DS-2CD3143G2-I(S)U	DS-2CD3163G2-I(U)
Image						
Image Sensor	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080	2688 × 1520	3200 × 1800	1920 × 1080	2688 × 1520	3200 × 1080
Video Compression	H.265/H.264/H.264+/H.265+/MJPEG	H.265/H.264/H.264+/H.265+/MJPEG	H.265/H.264/H.264+/H.265+/MJPEG	H.265/H.264/H.264+/H.265+/MJPEG	H.265/H.264/H.264+/H.265+/MJPEG	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.005 Lux @ (F1.6, AGC ON)	0.005 Lux @ (F1.6, AGC ON)	0.005 Lux @ (F1.6, AGC ON)	0.005 Lux @ (F1.6, AGC ON)	0.005 Lux @ (F1.6, AGC ON)	Color: 0.005 lux @(F1.6, AGC ON), B/W:0 lux with IR
WDR	120 dB	120 dB	120 dB	120 dB	120 dB	120 dB
Lens	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm
FOV	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 127° 4 mm, horizontal FOV 87°, vertical FOV 46°, diagonal FOV 104° 6 mm, horizontal FOV 54°, vertical FOV 29°, diagonal FOV 63°	2.8 mm, horizontal FOV 103°, vertical FOV 55°, diagonal FOV 122° 4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 100° 6 mm, horizontal FOV 52°, vertical FOV 28°, diagonal FOV 61°	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 128° 4 mm, horizontal FOV 87°, vertical FOV 46°, diagonal FOV 105° 6 mm, horizontal FOV 54°, vertical FOV 29°, diagonal FOV 63°	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 127° 4 mm, horizontal FOV 87°, vertical FOV 46°, diagonal FOV 104° 6 mm, horizontal FOV 54°, vertical FOV 29°, diagonal FOV 63°	2.8 mm, horizontal FOV 103°, vertical FOV 55°, diagonal FOV 122° 4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 100° 6 mm, horizontal FOV 52°, vertical FOV 28°, diagonal FOV 61°	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 128° 4 mm, horizontal FOV 87°, vertical FOV 46°, diagonal FOV 105° 6 mm, horizontal FOV 54°, vertical FOV 29°, diagonal FOV 63°
Max. IR Range	40 m	40 m	40 m	40 m	40 m	40 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	3	3	3	3	3	3
Protection Level	IP67	IP67	IP67	IP67,IK10	IP67,IK10	IP67
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	256 GB	256 GB	256 GB	256 GB	256 GB	256 GB
Audio I/O	-	-	-	With -S model: 1 in, 1 out	With -S model: 1 in, 1 out	1 Built-in Microphone -S: 1 in, 1 out
Alarm I/O	-	-	-	With -S model: 1 in, 1 out	With -S model: 1 in, 1 out	S: 1 in, 1 out
Power Supply	12 VDC ± 25%, 6W PoE(802.3af, class 3), 7 W	12 VDC ± 25%, 6W PoE(802.3af, class 3), 7 W	12 VDC ± 25%, 6W PoE(802.3af, class 3), 7.2 W	12 VDC ± 25%, 5W PoE(802.3af, class 3), 6.5 W	Without -S model: 12 VDC ± 25%, 5W PoE(802.3af, class 3), 6.5 W With -S model: 12 VDC ± 25%, 5.5W PoE(802.3af, class 3), 6.5 W	12 VDC ± 25%, 6W PoE (802.3af, 36V to 57V), 7.5W

Model	DS-2CD3323G2-IU	DS-2CD3343G2-IU	DS-2CD3363G2-IU	DS-2CD3523G2-IS	DS-2CD3543G2-IS	DS-2CD3563G2-IS
Image						
Image Sensor	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Max. Resolution	1920× 1080	2688 × 1520	3200 × 1080	1920× 1080	2688 × 1520	3200 × 1800
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265/H.264/H.264+/H.265+/MJPEG	H.265/H.264/H.264+/H.265+/MJPEG
Min. Illumination	Color: 0.005 lux @(F1.6, AGC ON), B/W:0 lux with IR	Color: 0.005 lux @(F1.6, AGC ON), B/W:0 lux with IR	Color: 0.005 lux @(F1.6, AGC ON), B/W:0 lux with IR	Color: 0.005 lux @(F1.6, AGC ON), B/W:0 lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
WDR	120 dB	120 dB	120 dB	120 dB	120 dB	120 dB
Lens	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm	2.8 mm, 4 mm	2.8 mm, 4 mm
FOV	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 127° 4 mm, horizontal FOV 87°, vertical FOV 46°, diagonal FOV 104° 6 mm, horizontal FOV 54°, vertical FOV 29°, diagonal FOV 63°	2.8 mm, horizontal FOV 103°, vertical FOV 55°, diagonal FOV 122° 4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 100° 6 mm, horizontal FOV 52°, vertical FOV 28°, diagonal FOV 61°	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 128° 4 mm, horizontal FOV 87°, vertical FOV 46°, diagonal FOV 105° 6 mm, horizontal FOV 54°, vertical FOV 29°, diagonal FOV 63°	2.8 mm, horizontal FOV 108.8°, vertical FOV 57.7°, diagonal FOV 129.4° 4 mm, horizontal FOV 87.6°, vertical FOV 44.4°, diagonal FOV 104.9°	2.8 mm, horizontal FOV 104.3°, vertical FOV 55.9°, diagonal FOV 123.8° 4 mm, horizontal FOV 83.7°, vertical FOV 43.0°, diagonal FOV 100.3°	2.8 mm, horizontal FOV 108.8°, vertical FOV 57.7°, diagonal FOV 129.4° 4 mm, horizontal FOV 87.6°, vertical FOV 44.4°, diagonal FOV 104.9°
Max. IR Range	40 m	40 m	40 m	30 m	30 m	30 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	3	3	3	3	3	3
Protection Level	IP67	IP67	IP67	IP67	IP67, IK10	IP67, IK10
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: -30° to 30°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: -30° to 30°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: -30° to 30°, tilt: 0° to 75°, rotate: 0° to 360°
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	256 GB	256 GB	256 GB	256 GB	256 GB	256 GB
Audio I/O	1 Built-in microphone	1 Built-in microphone	1 Built-in microphone	1 Built-in Microphone -IS: 1 in, 1 out	1 in, 1 out	1 in, 1 out
Alarm I/O	—	—	—	IS: 1 in, 1 out	1 in, 1 out	1 in, 1 out
Power Supply	12 VDC ± 25%, 5.5W PoE (802.3af, 36V to 57V), 6.5W	12 VDC ± 25%, 6W PoE (802.3af, 36V to 57V), 7W	12 VDC ± 25%, 6W PoE (802.3af, 36V to 57V), 7.5W	12 VDC ± 25%, 5.5W PoE (802.3af, 36V to 57V), 6.5W	12 VDC ± 25%, 0.45 A, max. 5.5 W, Ø5.5 mm coaxial power plug, reverse polarity protection PoE: (802.3af, Class 3, 36 V to 57 V), 0.18 A to 0.11 A, max. 6.5 W	12 VDC ± 25%, 0.5 A, max. 6 W, Ø5.5 mm coaxial power plug, reverse polarity protection PoE: (802.3af, Class 3, 36 V to 57 V), 0.19 A to 0.12 A, max. 7 W

Model	DS-2CD3T23G2-2IS/4IS	DS-2CD3T43G2-2IS/4IS	DS-2CD3T63G2-2IS/4IS	DS-2CD3623G2-IZS	DS-2CD3643G2-IZS	DS-2CD3663G2-IZS
Image						
Image Sensor	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080	2688 × 1520	3200 × 1800	1920 × 1080	2688 × 1520	3200 × 1800
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
WDR	120 dB	120 dB	120 dB	120 dB	120 dB	120 dB
Lens	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.8 mm, 4 mm, 6 mm	2.7 to 13.5 mm	2.7 to 13.5 mm	2.7 to 13.5 mm
FOV	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 127° 4 mm, horizontal FOV 87°, vertical FOV 46°, diagonal FOV 104° 6 mm, horizontal FOV 54°, vertical FOV 29°, diagonal FOV 63°	2.8 mm, horizontal FOV 103°, vertical FOV 55°, diagonal FOV 122° 4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 100° 6 mm, horizontal FOV 52°, vertical FOV 28°, diagonal FOV 61°	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 128° 4 mm, horizontal FOV 87°, vertical FOV 46°, diagonal FOV 105° 6 mm, horizontal FOV 54°, vertical FOV 29°, diagonal FOV 63°	horizontal FOV 107° to 32°, vertical FOV 56° to 18°, diagonal FOV 128° to 37°	horizontal FOV 102° to 31°, vertical FOV 55° to 18°, diagonal FOV 122° to 36°	2.7 to 13.5 mm, horizontal FOV 107° to 32°, vertical FOV 56° to 18°, diagonal FOV 128° to 37°
Max. IR Range	2I: up to 60 m 4I: up to 90 m	2I: up to 60 m 4I: up to 90 m	2I: up to 60 m 4I: up to 90 m	60 m	60 m	60 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	3	3	3	3	3	3
Protection Level	IP67	IP67	IP67	IP67, IK10	IP67, IK10	IP67, IK10
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	With -SF 256GB	With -SF 256GB	With -SF 256GB	With -SF 256GB	With -SF 256GB	With -SF 256GB
Audio I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out
Alarm I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out
Power Supply	12 VDC ± 25%,1.08 A, max. 13 W, Ø5.5 mm coaxial power plug PoE: (802.3at, Class 4, 42.5 V to 57 V), 0.36 A to 0.27 A, max. 15 W	12 VDC ± 25%,1.08 A, max. 13 W, Ø5.5 mm coaxial power plug PoE: (802.3at, Class 4, 42.5 V to 57 V), 0.36 A to 0.27 A, max. 15 W	12 VDC ± 25%,1.08 A, max. 13 W, Ø5.5 mm coaxial power plug PoE: (802.3at, Class 4, 42.5 V to 57 V), 0.36 A to 0.27 A, max. 15 W	12 VDC ± 25%,1.08 A, max. 13 W, Ø5.5 mm coaxial power plug PoE: (802.3at, Class 4, 42.5 V to 57 V), 0.36 A to 0.27 A, max. 15 W	12 VDC ± 25%,1.08 A, max. 13 W, Ø5.5 mm coaxial power plug PoE: (802.3at, Class 4, 42.5 V to 57 V), 0.36 A to 0.27 A, max. 15 W	12 VDC ± 25%,1.08 A, max. 13 W, Ø5.5 mm coaxial power plug PoE: (802.3at, Class 4, 42.5 V to 57 V), 0.36 A to 0.27 A, max. 15 W

Model	DS-2CD3723G2-IZS	DS-2CD3743G2-IZS	DS-2CD3763G2-IZS	DS-2CD3021G0-I(UF)	DS-2CD3051G0-I(UF)
Image					
Image Sensor	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution	1920 × 1080	2688 × 1520	3200×1800	1920 × 1080	2560 × 1920
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON 0 Lux with IR
WDR	120 dB	120 Db	120 dB	120 dB	120 dB
Lens	2.7 to 13.5 mm	2.7 to 13.5 mm	2.7 to 13.5 mm	2.8, 4 or 6 mm	2.8, 4 or 6 mm
FOV	horizontal FOV 107° to 32°, vertical FOV 56° to 18°, diagonal FOV 128° to 37°	horizontal FOV 102° to 31°, vertical FOV 55° to 18°, diagonal FOV 122° to 36°	2.7 to 13.5 mm, horizontal FOV 107° to 32°, vertical FOV 55° to 18°, diagonal FOV 128° to 37°	2.8 mm, horizontal FOV 111°, vertical FOV 59°, diagonal FOV 133° 4 mm, horizontal FOV 91°, vertical FOV 46°, diagonal FOV 109° 6 mm, horizontal FOV 56°, vertical FOV 29°, diagonal FOV 65°	2.8 mm, horizontal FOV 99°, vertical FOV 72°, diagonal FOV 130° 4 mm, horizontal FOV 78°, vertical FOV 57°, diagonal FOV 100° 6 mm, horizontal FOV 49°, vertical FOV 36°, diagonal FOV 63°
Max. IR Range	40 m	40 m	40m	40 m	40 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Multi-Streaming	3	3	3	3	3
Protection Level	IP67, IK10	IP67, IK10	IP67	IP67	IP67
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	With -SF 256GB	With -SF 256GB	256GB	With -UF 256GB	With -UF 256GB
Audio I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	N/A	N/A
Alarm I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	N/A	N/A
Power Supply	12 VDC ± 25%, 0.88 A, max. 10.5 W, Ø5.5 mm coaxial power plug, reverse polarity protection PoE: (802.3af, Class 3, 36 V to 57 V), 0.35 A to 0.22 A, max. 12.5 W	12 VDC ± 25%, 0.88 A, max. 10.5 W, Ø5.5 mm coaxial power plug, reverse polarity protection PoE: (802.3af, Class 3, 36 V to 57 V), 0.35 A to 0.22 A, max. 12.5 W	12 VDC ± 25%, 0.88 A, max. 10.5 W, Ø5.5 mm coaxial power plug, reverse polarity protection PoE: (802.3af, Class 3, 36 V to 57 V), 0.35 A to 0.22 A, max. 12.5 W	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W

Model	DS-2CD3121G0-I(SF)	DS-2CD3151G0-I(SF)	DS-2CD3321G0-IU(F)	DS-2CD3351G0-IU(F)	DS-2CD3621G0-IZS
Image					
Image Sensor	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution	1920 × 1080	2560 × 1920	1920 × 1080	2560 × 1920	1920 × 1080
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON 0 Lux with IR	0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
WDR	120 dB	120 dB	120 dB	120 dB	120 dB
Lens	2.8, 4 or 6 mm	2.8, 4 or 6 mm	2.8 mm, 4 mm	2.8 mm, 4 mm	Varifocal Lens, motorized lens, 2.7 to 13.5 mm
FOV	2.8 mm, horizontal FOV 111.6°, vertical FOV 59.3°, diagonal FOV 133.9° 4 mm, horizontal FOV 91.5°, vertical FOV 46.1°, diagonal FOV 109.8° 6 mm, horizontal FOV 56°, vertical FOV 29.8°, diagonal FOV 65.3°	2.8 mm, horizontal FOV 99°, vertical FOV 72°, diagonal FOV 130° 4 mm, horizontal FOV 78°, vertical FOV 57°, diagonal FOV 100° 6 mm, horizontal FOV 49°, vertical FOV 36°, diagonal FOV 63°	2.8 mm, horizontal FOV 111.6°, vertical FOV 59.3°, diagonal FOV 133.9° 4 mm, horizontal FOV 91.5°, vertical FOV 46.1°, diagonal FOV 109.8°	2.8 mm, horizontal FOV 99°, vertical FOV 72°, diagonal FOV 130° 4 mm, horizontal FOV 78°, vertical FOV 57°, diagonal FOV 100°	2.7 to 13.5 mm: horizontal FOV 94° to 36°, vertical FOV 50° to 20°, diagonal FOV 109° to 41°
Max. IR Range	40 m	40 m	40 m	40 m	60 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)
Multi-Streaming	3	3	3	3	3
Protection Level	IP67, IK10	IP67, IK10	IP67	IP67	IP67
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	With -SF 256GB	With -SF 256GB	256 GB	256 GB	256 GB
Audio I/O	With -SF model: 1 in, 1 out	With -SF model: 1 in, 1 out	N/A	N/A	1 in, 1 out
Alarm I/O	With -SF model: 1 in, 1 out	With -SF model: 1 in, 1 out	N/A	N/A	1 in, 1 out
Power Supply	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W

Model	DS-2CD3651G0-IZS	DS-2CD3721G0-IZS	DS-2CD3751G0-IZS	DS-2CD3T21G0-IUF	DS-2CD3T51G0-IUF
Image					
Image Sensor	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution	2560 × 1920	1920 × 1080	2560 × 1920	1920 × 1080	2560 × 1920
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR	0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
WDR	120 dB	120 dB	120 dB	120 dB	120 dB
Lens	Varifocal Lens, motorized lens, 2.7 to 13.5 mm	Varifocal Lens, motorized lens, 2.7 to 13.5 mm	Varifocal Lens, motorized lens, 2.7 to 13.5 mm	2.8 mm, 4 mm, 6mm	2.8 mm, 4 mm, 6mm
FOV	2.7 to 13.5 mm: horizontal FOV 97° to 30°, vertical FOV 70° to 22°, diagonal FOV 128° to 37°	2.7 to 13.5 mm: horizontal FOV 98° to 38°, vertical FOV 52° to 21°, diagonal FOV 115° to 43°	2.7 to 13.5 mm: horizontal FOV 96° to 29°, vertical FOV 69° to 22°, diagonal FOV 131° to 37°	2.8 mm, horizontal FOV 111°, vertical FOV 59°, diagonal FOV 133° 4 mm, horizontal FOV 91°, vertical FOV 46°, diagonal FOV 109° 6 mm, horizontal FOV 56°, vertical FOV 29°, diagonal FOV 65°	2.8 mm, horizontal FOV 99°, vertical FOV 72°, diagonal FOV 130° 4 mm, horizontal FOV 78°, vertical FOV 57°, diagonal FOV 100° 6 mm, horizontal FOV 49°, vertical FOV 36°, diagonal FOV 63°
Max. IR Range	60 m	40 m	40 m	60 m	60 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Frame Rate	50 Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Multi-Streaming	3	3	3	3	3
Protection Level	IP67	IP67, IK10	IP67, IK10	IP67	IP67
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 100°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 100°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 100°, rotate: 0° to 360°
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	256 GB	256 GB	256 GB	256 GB	256 GB
Audio I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	N/A	N/A
Alarm I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	N/A	N/A
Power Supply	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W	12 VDC ± 25%, 0.8 A, max. 10 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.33 A to 0.21 A, max. 12 W	12 VDC ± 25%, 0.8 A, max. 10 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.33 A to 0.21 A, max. 12 W	12 VDC ± 25%, 0.55 A, max. 6.5 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.24 A to 0.14 A, max. 8.5 W	12 VDC ± 25%, 0.55 A, max. 6.5 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.24 A to 0.14 A, max. 8.5 W

Special Series Network Cameras

Fits Anywhere, Monitors Everything

- Covert design
- Various lens options
- Deep learning face capture or ANPR (optional)
- Dual channels on one camera
- Standalone security site with solar panels and 4G connectivity

Model	DS-2CD6425G1-10	DS-2CD6425G1-20	DS-2CD6425G1-30	DS-2CD6445G1-30	DS-2CD2D25G1-D/NF	DS-2CD2D25G1/M-D/NF
Image					Dual-lens	
Image Sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080	1920 × 1080	1920 × 1080	2560 × 1440	1920 × 1080	1920 × 1080
Video Compression	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub-stream: H.265 / H.264 / MJPEG Third stream: H.265 / H.264	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub-stream: H.265 / H.264 / MJPEG Third stream: H.265 / H.264	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub-stream: H.265 / H.264 / MJPEG Third stream: H.265 / H.264	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
Min. Illumination	Color: 0.002 Lux @ (F1.2, AGC ON)	Color: 0.002 Lux @ (F1.2, AGC ON)	Color: 0.002 Lux @ (F1.2, AGC ON)	Color: 0.005 Lux @ (F1.2, AGC ON)	Color: 0.002 Lux @ (F1.2, AGC ON)	Color: 0.002 Lux @ (F1.2, AGC ON)
WDR	120 dB	120 dB	120 dB	120 Db	120 dB	120 dB
Lens	3.7 mm	2.8 or 3.7 mm	2.8 or 4.0 mm	-	2.8 mm: F2.5 3.7 mm: F2.5	2.8 mm: F2.0 4 mm: F2.0
FOV	3.7mm:horizontal FOV 75.5°	2.8mm:horizontal FOV 93.9° 3.7mm:horizontal FOV 75.5°	2.8mm:horizontal FOV 107.8° 4.0mm:horizontal FOV 82.8°	2.8 mm: horizontal FOV: 98°, vertical FOV: 53°, diagonal FOV: 115° 4 mm: horizontal FOV: 75°, vertical FOV: 41.5°, diagonal FOV: 88°	2.8 mm: horizontal FOV: 93.9°, vertical FOV: 51.7°, diagonal FOV: 109.3° 3.7 mm: horizontal FOV: 75.5°, vertical FOV: 41.6°, diagonal FOV: 87.3°	2.8 mm: horizontal FOV: 107.8°, vertical FOV: 57.9°, diagonal FOV: 126.7° 4 mm: horizontal FOV: 82.8°, vertical FOV: 45.1°, diagonal FOV: 98°
Max. IR Range	-	-	-		-	-
VCA	Intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection Audio exception detection, defocus detection, scene change detection	Intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection Audio exception detection, defocus detection, scene change detection	Intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection Audio exception detection, defocus detection, scene change detection	Intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection Audio exception detection, defocus detection, scene change detection	Intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection Audio exception detection, defocus detection, scene change detection	Intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection Audio exception detection, defocus detection, scene change detection
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 50 fps (1920 × 1080, 1280 × 720) 60 Hz: 60 fps (1920 × 1080, 1280 × 720)	Main Stream 50 Hz: 50 fps (1920 × 1080, 1280 × 720) 60 Hz: 60 fps (1920 × 1080, 1280 × 720)
Multi-Streaming	3	3	3	3	3	3
Protection Level	-	-	-		-	-
Angle Adjustment	-	-	-		-	-
Operating Temperature	-10 °C to +40 °C (14 °F to +104 °F)	-10 °C to +40 °C (14 °F to +104 °F)	-10 °C to +40 °C (14 °F to +104 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	5%- 95%	5%- 95%	5%- 95%	5%- 95%	≤ 95%	≤ 95%
Local Storage	128 GB	128 GB	128 GB	128 GB	N/A	N/A
Audio I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in	1 in
Alarm I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	N/A	N/A
Installation	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Power Supply	12 VDC ± 20%, two-core terminal block, PoE: (802.3af, class 2)	12 VDC ± 20%, two-core terminal block, PoE: (802.3af, class 2)	12 VDC ± 20%, two-core terminal block, PoE: (802.3af, class 2)	12 VDC ± 20%, two-core terminal block, PoE: (802.3af, class 2)	12 VDC ± 20%	12 VDC ± 20%

Model	DS-2CD2D45G1/M-D/NF
Image	
Image Sensor	1/3" Progressive Scan CMOS
Max. Resolution	2560 × 1440
Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
Min. Illumination	Color: 0.005 Lux @ (F1.2, AGC ON)
WDR	120 dB
Lens	2.8 mm: F2.0 4 mm: F2.0
FOV	2.8 mm: horizontal FOV: 98°, vertical FOV: 53°, diagonal FOV: 115° 4 mm: horizontal FOV: 75°, vertical FOV: 41.5°, diagonal FOV: 88°
Max. IR Range	-
VCA	Intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection Audio exception detection, defocus detection, scene change detection
Frame Rate	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Multi-Streaming	3
Protection Level	-
Angle Adjustment	-
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	≤ 95%
Local Storage	N/A
Audio I/O	1 in
Alarm I/O	N/A
Installation	Indoor
Power Supply	12 VDC ± 20%

Underwater Camera

Model	DS-2XC6244G0-L	DS-2XC6245G0-L
Image	NEW	NEW
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	2688 × 1520	2688 × 1520
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
Min. Illumination	Color: 0.001 Lux @ (F1.0, AGC ON), B/W: 0 Lux with Light	Color: 0.001 Lux @ (F1.0, AGC ON), B/W: 0 Lux with Light
WDR	120 dB	120 dB
Lens	Varifocal lens, 3 to 9 mm	Varifocal lens, 3 to 9 mm
FOV	3 to 9 mm, horizontal FOV 87° to 45.8°, vertical FOV 46° to 25.6°, diagonal FOV 104° to 52.4°	3 to 9 mm, horizontal FOV 87° to 45.8°, vertical FOV 46° to 25.6°, diagonal FOV 104° to 52.4°
Max. White Light Range	10 m	10 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection Scene change detection, unattended baggage detection, object removal detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection Scene change detection, unattended baggage detection, object removal detection
Frame Rate	H.265/H.264 50Hz: 25fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2688 × 1520, 1920 × 1080, 1280 × 720)	H.265/H.264 50Hz: 25fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	3	3
Protection Level	IP68	IP68
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	≤ 100%	≤ 100%
Local Storage	128 GB	128 GB
Audio I/O	-	-
Alarm I/O	-	-
Installation	-	-
Power Supply	36 VDC ± 20%, 0.6 A, max. 17 W, two-core terminal block PoE (802.3.at, Class 3, 42.5 V to 57 V), 0.45 A to 0.3 A, 17 W	36 VDC ± 20%, 0.6 A, max. 17 W, two-core terminal block PoE (802.3.at, Class 3, 42.5 V to 57 V), 0.45 A to 0.3 A, 17 W

Solar-powered Security Camera Setup

Model	DS-2XS6A87G1-L/C32S80
Image	
Image Sensor	1/1.2" Progressive Scan CMOS
Max. Resolution	3840 × 2160
Video Compression	Main stream: H.265 Sub-stream: H.265/MJPEG *Full power mode: main stream supports H.265+
Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0 Lux with white light
WDR	120 dB
Lens	Fixed focal lens, 2.8 and 4 mm optional
FOV	2.8 mm, horizontal FOV: 101.6°, vertical FOV: 52.4°, diagonal FOV: 124° 4 mm, horizontal FOV: 88.2°, vertical FOV: 48.7°, diagonal FOV: 101.8°
Max. IR Range	30 m
VCA	Line crossing detection, up to 4 regions configurable Intrusion detection, up to 4 regions configurable Region entrance detection, up to 4 regions configurable Region exiting detection, up to 4 regions configurable Unattended baggage detection, up to 4 regions configurable Object removal detection, up to 4 regions configurable, The smart events are only supported under full power mode.
Frame Rate	50 Hz: 12.5 fps (3840 × 2160, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 15 fps (3840 × 2160, 2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	2
Protection Level	IP67
Operating Temperature	Charging: -20 °C to 45 °C (-4 °F to 131 °F) Discharging: -20 °C to 60 °C (-4 °F to 140 °F)
Operating Humidity	≤ 95%
Local Storage	vBuilt-in memory card slot, support microSD card, up to 256 GB; Built-in 64 GB eMMC storage
Audio I/O	1 in,1 out
Alarm I/O	1 in,1 out
Installation	Outdoor
Power Supply	12 VDC ± 20%, Ø5.5 mm coaxial power plug 1. Standby power consumption: 53 mW 2. The average power consumption of 24 hours: 2 W (4G transmission is excluded). 3. The max. power consumption: 3.2 W

PTZ Dome Camera

029 TandemVu PTZ Cameras

033 Ultra Series

043 Special Series

TandemVu PTZ Cameras

Big Picture and Small Details in One View

- H.265+/H.265 codec
- High-quality imaging with 4 MP resolution for both bullet and PTZ channels
- ColorVu, DarkFighter, Powered by DarkFighter technologies
- 180° image stitching (panoramic models only)
- Smart linkage
- Deep-learning-based target classification algorithm for Auto-Tracking 3.0 and perimeter protection
- False alarm reduction through human and vehicle target classification based on AcuSense technology
- Image enhancement including rapid focus, P-Iris (recise Iris for best quality or best depth of field), 120 dB WDR, and IR
- High zoom ratio & built-in gyroscope to improve EIS performance (GIS)
- Supports IK10 & IP67, wiper
- Supports Open Network Video Interface and ISAPI
- Supports Hikvision SDK and third-party management platforms

Model	DS-2SE7C124IW-AE(32x/4)(S5)	DS-2SE7C144IW-AE(32x/4)(S5)	DS-2SE7C425MW-AEB(14F1)	DS-2SE7C432MW-AEB(14F1)
Image	ColorVu powered by DarkFighter+	ColorVu powered by DarkFighter+	ColorVu powered by DarkFighter+	ColorVu powered by DarkFighter+
Image Sensor	[panoramic channel]: 1/2.8"" Progressive Scan CMOS; [PTZ channel]: 1/2.8"" progressive scan CMOS	[panoramic channel]: 1/2.8"" Progressive Scan CMOS; [PTZ channel]: 1/2.8"" progressive scan CMOS	[Bullet channel]: 1/1.8"" Progressive Scan CMOS; [PTZ channel]: 1/1.8"" progressive scan CMOS	[Bullet channel]: 1/1.8"" Progressive Scan CMOS; [PTZ channel]: 1/1.8"" progressive scan CMOS
Resolution	2560 × 1440	[Panoramic channel]: 2560 × 1440; [PTZ channel]: 2560 × 1440	[Bullet channel] 2560 × 1440, [PTZ channel] 2560 × 1440	[Bullet channel] 2560 × 1440, [PTZ channel] 2560 × 1440
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	[panoramic channel]: 4 mm; [PTZ channel]: 4.8 to 153 mm, 32 ×	[Panoramic channel]: 4 mm; [PTZ channel]: 5.9 to 188.8 mm, 32 × optical	[Bullet channel]: 4 mm; [PTZ channel]: 4.8 to 120 mm, 25 × optical	[Bullet channel]: 4 mm; [PTZ channel]: 5.9 to 188.8 mm, 32 × optical
Angle of View	[panoramic channel]: Horizontal field of view: 79°, Vertical field of view: 42.4°; [PTZ channel]: Horizontal field of view: 58.4° to 2.14° (wide-tele), Vertical field of view: 33.8° to 1.2° (wide-tele), Diagonal field of view: 65.6° to 2.46° (wide-tele)	[Panoramic channel]: Horizontal field of view: 79°, Vertical field of view: 42.4°; [PTZ channel]: Horizontal field of view: 60.2° to 2.3° (wide-tele)	[Bullet channel]: Horizontal field of view: 88.7°, Vertical field of view: 44.7°; [PTZ channel]: Horizontal field of view: 55° to 2.4° (wide-tele), Vertical field of view: 33° to 1.4° (wide-tele), Diagonal field of view: 61.5° to 2.8° (wide-tele)	[Bullet channel]: Horizontal field of view: 88.7°, Vertical field of view: 44.7°; [PTZ channel]: Horizontal field of view: 60.2° to 2.3° (wide-tele)
Min. Illumination	[PTZ channel]: Color: 0.005 Lux @ (F1.2, AGC ON), B/W: 0.001 Lux @ (F1.2, AGC ON); [panoramic channel]: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR	[PTZ channel]: Color: 0.005 Lux @ (F1.2, AGC ON), B/W: 0.001 Lux @ (F1.2, AGC ON); [panoramic channel]: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR	[Bullet channel]: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light; [PTZ channel]: Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON), 0 Lux with IR	[Bullet channel]: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light; [PTZ channel]: Color: 0.005 Lux @ (F1.5, AGC ON), B/W: 0.001 Lux @ (F1.5, AGC ON), 0 Lux with IR
WDR	120 dB	120 dB	120 dB	120 dB
Max. IR Range	150 m	150 m	300m	300m
VCA	Support detecting up to 5 faces at the same time. Support detecting, tracking, capturing, grading, selecting of face in motion, and output the best face picture of the face motion detection, alarm input, alarm output, exception intrusion detection, line crossing detection, region entrance detection, region exiting detection, audio exception detection Support alarm triggering by specified target types (human and vehicle)	Support detecting up to 5 faces at the same time. Support detecting, tracking, capturing, grading, selecting of face in motion, and output the best face picture of the face motion detection, alarm input, alarm output, exception intrusion detection, line crossing detection, region entrance detection, region exiting detection, audio exception detection Support alarm triggering by specified target types (human and vehicle)	[PTZ channel & bullet channel] audio exception detection,[PTZ channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection,[Bullet channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection ANR;Dual-VCA white light and audible warning	[PTZ channel & bullet channel] audio exception detection,[PTZ channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection,[Bullet channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection ANR;Dual-VCA white light and audible warning
Frame Rate	[panoramic channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) [PTZ channel]: 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	[Panoramic channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) [PTZ channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	[Bullet channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) [PTZ channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	[Bullet channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) [PTZ channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3	3	3
Protection Level	IP66 Standard, IK10 (excluding glass window), 6000 V Lightning Protection, Surge Protection and Voltage Transient Protection	IP66 Standard, IK10 (excluding glass window), 6000 V Lightning Protection, Surge Protection and Voltage Transient Protection	IK10 ; IP66	IK10 ; IP66
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	-15° to 90°(auto flip)	-15° to 90°(auto flip)	-15° to 90°(auto flip)	-15° to 90°(auto flip)
Pan Speed	pan speed: configurable from 0.1° to 160°/s; preset speed: 240°/s	pan speed: configurable from 0.1° to 160°/s; preset speed: 240°/s	pan speed: configurable from 0.1° to 160°/s; preset speed: 240°/s	pan speed: configurable from 0.1° to 160°/s; preset speed: 240°/s
Tilt Speed	tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s	tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s	tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s	tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s
Operating Temperature	-30°C to 65°C (-22°F to 149°F),	-30°C to 65°C (-22°F to 149°F),	-30°C to 65°C (-22°F to 149°F)	-30°C to 65°C (-22°F to 149°F)
Humidity	≤ 90%	≤ 90%	≤ 90%	≤ 90%
Local Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/ CIPS), ANR	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/ CIPS), ANR	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB
Audio I/O	1/1	1/1	1/1	1/1
Alarm I/O	2/1	2/1	2/1	2/1
Power	24 VAC, Hi-PoE	24 VAC, Hi-PoE	24 VAC, Hi-PoE	24 VAC, Hi-PoE

Model	DS-2SF8C425MXS-DLW(14F1)	DS-2SF8C425MXS-DLW(24F0)	DS-2SF8C442MXS-DLW(14F1)
Image			
Image Sensor	[Bullet channel] 1/1.8" Progressive Scan CMOS, [PTZ channel] 1/1.8" Progressive Scan CMOS	[Bullet channel] 1/1.8" Progressive Scan CMOS, [PTZ channel] 1/1.8" Progressive Scan CMOS	[Bullet channel] 1/1.8" Progressive Scan CMOS, [PTZ channel] 1/1.8" Progressive Scan CMOS
Resolution	[Bullet channel] 2560 × 1440, [PTZ channel] 2560 × 1440	[Bullet channel] 3840 × 1080, [PTZ channel] 2560 × 1440	[Bullet channel] 2560 × 1440, [PTZ channel] 2560 × 1440
Video Compression	Main stream: H.265+/H.265/H.264+/H.264	Main stream: H.265+/H.265/H.264+/H.264	Main stream: H.265+/H.265/H.264+/H.264
Lens	[Bullet channel] 4 mm, [PTZ channel] 5.9 to 147.5 mm	[Bullet channel] 2.8 mm, [PTZ channel] 5.9 to 147.5 mm	[Bullet channel] 4 mm, [PTZ channel] 6 to 252 mm
Angle of View	[Bullet channel] horizontal field of view: 89° ± 5°, vertical field of view: 45° ± 5°, diagonal field of view: 107° ± 5°, [PTZ channel] horizontal field of view: 58.5° to 3.1°, vertical field of view: 34° to 1.7°, diagonal field of view: 68.5° to 3.5°	[Bullet channel] horizontal field of view: 190° ± 5°, vertical field of view: 50° ± 5°, diagonal field of view: 198° ± 5°, [PTZ channel] horizontal field of view: 58.5° to 3.1°, vertical field of view: 34° to 1.7°, diagonal field of view: 65.8° to 3.5°	[Bullet channel] horizontal field of view: 89° ± 5°, vertical field of view: 45° ± 5°, diagonal field of view: 107° ± 5°, [PTZ channel] horizontal field of view: 59° to 2°, vertical field of view: 34.2° to 1.1°, diagonal field of view: 67.1° to 2.3°
Min. Illumination	[Bullet channel] Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with light, [PTZ channel] Color: 0.0005 Lux @ (F1.5, AGC ON), B/W: 0.0001 Lux @ (F1.5, AGC ON), 0 lux with IR	[Bullet channel] Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with light, [PTZ channel] Color: 0.0005 Lux @ (F1.5, AGC ON), B/W: 0.0001 Lux @ (F1.5, AGC ON), 0 lux with IR	[Bullet channel] Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with light, [PTZ channel] Color: 0.0005 Lux @ (F1.2, AGC ON), B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 lux with IR
WDR	[Bullet channel] 120 dB, [PTZ channel] 120 dB	[Bullet channel] No, [PTZ channel] 120 dB	[Bullet channel] 120 dB, [PTZ channel] 120 dB
Max. IR Range	300m	300m	300m
VCA	[PTZ channel & bullet channel] audio exception detection,[PTZ channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection,[Bullet channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection [PTZ channel] Supports simultaneous detection and capture of human body, face and vehicle	[PTZ channel & bullet channel] audio exception detection,[PTZ channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection	[PTZ channel & bullet channel] audio exception detection,[PTZ channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection,[Bullet channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection
Frame Rate	[Bullet channel] 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720),[PTZ channel] 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	[Bullet channel] 50 Hz: 25 fps (3840 × 1080), 60 Hz: 24 fps (3840 × 1080),[PTZ channel] 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	[Bullet channel] 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720),[PTZ channel] 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3	3
Protection Level	IK10 ; IP67	IP67	IK10 ; IP67
Pan Range	[PTZ channel] 0° to 360°	[PTZ channel] 0° to 360°	[PTZ channel] 0° to 360°
Tilt Range	[Bullet channel] 7° to 17°, [PTZ channel] -20° to 90°	[Bullet channel] 7° to 17°, [PTZ channel] -20° to 90°	[Bullet channel] 7° to 17°, [PTZ channel] -20° to 90°
Pan Speed	[PTZ channel] pan speed: configurable from 0.1° to 160°/s, preset speed: 240°/s	[PTZ channel] pan speed: configurable from 0.1° to 160°/s, preset speed: 240°/s	[PTZ channel] pan speed: configurable from 0.1° to 160°/s, preset speed: 240°/s
Tilt Speed	[Bullet channel] tilt speed configurable,[PTZ channel] tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s	[Bullet channel] tilt speed configurable,[PTZ channel] tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s	[Bullet channel] tilt speed configurable,[PTZ channel] tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s
Operating Temperature	-40 °C to 70 °C (-40 °F to 158 °F).	-40 °C to 70 °C (-40 °F to 158 °F).	-40 °C to 70 °C (-40 °F to 158 °F).
Humidity	≤ 95%	≤ 95%	≤ 95%
Local Storage	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB
Audio I/O	1/1	1/1	1/1
Alarm I/O	7/2	7/2	7/2
Power	36 VDC ± 25%, max. 70 W,including max. 6 W for heater and max. 6 W for supplement light of bullet channel, and max. 6 W for heater and max. 15 W for supplement light of PTZ channel	36 VDC ± 25%, max. 70 W,including max. 6 W for heater and max. 6 W for supplement light of bullet channel, and max. 6 W for heater and max. 15 W for supplement light of PTZ channel	36 VDC ± 25%, max. 70 W,including max. 6 W for heater and max. 6 W for supplement light of bullet channel, and max. 6 W for heater and max. 15 W for supplement light of PTZ channel

Model	DS-2SF8C442MXS-DLW(24F0)	iDS-2SK7184MXS-D(C5F2)	iDS-2SK8144IXS-D/J(40X/2812)
Image			
Image Sensor	[Bullet channel] 1/1.8" Progressive Scan CMOS, [PTZ channel] 1/1.8" Progressive Scan CMOS	[Panoramic channel]: 1/1.8" progressive scan CMOS, [PTZ channel]: 1/1.2" progressive scan CMOS	[Panoramic channel]: 1/1.8" progressive scan CMOS, [PTZ channel]: 1/1.8" progressive scan CMOS
Resolution	[Bullet channel] 3840 × 1080, [PTZ channel] 2560 × 1440	[panoramic channel] 2560 × 1440, [PTZ channel] 3840 × 2160	2560 × 1440
Video Compression	Main stream: H.265+/H.265/H.264+/H.264	Main stream: H.265+/H.265/H.264+/H.264	Main stream: H.265+/H.265/H.264+/H.264
Lens	[Bullet channel] 2.8 mm, [PTZ channel] 5.9 to 247.8 mm	[Panoramic channel] 6 mm; [PTZ channel] 10 to 50 mm	[Panoramic channel]: 2.8 to 12 mm; [PTZ channel]: 6.0 to 240 mm
Angle of View	[Bullet channel] horizontal field of view: 190° ± 5°, vertical field of view: 50° ± 5°, diagonal field of view: 198° ± 5°, [PTZ channel] horizontal field of view: 56.6° to 3.1°, vertical field of view: 34.2° to 1.1°, diagonal field of view: 67.1° to 2.3°	[Panoramic channel] horizontal field of view: 58.4°, vertical field of view: 31°, Diagonal field of view: 68.7°; [PTZ channel] horizontal field of view: 36° to 13.1°, vertical field of view: 20.3° to 7.3°, diagonal field of view: 41° to 14.85°	[Panoramic channel]: 90° to 34.5°; [PTZ channel]: 56.6° to 1.8°
Min. Illumination	[Bullet channel] Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with light, [PTZ channel] Color: 0.0005 Lux @ (F1.2, AGC ON), B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 lux with IR	[Panoramic channel]: Color: 0.0005 Lux @(F1.0, AGC ON), B/W: 0.0001 Lux @(F1.0, AGC ON); [PTZ channel] Color: 0.0005 Lux @(F1.6, AGC ON), B/W: 0.0001 Lux @(F1.6, AGC ON), 0 lux with IR	[Panoramic channel]: Color: 0.0005 Lux @ (F1.4, AGC ON), B/W: 0.0001 Lux @ (F1.4, AGC ON), 0 Lux with IR; [PTZ channel]: Color: 0.0005 Lux @ (F1.2, AGC ON), B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR
WDR	[Bullet channel] No, [PTZ channel] 120 dB	120 dB	120 dB
Max. IR Range	300m	300m	[Panoramic channel]: up to 50 m; [PTZ channel]: up to 500 m
VCA	[PTZ channel & bullet channel] audio exception detection,[PTZ channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection	face feature abstraction, human body feature abstraction, vehicle feature abstraction Support face, human body, and vehicle capture, track and grade the target, and output the best capture picture; support face and human body feature analysis, modeling and comparison intrusion detection;line crossing detection;region entrance detection;region exiting detection panorama tracking;event tracking ANR;Dual-VCA	face feature abstraction, human body feature abstraction, vehicle feature abstraction both channels support multi-target-type detection and capture of human body, face and vehicles intrusion detection;line crossing detection;region entrance detection;region exiting detection manual tracking;panorama tracking;event tracking;support patrol tracking among multiple detection scenes ANR;Dual-VCA
Frame Rate	[Bullet channel] 50 Hz: 25 fps (3840 × 1080), 60 Hz: 24 fps (3840 × 1080),[PTZ channel] 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	[panoramic channel] 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) [PTZ channel] 50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25/50 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30/60 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3	3
Protection Level	IK10 ; IP67	IP66	IP67
Pan Range	[PTZ channel] 0° to 360°	[panoramic channel] 0 to 360°, [PTZ channel] 0 to 330°	[panoramic channel] 0-90°, [PTZ channel] 0-360°
Tilt Range	[Bullet channel] 7° to 17°, [PTZ channel] -20° to 90°	[panoramic channel] 0 to 30°, [PTZ channel] -10° to 90°	[panoramic channel] -5° to 30°, [PTZ channel] -20° to 90°
Pan Speed	[PTZ channel] pan speed: configurable from 0.1° to 160°/s, preset speed: 240°/s	[panoramic channel] pan speed: configurable from 0.1° to 100°/s; [PTZ channel] pan speed: configurable from 0.1° to 210°/s	[panoramic channel] pan speed: configurable from 0.1° to 20°/s; [PTZ channel] pan speed: configurable from 0.1° to 210°/s; preset speed: 280°/s
Tilt Speed	[Bullet channel] tilt speed configurable,[PTZ channel] tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s	[panoramic channel] tilt speed: configurable from 0.1° to 25°/s; [PTZ channel] tilt speed: configurable from 0.1° to 150°/s	[panoramic channel] tilt speed: configurable from 0.1° to 20°/s; [PTZ channel] tilt speed: configurable from 0.1° to 150°/s, preset speed 150°/s
Operating Temperature	-40 °C to 70 °C (-40 °F to 158 °F).	-40 °C to 70 °C (-40 °F to 158 °F).	-40°C to 70°C
Humidity	≤ 95%	≤ 95%	-
Local Storage	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB
Audio I/O	1/1	1/1	1/1
Alarm I/O	7/2	2/1	7/2
Power	36 VDC ± 25%, max. 70 W,including max. 6 W for heater and max. 6 W for supplement light of bullet channel, and max. 6 W for heater and max. 15 W for supplement light of PTZ channel	DC36V&PoE	DC36V

Ultra Series PTZ Cameras

Great Innovation, Inside and Out

- H.265+/H.265 codec
- 4K ultra HD
- ColorVu, DarkFighter, DarkFighterX technology
- High resolution DarkFighter deep-learning-based target classification algorithm for Auto-Tracking 3.0 and perimeter protection
- False alarm reduction
- Face capture and ANPR
- Image enhancement including rapid focus, P-Iris, 140 dB WDR, and extended IR
- High zoom ratio & optical image stabilization (OIS)
- Supports IK10 & IP67, wiper, anti-corrosion
- Supports Open Network Video Interface and ISAPI
- Supports Hikvision SDK and third-party management platform

DF8

Model	DS-2DF8C425MHS-DELW	DS-2DF8C435MHS-DELW	DS-2DF8C835MHS-DELW	DS-2DF8225IX-AEL(W)(T5)
Image	NEW DarkFighter X	NEW DarkFighter X	NEW 4K DarkFighter X	DarkFighter
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.2" Progressive Scan CMOS	1/1.8" progressive scan CMOS
Max. Resolution	2560 × 1440	2560 × 1440	3840 × 2160	1920 × 1080
Video Compression	Main stream: H.265+/H.265/H.264+/H.264	Main stream: H.265+/H.265/H.264+/H.264	Main stream: H.265+/H.265/H.264+/H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	5.9 to 147.5 mm,25x optical	5.9 to 206.5 mm, 35 × optical	7.4 to 259 mm, 35 × optical	5.9 to 147.5 mm, 25x optical
Angle of View	Horizontal field of view: 59° to 3.05°, vertical field of view: 34.28° to 1.73°, diagonal field of view: 66.92° to 3.49°	Horizontal field of view: 60.2° to 2.24°, vertical field of view: 36° to 1.26°, diagonal field of view: 68° to 2.56°	Horizontal field of view: 61.26° to 1.77°, vertical field of view: 35.5° to 1°, diagonal field of view: 69.35° to 2.03°	Horizontal field of view: 59.8° to 3.3° (wide-tele), Vertical field of view: 33.7° to 1.9° (wide-tele), Diagonal field of view: 65° to 3.8° (wide-tele)
Min. Illumination	Color: 0.0004 Lux @ (F1.6, AGC ON),B/W: 0.0001 Lux @ (F1.6, AGC ON),0 Lux with IR	Color: 0.0004 Lux @ (F1.6, AGC ON),B/W: 0.0001 Lux @ (F1.6, AGC ON),0 Lux with IR	Color: 0.0004 Lux @ (F1.6, AGC ON),B/W: 0.0001 Lux @ (F1.6, AGC ON),0 Lux with IR	Color: 0.002 Lux @(F1.5, AGC ON)
WDR	140 dB	140 dB	140 dB	140 dB
Max. IR Range	300 m	300 m	300 m	400 m
VCA	"Face Capture,Supports detecting, tracking, capturing, grading, selecting of face in motion, and outputs the best face picture Face Comparison, Recognizes face identity via face modeling, grading and comparing to those in face library Road Traffic,Support vehicle detection (license plate number,vehicle model, and vehicle color recognition) Line crossing detection,intrusion detection,region entrance detection,region exiting detection,audio exception detection,unattended baggage detection,object removal detection"	Face Capture,Supports detecting, tracking, capturing, grading, selecting of face in motion, and outputs the best face picture Face Comparison, Recognizes face identity via face modeling, grading and comparing to those in face library Road Traffic,Support vehicle detection (license plate number,vehicle model, and vehicle color recognition) Line crossing detection,intrusion detection,region entrance detection,region exiting detection,audio exception detection,unattended baggage detection,object removal detection	Face Capture,Supports detecting, tracking, capturing, grading, selecting of face in motion, and outputs the best face picture Face Comparison, Recognizes face identity via face modeling, grading and comparing to those in face library Road Traffic,Support vehicle detection (license plate number,vehicle model, and vehicle color recognition) Line crossing detection,intrusion detection,region entrance detection,region exiting detection,audio exception detection,unattended baggage detection,object removal detection	Face Capture, Road Traffic, Auto tracking 2.0 (support tracking specified target types such as human and vehicle), Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection
Frame Rate	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 24 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3	3	3
Protection Level	IP67 (IEC 60529-2013),IK10 (IEC 62262:2002),TVS 6K V lightning protection, surge protection and voltage transient protection"	IP67 (IEC 60529-2013),IK10 (IEC 62262:2002),TVS 6K V lightning protection, surge protection and voltage transient protection	IP67 (IEC 60529-2013),IK10 (IEC 62262:2002),TVS 6K V lightning protection, surge protection and voltage transient protection	Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line, IEC61000-4-5, IP67 Standard, IK10(without wiper)
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	From -20° to 90°	From -20° to 90°	From -20° to 90°	From -20° to 90°
Pan Speed	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s
Tilt Speed	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s
Operating Temperature	Temperature: -40°C to 70°C (-40°F to 158°F)	Temperature: -40°C to 70°C (-40°F to 158°F)	Temperature: -40°C to 70°C (-40°F to 158°F)	Temperature: -40°C to 70°C (-40°F to 158°F)
Humidity	≤ 95%	≤ 95%	≤ 95%	≤ 95%
Local Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB
Audio I/O	1/1	1/1	1/1	1/1
Alarm I/O	7/2	7/2	7/2	7/2
Power	" 36 VDC ± 25%, max. 62 W, Hi-PoE"	" 36 VDC ± 25%, max. 62 W, Hi-PoE"	" 36 VDC ± 25%, max. 62 W, Hi-PoE"	24 VAC (Max. 60 W) , Hi-PoE (Max. 50 W)

Model	DS-2DF8242IX-AEL(W)(T5)	DS-2DF8425IX-AEL(W)(T5)	DS-2DF8442IXS-AEL(W)(T5)	DS-2DF8242I5X-AELW(T5)
Image		HOT	HOT	
Image Sensor	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Max. Resolution	1920 × 1080	2560 × 1440	2560 × 1440	1920 × 1080
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	6.0 to 252 mm, 42x optical	5.9 to 147.5 mm, 25x optical	6.0 to 252 mm, 42x optical	6.0 to 252 mm, 42x optical
Angle of View	Horizontal field of view: 56.6° to 1.7° (wide-tele), Vertical field of view: 33.7° to 0.9° (wide-tele), Diagonal field of view: 63.4° to 1.9° (wide-tele)	Horizontal field of view: 59.8° to 3.3° (wide-tele), Vertical field of view: 33.7° to 1.9° (wide-tele), Diagonal field of view: 65° to 3.8° (wide-tele)	Horizontal field of view: 56.6° to 1.7° (wide-tele), Vertical field of view: 33.7° to 0.9° (wide-tele), Diagonal field of view: 63.4° to 1.9° (wide-tele)	Horizontal field of view: 56.6° to 1.7° (wide-tele), Vertical field of view: 33.7° to 0.9° (wide-tele), Diagonal field of view: 63.4° to 1.9° (wide-tele)
Min. Illumination	Color: 0.001 Lux @(F1.2, AGC ON)	Color: 0.002 Lux @(F1.5, AGC ON)	Color: 0.001 Lux @(F1.2, AGC ON)	Color: 0.001 Lux @(F1.2, AGC ON)
WDR	140 dB	140 dB	140 dB	140 dB
Max. IR Range	400 m	400 m	400 m	500 m
VCA	Face Capture, Road Traffic, Auto tracking 2.0 (support tracking specified target types such as human and vehicle), Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection	Face Capture, Road Traffic, Auto tracking 2.0 (support tracking specified target types such as human and vehicle), Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection	Multi-target-type Detection (support face and human body capture, and output linked information), Face capture, Road Traffic, People Arming, Vehicle Arming, Auto tracking 3.0 (support tracking specified target types such as human and vehicle Note:ATK 3.0 will support in Q4), Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection	Face Capture, Road Traffic, Auto tracking 2.0 (support tracking specified target types such as human and vehicle), Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection
Frame Rate	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (2560 × 1440, 1920×1080, 1280 × 960, 1280×720) 60Hz: 30fps (2560 × 1440, 1920×1080, 1280 × 960, 1280×720)	50Hz: 25 fps(2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30 fps(2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3	3	3
Protection Level	IP67 (IEC 60529-2013), IK10 (IEC 62262:2002), Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line	IP67 (IEC 60529-2013), IK10 (IEC 62262:2002), Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line	IP67 (IEC 60529-2013), IK10 (IEC 62262:2002), Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line	IP67 (IEC 60529-2013), IK10 (IEC 62262:2002), Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	From -20° to 90°	From -20° to 90°	From -20° to 90°	From -20° to 90°
Pan Speed	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s
Tilt Speed	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s
Operating Temperature	Temperature: -40°C to 70°C (-40°F to 158°F)	Temperature: -40°C to 70°C (-40°F to 158°F)	Temperature: -40°C to 70°C (-40°F to 158°F)	Temperature: -40°C to 70°C (-40°F to 158°F)
Humidity	≤ 95%	≤ 95%	≤ 95%	≤ 95%
Local Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB
Audio I/O	1/1	1/1	1/1	1/1
Alarm I/O	7/2	7/2	7/2	7/2
Power	24 VAC (Max. 60 W) , Hi-PoE (Max. 50 W)	24 VAC (Max. 60 W) , Hi-PoE (Max. 50 W)	24 VAC (Max. 60 W) , Hi-PoE (Max. 50 W)	24 VAC (Max. 60 W) , Hi-PoE (Max. 50 W)

Model	DS-2DF8A442IXS-AEL(T5)	DS-2DF8C260I5XS-AELW(T5)	DS-2DF8C448I5XS-AELW(T5)	DS-2DF8C848I5XS-AELW(T5)
Image	HOT DarkFighter	DarkFighter	DarkFighter	4K DarkFighter
Image Sensor	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Max. Resolution	2560 × 1440	1920 × 1080	2560 × 1440	3840 × 2160
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	6.0 to 252 mm, 42x optical	6.0 to 360 mm, 60 × Optical	6.0 to 288 mm, 48 × Optical	6.0 to 288 mm, 48 × Optical
Angle of View	Horizontal field of view: 56.6° to 1.7° (wide-tele), Vertical field of view: 33.7° to 0.9° (wide-tele), Diagonal field of view: 63.4° to 1.9° (wide-tele)	Horizontal field of view: 60.0° to 2.0° (wide-tele), Vertical field of view: 35.8° to 1.2° (wide-tele), Diagonal field of view: 67.0° to 2.4° (wide-tele)	Horizontal field of view: 60.0° to 2.0° (wide-tele), Vertical field of view: 35.8° to 1.2° (wide-tele), Diagonal field of view: 67.0° to 2.4° (wide-tele)	Horizontal field of view: 60.0° to 2.0° (wide-tele), Vertical field of view: 35.8° to 1.2° (wide-tele), Diagonal field of view: 67.0° to 2.4° (wide-tele)
Min. Illumination	Color: 0.001 Lux @(F1.2, AGC ON)	Color: 0.002 Lux @ (F1.5, AGC ON), B/W: 0.0002 Lux @ (F1.5, AGC ON)	Color: 0.002 Lux @ (F1.5, AGC ON), B/W: 0.0002 Lux @ (F1.5, AGC ON)	Color: 0.002 Lux @ (F1.5, AGC ON), B/W: 0.0002 Lux @ (F1.5, AGC ON)
WDR	140 dB	140 dB	140 dB	140 dB
Max. IR Range	500 m	500 m	500 m	500 m
VCA	Face capture, Face comparison, Road Traffic, People Arming, Vehicle Arming, Multi-target-type Detection (support face and human body capture, and output linked information),Auto tracking 3.0 (support tracking specified target types such as human and vehicle) Note:Red parts will support in Q4, Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection	Face capture, Face comparison, Road Traffic, People Arming, Vehicle Arming, Multi-target-type Detection (support face and human body capture, and output linked information),Auto tracking 3.0 (support tracking specified target types such as human and vehicle) Note:Red parts will support in Q4, Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection	Face capture, Face comparison, Road Traffic, People Arming, Vehicle Arming, Multi-target-type Detection (support face and human body capture, and output linked information),Auto tracking 3.0 (support tracking specified target types such as human and vehicle) Note:Red parts will support in Q4, Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection	Face capture, Face comparison, Road Traffic, People Arming, Vehicle Arming, Multi-target-type Detection (support face and human body capture, and output linked information),Auto tracking 3.0 (support tracking specified target types such as human and vehicle) Note:Red parts will support in Q4, Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection
Frame Rate	50Hz: 25fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60Hz: 30fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720);	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 24 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 24 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3	3	3
Protection Level	Lightning Protection, Surge Protection and Voltage Transient Protection, ±6 kV Line to Gnd, ±3kV Line to Line, IK10 (IEC 62262:2002), IP67 (IEC 60529-2013)	IP67 (IEC 60529-2013), 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP67 (IEC 60529-2013), 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP67 (IEC 60529-2013), 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	From -20° to 90°	From -20° to 90°	From -20° to 90°	From -20° to 90°
Pan Speed	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s
Tilt Speed	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s
Operating Temperature	Temperature: -40°C to 70°C (-40°F to 158°F)	Outdoor: -40°C to 70°C (-40°F to 158°F)	Outdoor: -40°C to 70°C (-40°F to 158°F)	Outdoor: -40°C to 70°C (-40°F to 158°F)
Humidity	≤ 95%	≤ 95%	≤ 95%	≤ 95%
Local Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB	support microSD/microSDHC/microSDXC cards, up to 256 GB	support microSD/microSDHC/microSDXC cards, up to 256 GB	support microSD/microSDHC/microSDXC cards, up to 256 GB
Audio I/O	1/1	1/1	1/1	1/1
Alarm I/O	7/2	7/2	7/2	7/2
Power	24 VAC (Max. 60 W) , Hi-PoE (Max. 50 W)	24 VAC (Max. 62 W, including max. 12 W for IR and max. 8 W for heater), PoE 802.3 bt (Max. 51 W, including max. 12 W for IR and max. 8 W for heater)	24 VAC (Max. 62 W, including max. 12 W for IR and max. 8 W for heater), PoE 802.3 bt (Max. 51 W, including max. 12 W for IR and max. 8 W for heater)	24 VAC (Max. 62 W, including max. 12 W for IR and max. 8 W for heater), PoE 802.3 bt (Max. 51 W, including max. 12 W for IR and max. 8 W for heater)

Model	DS-2DF8C442IXS-AEL(T5)	DS-2DF8C842IXS-AEL(T5)	DS-2DF8C825IXS-AEL(T5)	DS-2DF8A842IXS-AEL(T5)
Image	HOT DarkFighter+	4K DarkFighter+	4K DarkFighter+	4K DarkFighter+
Image Sensor	1/1.8" progressive scan CMOS	1/1.2" progressive scan CMOS	1/1.2" progressive scan CMOS	1/1.8" progressive scan CMOS
Max. Resolution	2560 × 1440	3840 × 2160	3840 × 2160	3840 × 2160
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	6.0mm to 252mm, 42 × Optical	7.5 mm to 315 mm, 42 × Optical	7.5 mm to 187.5 mm, 25 × Optical	6 mm to 252 mm, 42 × Optical
Angle of View	Horizontal field of view: 56.6° to 1.7° (wide-tele), Vertical field of view: 33.7° to 0.9° (wide-tele), Diagonal field of view: 63.4° to 1.9° (wide-tele)	Horizontal field of view: 60.4° to 1.7° (wide-tele), Vertical field of view: 36.2° to 0.9° (wide-tele), Diagonal field of view: 67.8° to 2.2° (wide-tele)	Horizontal field of view: 60.4° to 3.7° (wide-tele), Vertical field of view: 36.2° to 2.1° (wide-tele), Diagonal field of view: 67.8° to 4.3° (wide-tele)	Horizontal field of view: 56.6° to 1.7° (wide-tele), Vertical field of view: 33.7° to 0.9° (wide-tele), Diagonal field of view: 63.4° to 1.9° (wide-tele)
Min. Illumination	Color: 0.001 Lux @ (F1.2, AGC ON), B/W: 0.0005 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.002 Lux @(F1.6, AGC ON), B/W: 0.0002 Lux @(F1.6, AGC ON), 0 Lux with IR	Color: 0.002 Lux @(F1.6, AGC ON),B/W: 0.0002 Lux @(F1.6, AGC ON),0 Lux with IR	Color: 0.005 Lux @ (F1.2, AGC ON), B/W: 0.0005 Lux @ (F1.2, AGC ON), 0 Lux with IR
WDR	140 dB	140 dB	140 dB	140 dB
Max. IR Range	400 m	500 m	500 m	500 m
VCA	Face capture, Face comparison, Road Traffic, People Arming, Vehicle Arming, Multi-target-type Detection (support face and human body capture, and output linked information),Auto tracking 3.0 (support tracking specified target types such as human and vehicle) Note:Red parts will support in Q4, Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection	Face capture, Face comparison, Road Traffic, People Arming, Vehicle Arming, Multi-target-type Detection (support face and human body capture, and output linked information),Auto tracking 3.0 (support tracking specified target types such as human and vehicle) Note:Red parts will support in Q4, Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection	Face capture, Face comparison, Road Traffic, People Arming, Vehicle Arming, Multi-target-type Detection (support face and human body capture, and output linked information),Auto tracking 3.0 (support tracking specified target types such as human and vehicle) Note:Red parts will support in Q4, Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection	Face capture, Face comparison, Road Traffic, People Arming, Vehicle Arming, Multi-target-type Detection (support face and human body capture, and output linked information),Auto tracking 3.0 (support tracking specified target types such as human and vehicle) Note:Red parts will support in Q4, Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection
Frame Rate	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 24 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 24 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 24 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960 , 1280 × 720)
Streams	3	3	3	3
Protection Level	IP67 (IEC 60529-2013), IK10 (IEC 62262:2002), 6000V Lightning Protection, Surge Protection and Voltage Transient Protecti	IP67 (IEC 60529-2013), 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP67 (IEC 60529-2013), IK10 (IEC 62262:2002), 6000V Lightning Protection, Surge Protection and Voltage Transient Protecti	Lightning Protection, Surge Protection and Voltage Transient Protection, ±6 kV Line to Gnd, ±3kV Line to Line, IK10 (IEC 62262:2002), IP67 (IEC 60529-2013)
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	From -20° to 90°	From -20° to 90°	From -20° to 90°	From -20° to 90°
Pan Speed	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s
Tilt Speed	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s
Operating Temperature	Outdoor: -40°C to 70°C (-40°F to 158°F)	Outdoor: -40°C to 70°C (-40°F to 158°F)	Outdoor: -40°C to 70°C (-40°F to 158°F)	Outdoor: -40°C to 70°C (-40°F to 158°F)
Humidity	≤ 95%	≤ 95%	≤ 95%	≤ 95%
Local Storage	support microSD/microSDHC/microSDXC cards, up to 256 GB	support microSD/microSDHC/microSDXC cards, up to 256 GB	support microSD/microSDHC/microSDXC cards, up to 256 GB	support microSD/microSDHC/microSDXC cards, up to 256 GB
Audio I/O	1/1	1/1	1/1	1/1
Alarm I/O	7/2	7/2	7/2	7/2
Power	24 VAC (Max. 60 W, including max. 18 W for IR and max. 6 W for heater), PoE 802.3 bt (Max. 50 W, including max. 18 W for IR and max. 6 W for heater)	24 VAC (Max. 62 W, including max. 12 W for IR and max. 8 W for heater), PoE 802.3 bt (Max. 51 W, including max. 12 W for IR and max. 8 W for heater)	24 VAC (Max. 62 W, including max. 12 W for IR and max. 8 W for heater), PoE 802.3 bt (Max. 51 W, including max. 12 W for IR and max. 8 W for heater)	24 VAC (Max. 60 W, including max. 18 W for IR and max. 6 W for heater), Hi-PoE (Max. 50 W, including max. 18 W for laser and max. 6 W for heater)

DF7

Model	DS-2DF8A442IXS-AF/SP(O-STD)(T5)	DS-2DF8A442NXS-AEL(O-STD)(T5)
Image		
Image Sensor	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Max. Resolution	2560 × 1440	2560 × 1440
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	6 mm to 252 mm, 42 × Optical	6 mm to 252 mm, 42 × Optical
Angle of View	Horizontal field of view: 56.6° to 1.7° (wide-tele), Vertical field of view: 33.7° to 0.9° (wide-tele), Diagonal field of view: 63.4° to 1.9° (wide-tele)	Horizontal field of view: 56.6° to 1.7° (wide-tele), Vertical field of view: 33.7° to 0.9° (wide-tele), Diagonal field of view: 63.4° to 1.9° (wide-tele)
Min. Illumination	Color: 0.001 Lux @ (F1.2, AGC ON), B/W: 0.0005 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.001 Lux @ (F1.2, AGC ON), B/W: 0.0005 Lux @ (F1.2, AGC ON), 0 Lux with IR
WDR	140 dB	140 dB
Max. IR Range	500 m	300 m
VCA	Face Capture, Support detecting up to 30 faces at the same time. Support detecting, tracking, capturing, grading, selecting of face in motion, and output the best face picture of the face Face Comparison, Road Traffic, Perimeter Protection,Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle) Line crossing detection, region entrance detection, unattended baggage detection, object removal detection, intrusion detection, region exiting detection, vandal-proof alarm, audio exception detection	Face Capture, Support detecting up to 30 faces at the same time. Support detecting, tracking, capturing, grading, selecting of face in motion, and output the best face picture of the face Face Comparison, Road Traffic, Perimeter Protection,Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle) Line crossing detection, region entrance detection, unattended baggage detection, object removal detection, intrusion detection, region exiting detection, vandal-proof alarm, audio exception detection
Frame Rate	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)"	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3
Protection Level	IP67 Standard, Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line, IEC61000-4-5, IK10	IP67 Standard, Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line, IEC61000-4-5, IK10
Pan Range	360° endless	360° endless
Tilt Range	From -20° to 90°	From -20° to 90°
Pan Speed	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s
Tilt Speed	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s
Operating Temperature	Outdoor: -40°C to 70°C (-40°F to 158°F)	Outdoor: -40°C to 70°C (-40°F to 158°F)
Humidity	≤ 95%	≤ 95%
Local Storage	support microSD/microSDHC/microSDXC cards, up to 256 GB	support microSD/microSDHC/microSDXC cards, up to 256 GB
Audio I/O	1/1	1/1
Alarm I/O	7/2	7/2
Power	24 VAC (Max. 60 W, including max. 18 W for IR and max. 6 W for heater)	24 VAC (Max. 60 W, including max. 18 W for IR and max. 6 W for heater), Hi-PoE (Max. 50 W, including max. 18 W for IR and max. 6 W for heater)

Model	DS-2DF7C425IXR-AEL(T5)	DS-2DF7C432IXR-AEL(T5)
Image		
Image Sensor	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Resolution	2560 × 1440	2560 × 1440
Video Compression	Main stream: H.265+/H.265/H.264+/H.264	Main stream: H.265+/H.265/H.264+/H.264
Lens	5.9 to 147.5 mm, 25 × optical	6 to 192 mm, 32x optical
Angle of View	Horizontal field of view: 60.2° to 2.1° (wide-tele), Vertical field of view: 35.2° to 1.2° (wide-tele), Diagonal field of view: 67.4° to 3.3° (wide-tele)	Horizontal field of view: 60.2° to 1.6° (wide-tele), Vertical field of view: 35.2° to 0.9° (wide-tele), Diagonal field of view: 67.4° to 2.6° (wide-tele)
Min. Illumination	Color: 0.005 Lux @ (F1.5, AGC ON), B/W: 0.001 Lux @ (F1.5, AGC ON), 0 Lux with IR	Color: 0.005 Lux @ (F1.5, AGC ON), B/W: 0.001 Lux @ (F1.5, AGC ON), 0 Lux with IR
WDR	120 dB	120 dB
Max. IR Range	300m	300m
VCA	Face Capture,Detects up to 15 faces simultaneously. Supports detecting, capturing, grading, selecting of face in motion, and outputs the best face picture Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection Manual tracking, auto-tracking	Face Capture,Detects up to 15 faces simultaneously. Road Traffic,Supports detecting, capturing, grading, selecting of face in motion, and outputs the best face picture Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection Manual tracking, auto-tracking
Frame Rate	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 30 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3
Protection Level	IP66	IP66
Pan Range	360° endless	360° endless
Tilt Range	From -15° to 90°	From -15° to 90°
Pan Speed	configurable from 0.1° to 160°/s; preset speed: 240°/s	configurable from 0.1° to 160°/s; preset speed: 240°/s
Tilt Speed	configurable from 0.1° to 120°/s, preset speed 200°/s	configurable from 0.1° to 120°/s, preset speed 200°/s
Operating Temperature	Temperature: -40°C to 70°C (-40°F to 158°F)	Temperature: -40°C to 70°C (-40°F to 158°F)
Humidity	≤ 95%	≤ 95%
Local Storage	Built-in memory card slot, support Micro SD / SDHC / SDXC, up to 256 GB	Built-in memory card slot, support Micro SD / SDHC / SDXC, up to 256 GB
Audio I/O	1/1	1/1
Alarm I/O	7/2	7/2
Power	24 VAC, 3.0 A, 50/60 Hz & Hi-PoE, 42.5 to 57 VDC, 1.41 A, Max. 40 W, including max. 16 W for IR and max. 10 W for heater	" 24 VAC, 3.0 A, 50/60 Hz & Hi-PoE, 42.5 to 57 VDC, 1.41 A, Max. 40 W, including max. 16 W for IR and max. 10 W for heater"

DF6

Model	DS-2DF7C445IXR-AEL(T5)
Image	DarkFighter
Image Sensor	1/1.8" progressive scan CMOS
Resolution	2560 × 1440
Video Compression	Main stream: H.265+/H.265/H.264+/H.264
Lens	5.9 to 265.5 mm,45 × optical
Angle of View	Horizontal field of view: 60.2° to 1.7° Vertical field of view: 35.2° to 1° Diagonal field of view: 67.4° to 1.8 °
Min. Illumination	Color: 0.005 Lux @ (F1.5, AGC ON), B/W: 0.0005 Lux @ (F1.5, AGC ON), 0 Lux with IR
WDR	120 dB
Max. IR Range	300m
VCA	Face Capture,Detects up to 15 faces simultaneously. Supports detecting, Road Traffic,capturing, grading, selecting of face in motion, and outputs the best face picture Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection Manual tracking, auto-tracking
Frame Rate	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3
Protection Level	IP66
Pan Range	360° endless
Tilt Range	From -15° to 90°
Pan Speed	configurable from 0.1° to 160°/s; preset speed: 240°/s
Tilt Speed	configurable from 0.1° to 120°/s, preset speed 200°/s
Operating Temperature	Temperature: -40°C to 70°C (-40°F to 158°F)
Humidity	≤ 95%
Local Storage	Built-in memory card slot, support Micro SD / SDHC / SDXC, up to 256 GB
Audio I/O	1/1
Alarm I/O	7/2
Power	24 VAC, 3.0 A, 50/60 Hz & Hi-PoE, 42.5 to 57 VDC, 1.41 A, Max. 40 W, including max. 16 W for IR and max. 10 W for heater

Model	DS-2DF6A225X-AEL(T5)	DS-2DF6A436X-AEL(T5)	DS-2DF6A836X-AEL(T5)
Image	DarkFighter	DarkFighter	4K DarkFighter
Image Sensor	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Resolution	1920 × 1080	2560 × 1440	3840 × 2160
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	5.9 to 147.5 mm, 25x optical zoom	6.0 to 216 mm, 36x optical zoom	6.0 mm to 216 mm, 36× Optical
Angle of View	Horizontal field of view: 59.8° to 3.3° (wide-tele), Vertical field of view: 33.7° to 1.9° (wide-tele), Diagonal field of view: 65° to 3.8° (wide-tele)	Horizontal field of view: 56.6° to 2.0° (wide-tele), Vertical field of view: 33.7° to 1.2° (wide-tele), Diagonal field of view: 63.4° to 2.3° (wide-tele)	Horizontal field of view: 56.6° to 1.7° (wide-tele), Vertical field of view: 33.7° to 0.9° (wide-tele), Diagonal field of view: 63.4° to 1.9° (wide-tele)
Min. Illumination	Color: 0.001 Lux @ (F1.2, AGC ON)	Color: 0.002 lux @ (F1.2, AGC ON)	Color: 0.005 lux @ (F1.5, AGC ON)
WDR	140 dB	140 dB	140 dB
Max. IR Range	-	-	-
VCA	Face Capture, Road Traffic, Auto tracking 2.0 (support tracking specified target types such as human and vehicle), Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection	Face Capture, Road Traffic, Auto tracking 2.0 (support tracking specified target types such as human and vehicle), Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection	Face Capture, Auto tracking 2.0 (support tracking specified target types such as human and vehicle), Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection
Frame Rate	50Hz: 50fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (2560 × 1440, 1920×1080, 1280 × 960, 1280×720) 60Hz: 30fps (2560 × 1440, 1920×1080, 1280 × 960, 1280×720)	50 Hz: 25 fps (3840 × 2160, 2560×1440, 1920×1080, 1280×960, 1280×720) 60 Hz: 24 fps (3840 × 2160, 2560×1440, 1920×1080, 1280×960, 1280×720)
Streams	3	3	3
Protection Level	Lightning Protection, Surge Protection and Voltage Transient Protection, ±6 kV Line to Gnd, ± 3kV Line to Line, IEC61000-4-5, IP67 Standard, IK10	Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line, IEC61000-4-5, IP67 Standard, IK10	IP67 Standard, IK10, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Pan Range	360° endless	360° endless	360° endless
Tilt Range	From -20° to 90° (auto flip)	From -20° to 90° (auto flip)	From -20° to 90° (auto flip)
Pan Speed	Configurable, from 0.1°/s to 300°/s, preset speed: 540°/s	Configurable, from 0.1°/s to 300°/s, preset speed: 540°/s	Configurable, from 0.1°/s to 350°/s, preset speed: 540°/s
Tilt Speed	Configurable, from 0.1°/s to 240°/s, Preset Speed: 400°/s	Configurable, from 0.1°/s to 240°/s, Preset Speed: 400°/s	Configurable, from 0.1°/s to 240°/s, Preset Speed: 400°/s
Operating Temperature	Temperature: -40°C to 70°C (-40°F to 158°F)	Temperature: -40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)
Humidity	≤ 90%	≤ 90%	≤ 95%
Local Storage	Built-in memory card slot, support Micro SD/SDHC/ SDXC, up to 256 GB; NAS (NPS, SMB/ CIPS), ANR	Built-in memory card slot, support Micro SD/SDHC/ SDXC, up to 256 GB; NAS (NFS, SMB/ CIFS), ANR	Built-in memory card slot, support Micro SD/SDHC/ SDXC, up to 256 GB; NAS (NFS, SMB/CIFS), ANR
Audio I/O	1/1	1/1	1/1
Alarm I/O	7/2	7/2	7/2
Power	24 VAC (Max. 45 W) , Hi-PoE (Max. 50 W)	24 VAC (Max. 60 W) , Hi-PoE (Max. 50 W)	24 VAC (Max. 45 W) , Hi-PoE (Max. 50 W)

DF5

Model	DS-2DF5232X-AEL(3)(T5)
Image	
Image Sensor	1/2.8" progressive scan CMOS
Resolution	1920 × 1080
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	4.8 to 153 mm, 32x optical
Angle of View	Horizontal field of view: 58.4° to 2.14° (wide-tele) Vertical field of view: 33.8° to 1.2° (wide-tele) Diagonal field of view: 65.6° to 2.46° (wide-tele)
Min. Illumination	Color: 0.002 lux @ (F1.2, AGC ON)
WDR	120 dB
Max. IR Range	-
VCA	Face Capture, Road Traffic, Auto tracking 2.0 (support tracking specified target types such as human and vehicle), Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection
Frame Rate	50Hz: 50fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3
Protection Level	IP66 Standard (Outdoor), IK10
Pan Range	360° endless
Tilt Range	From -15° to 90° (Auto flip)
Pan Speed	Configurable, from 0.1°/s to 300°/s, Preset Speed: 540°/s
Tilt Speed	Configurable, from 0.1°/s to 240°/s, Preset Speed: 400°/s
Operating Temperature	Outdoor model: -40°C to 70°C (-40°F to 158°F) Indoor model: -10°C to 50°C (14°F to 122°F)
Humidity	≤ 95%
Local Storage	Built-in memory card slot, support Micro SD/SDHC/ SDXC, up to 256 GB; NAS (NFS, SMB/ CIFS), ANR
Audio I/O	1/1
Alarm I/O	7/2
Power	Outdoor model: 24 VAC (Max. 60 W) , Hi-PoE (Max. 40 W) Indoor model: 24 VAC (Max. 25 W) , Hi-PoE (Max. 25 W)

DE7A

Model	DS-2DE7A220MCG-EB	DS-2DE7A412MCG-EB
Image	ColorVu	ColorVu
Image Sensor	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Resolution	1920 × 1080	2560 × 1440
Video Compression	Main stream: H.265+/H.265/H.264+/H.264	Main stream: H.265+/H.265/H.264+/H.264
Lens	6.7 mm to 134 mm, 20 × optical, 16 × digital	6.7 mm to 80.4 mm, 12 × optical, 16 × digital
Angle of View	Horizontal field of view: 53° to 4.9° (wide-tele), Vertical field of view: 31.3° to 2.7° (wide-tele), Diagonal field of view: 59.6° to 5.6° (wide-tele)	Horizontal field of view: 51.5° to 7.9° (wide-tele), Vertical field of view: 30.3° to 4.4° (wide-tele), Diagonal field of view: 57.9° to 9.0° (wide-tele)
Min. Illumination	Color: 0.0005Lux @ (F1.2, AGC ON), B/W: 0.0001Lux @ (F1.2, AGC ON), 0 Lux with Light	Color:0.0005Lux @ (F1.2, AGC ON), B/W:0.0001Lux @ (F1.2, AGC ON), 0 Lux with Light
WDR	120 dB	120 dB
Max. IR Range	White light: up to 100 m IR: up to 150 m	White light: up to 100 m IR: up to 150 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection, Manual tracking, auto-tracking, Motion detection, video tampering alarm, exception, alarm input and output, Face Capture:Detects up to 5 faces simultaneously. Supports detecting, capturing, grading, selecting of face in motion, and output the best face picture of the face	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection, Manual tracking, auto-tracking, Motion detection, video tampering alarm, exception, alarm input and output, Face Capture:Detects up to 5 faces simultaneously. Supports detecting, capturing, grading, selecting of face in motion, and output the best face picture of the face
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 24 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3
Protection Level	IP66 (IEC 60529-2013), IK10 (excluding glass window), TVS 6000V lightning protection, surge protection and voltage transient protection	IP66 (IEC 60529-2013), IK10 (excluding glass window), TVS 6000V lightning protection, surge protection and voltage transient protection
Pan Range	360° endless	360° endless
Tilt Range	From -15° to 90° (Auto-flip)	From -15° to 90° (Auto-flip)
Pan Speed	Pan speed: configurable from 0.1° to 160°/s; preset speed: 240°/s	Pan speed: configurable from 0.1° to 160°/s; preset speed: 240°/s
Tilt Speed	Tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s	Tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s
Operating Temperature	-30 °C to 65 °C (-22 °F to 149 °F).	-30 °C to 65 °C (-22 °F to 149 °F).
Humidity	≤ 90%	≤ 90%
Local Storage	Built-in memory card slot, support Micro SD / SDHC / SDXC, up to 256 GB	Built-in memory card slot, support Micro SD / SDHC / SDXC, up to 256 GB
Audio I/O	1/1	1/1
Alarm I/O	2/1	2/1
Power	24 VAC, max. 42 W (including max. 12 W for IR and max. 2 W for heater) Hi-PoE	24 VAC, max. 42 W (including max. 12 W for IR and max. 2 W for heater) Hi-PoE

DE7

Model	DS-2DE7A812MCG-EB	DS-2DE7A245IX-AE/S1	DS-2DE7A225IW-AEB(T5)	DS-2DE7A232IW-AEB(T5)
Image	4K ColorVu			
Image Sensor	1/1.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS
Resolution	3840 × 2160	1920 × 1080	1920 × 1080	1920 × 1080
Video Compression	Main stream: H.265+/H.265/H.264+/H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	6.7 mm to 80.4 mm, 12 × optical, 64 × digital	4 to 180 mm, 45x optical	4.8 to 120 mm, 25x optical	4.8 mm to 153 mm, 32x optical
Angle of View	Horizontal field of view: 53° to 8.1° (wide-tele), Vertical field of view: 31.3° to 4.6° (wide-tele), Diagonal field of view:59.6° to 9.3° (wide-tele)	Horizontal field of view: 70.3° to 1.8° (Wide-Tele) Vertical field of view: 42.2° to 1.0° (Wide-Tele) Diagonal field of view: 78.3° to 2.1° (Wide-Tele)	Horizontal field of view: 57.6° to 2.5° (wide-tele), Vertical field of view: 34.4° to 1.4° (wide-tele), Diagonal field of view: 64.5° to 2.9° (wide-tele)	Horizontal field of view: 50.8° to 2.6° (wide-tele), Vertical field of view: 29.4° to 1.5° (wide-tele), Diagonal field of view:57.4° to 3° (wide-tele)
Min. Illumination	Color: 0.0005Lux @ (F1.2, AGC ON), B/W: 0.0001Lux @ (F1.2, AGC ON) ,0 Lux with Light	Color: 0.005 lux @ (F1.6, AGC ON)	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux@ (F1.6, AGC ON), 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux@ (F1.6, AGC ON), 0 Lux with IR
WDR	120 dB	120 dB	120 dB	120 dB
Max. IR Range	White light: up to 100 m IR: up to 150 m	200 m	200 m	200 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection, Manual tracking, auto-tracking, Motion detection, video tampering alarm, exception, alarm input and output, Face Capture:Detects up to 5 faces simultaneously. Supports detecting, capturing, grading, selecting of face in motion, and output the best face picture of the face	Face Detection, Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Object Removal Detection, Unattended Baggage Detection, Audio Exception Detection	Face Capture, Intrusion detection, line crossing detection(Support alarm triggering by specified target types (human and vehicle)), region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception	Face Capture, Intrusion detection, line crossing detection(Support alarm triggering by specified target types (human and vehicle)), region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception
Frame Rate	50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 24 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 50fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720) 60fps (1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3	3	3
Protection Level	IP66 (IEC 60529-2013), IK10 (excluding glass window), TVS 6000V lightning protection, surge protection and voltage transient protection	IP66 Standard, 4000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP66 (IEC 60529-2013), IK10 (excluding glass window), TVS 6000V lightning protection, surge protection and voltage transient protection	IP66 (IEC 60529-2013), IK10 (excluding glass window), TVS 6000V lightning protection, surge protection and voltage transient protection
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	From -15° to 90° (Auto-flip)	From -15° to 90° (Auto-flip)	From -15° to 90° (Auto Flip)	From -15° to 90° (Auto Flip)
Pan Speed	Pan speed: configurable from 0.1° to 160°/s; preset speed: 240°/s	Configurable, from 0.1°/s to 160°/s, Preset Speed: 240°/s	Configurable, from 0.1°/s to 160°/s, Preset Speed: 240°/s	Configurable, from 0.1°/s to 160°/s, Preset Speed: 240°/s
Tilt Speed	Tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s	Configurable, from 0.1°/s to 120°/s, Preset Speed: 200°/s	Configurable, from 0.1°/s to 120°/s, Preset Speed: 200°/s	Configurable, from 0.1°/s to 120°/s, Preset Speed: 200°/s
Operating Temperature	-30 °C to 65 °C (-22 °F to 149 °F).	-30°C to 65°C (-22°F to 149°F)	-30°C to 65°C (-22°F to 149°F)	-30°C to 65°C (-22°F to 149°F)
Humidity	≤ 90%	≤ 90%	≤ 90%	≤ 90%
Local Storage	Built-in memory card slot, support Micro SD / SDHC / SDXC, up to 256 GB	Built-in memory card slot, support Micro SD / SDHC / SDXC, up to 256 GB; NAS (NFS, SMB/ CIFS), ANR	support microSD/microSDHC/microSDXC cards, up to 256 GB	support microSD/microSDHC/microSDXC cards, up to 256 GB
Audio I/O	1/1	1/1	1/1	1/1
Alarm I/O	2/1	2/1	2/1	2/1
Power	24 VAC, max. 42 W (including max. 12 W for IR and max. 2 W for heater) Hi-PoE	24 VAC & Hi-PoE, Max.: 40 W (IR Max.16 W)	24 VAC, max. 42 W (including max. 18 W for IR and max. 10 W for heater); Hi-PoE	24 VAC, max. 42 W (including max. 18 W for IR and max. 10 W for heater); Hi-PoE

Model	DS-2DE7A425IW-AEB(T5)	DS-2DE7A432IW-AEB(T5)	DS-2DE7A825IW-AEB(T5)
Image			4K
Image Sensor	1/2.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Resolution	2560 × 1440	2560 × 1440	3840 × 2160
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	4.8 mm to 120 mm, 25x optical	5.9 mm to 188.8 mm, 32x optical	5.9mm to 147.5 mm, 25x optical
Angle of View	Horizontal field of view: 50.8° to 2.6° (wide-tele), Vertical field of view: 29.4° to 1.5° (wide-tele), Diagonal field of view:57.4° to 3° (wide-tele)	Horizontal field of view: 50.8° to 2.6° (wide-tele), Vertical field of view: 29.4° to 1.5° (wide-tele), Diagonal field of view:57.4° to 3° (wide-tele)	Horizontal field of view: 50.8° to 2.6° (wide-tele), Vertical field of view: 29.4° to 1.5° (wide-tele), Diagonal field of view:57.4° to 3° (wide-tele)
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux@(F1.6, AGC ON), 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux@(F1.6, AGC ON), 0 Lux with IR	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux@(F1.6, AGC ON), 0 Lux with IR
WDR	120 dB	120 dB	120 dB
Max. IR Range	200 m	200 m	200 m
VCA	Face Capture, Intrusion detection, line crossing detection(Support alarm triggering by specified target types (human and vehicle)), region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception	Face Capture, Intrusion detection, line crossing detection(Support alarm triggering by specified target types (human and vehicle)), region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception	Face Capture, Intrusion detection, line crossing detection(Support alarm triggering by specified target types (human and vehicle)), region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception
Frame Rate	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 24 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3	3
Protection Level	IP66 (IEC 60529-2013), IK10 (excluding glass window), TVS 6000V lightning protection, surge protection and voltage transient protection	IP66 (IEC 60529-2013), IK10 (excluding glass window), TVS 6000V lightning protection, surge protection and voltage transient protection	IP66 (IEC 60529-2013), IK10 (excluding glass window), TVS 6000V lightning protection, surge protection and voltage transient protection
Pan Range	360° endless	360° endless	360° endless
Tilt Range	From -15° to 90° (Auto Flip)	From -15° to 90° (Auto Flip)	From -15° to 90° (Auto Flip)
Pan Speed	Configurable, from 0.1°/s to 160°/s, Preset Speed: 240°/s	Configurable, from 0.1°/s to 160°/s, Preset Speed: 240°/s	Configurable, from 0.1°/s to 160°/s, Preset Speed: 240°/s
Tilt Speed	Configurable, from 0.1°/s to 120°/s, Preset Speed: 200°/s	Configurable, from 0.1°/s to 120°/s, Preset Speed: 200°/s	Configurable, from 0.1°/s to 120°/s, Preset Speed: 200°/s
Operating Temperature	-30°C to 65°C (-22°F to 149°F)	-30°C to 65°C (-22°F to 149°F)	-30°C to 65°C (-22°F to 149°F)
Humidity	≤ 90%	≤ 90%	≤ 90%
Local Storage	support microSD/microSDHC/microSDXC cards, up to 256 GB	support microSD/microSDHC/microSDXC cards, up to 256 GB	support microSD/microSDHC/microSDXC cards, up to 256 GB
Audio I/O	1/1	1/1	1/1
Alarm I/O	2/1	2/1	2/1
Power	24 VAC, max. 42 W (including max. 18 W for IR and max. 10 W for heater); Hi-PoE	24 VAC, max. 42 W (including max. 18 W for IR and max. 10 W for heater); Hi-PoE	24 VAC, max. 42 W (including max. 18 W for IR and max. 10 W for heater); Hi-PoE

Special Series PTZ Cameras

Great Innovation, Inside and Out

- Up to 1920 x 1080 resolution
- H.265+ / H.265 codec
- DarkFighter Technology
- False alarm reduction through human and vehicle target classification based on AcuSense technology
- More zoom ratio options 25x / 36x / 40x / 50x / 100x
- Supplemental light options – IR (up to 400 m in distance), Laser (up to 3,000 m in distance)
- Supports IP66, wiper
- Supports Open Network Video Interface and ISAPI
- Supports Hikvision SDK and third-party management platform
- Traffic violation detection with deep-learning algorithm (only supported by Traffic PTZ Cameras)
- Built-in gauge reading algorithm (only supported by Water-Level Monitoring PTZ Cameras)

Model	DS-2DYH2A0IXS-D(T2)	DS-2DY9240IX-A(T5)	DS-2DY9250IAX-A(T5)	DS-2DY9250X-A(T5)	DS-2DY7236IX-A(T5)
Image					
Image Sensor	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Resolution	1920 × 1080	1920 × 1080	1920 × 1080	1920 × 1080	1920 × 1080
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	10 mm to 1000 mm, 100 × optical	6.0 mm to 240 mm, 40 × optical	6.0 mm to 300 mm, 50 × optical	6.0 mm to 300 mm, 50 × optical	4.6-165.6 mm, 36 × optical
Angle of View	Horizontal field of view: 31.2° to 0.4° (wide-tele) Vertical field of view: 17.8° to 0.2° (wide-tele) Diagonal field of view: 35.5° to 0.5° (wide-tele)	Horizontal field of view: 59.0 to 1.8° (wide-tele) Vertical field of view: 33.7° to 1.1° (wide-tele), Diagonal field of view: 63.4° to 2.1° (wide-tele)	Horizontal field of view: 56.6° to 1.4° (wide-tele) Vertical field of view: 33.7° to 0.9° (wide-tele) Diagonal field of view: 63.4° to 1.6° (wide-tele)	Horizontal field of view: 56.6° to 1.4° (wide-tele) Vertical field of view: 33.7° to 0.9° (wide-tele) Diagonal field of view: 63.4° to 1.6° (wide-tele)	55° to 2.0° (Wide-Tele)
Min. Illumination	Color: 0.005 Lux @ (F3.0, AGC ON) B/W: 0.0005 Lux @ (F3.0, AGC ON), 0 Lux with laser	color: 0.005 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.005 Lux @(F1.2, AGC ON), B/W: 0.001 Lux @(F1.2, AGC ON), 0 Lux with Laser	B/W: 0.001 Lux @ (F1.2, AGC ON), color: 0.005 Lux @ (F1.2, AGC ON)	color: 0.05 Lux @ (F1.6, AGC ON), B/W: 0.01 Lux @ (F1.6, AGC ON), 0 Lux with IR
WDR	N/A	140 dB	140 dB	140 dB	120 dB
Max. IR Range	3000 m	400 m	1000 m	N/A	150 m
VCA	Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage detection, Object Removal Detection	Face capture, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	Face capture, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	Face capture, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	Face capture, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection
Frame Rate	50Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3	3	3	3
Protection Level	IP66 Standard, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP66 Standard, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP66 Standard, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP66 Standard, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP66, TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Pan Range	360°	360°	360°	360°	360° endless
Tilt Range	-45° to 45° (auto flip)	+40° to -90°	+40° to -90°	+40° to -90°	From -40° to 90°
Pan Speed	pan speed: configurable from 0.1°-40°/s	pan speed: configurable from 0.1° to 120°/s; preset speed: 120°/s	pan speed: configurable from 0.1° to 120°/s; preset speed: 120°/s	pan speed: configurable from 0.1° to 120°/s; preset speed: 120°/s	Configurable, from 0.1°/s to 100°/s, Preset speed: 100°/s
Tilt Speed	tilt speed: configurable from 0.1°-20°/s	tilt speed: configurable from 0.1° to 50°/s, preset speed 50°/s	tilt speed: configurable from 0.1° to 50°/s, preset speed 50°/s	tilt speed: configurable from 0.1° to 50°/s, preset speed 50°/s	Configurable, from 0.1°/s to 50°/s Preset Speed: 100°/s
Operating Temperature	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)
Humidity	≤ 95%	≤ 95%	≤ 95%	≤ 95%	≤ 95%
Local Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/CIPS), ANR	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/CIPS), ANR	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/CIPS), ANR	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/CIPS), ANR	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/CIFS), ANR
Audio I/O	1/1	1/1	1/1	1/1	1/1
Alarm I/O	7/2	7/2	7/2	7/2	7/2
Power	DC48V, 6.67 A, 320 W max	24 VAC	24 VAC	24 VAC	24 VAC Max.: 55 W

Model	DS-2DY5225IX-AE(T5)	DS-2DY5225IX-DM(T5)	DS-2DF8C425MHG-WD	iDS-2VS445-F835H-MEY
Image				
Image Sensor	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Resolution	1920 × 1080	1920 × 1080	2560 × 1440	2560 × 1440
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	5.9-147.5 mm, 25 × optical	5.9-147.5 mm, 25 × optical	6 to 150 mm, 25x optical,16 × digital	5.9 to 206.5 mm, 35 × optical,16 × digital
Angle of View	Horizontal FOV: 55.4° to 2.1° (wide-tele), Vertical FOV: 32.4° to1.2° (wide-tele), Diagonal FOV: 62° to 3.3° (wide-tele)	Horizontal FOV: 55.4° to 2.1° (wide-tele), Vertical FOV: 32.4° to1.2° (wide-tele), Diagonal FOV: 62° to 3.3° (wide-tele)	Horizontal field of view: 59° to 3.05°, vertical field of view: 34.28° to 1.73°, diagonal field of view: 66.92° to 3.49°	Horizontal field of view: 58.9° to 2.2°, vertical field of view: 34.1° to 1.2°, diagonal field of view: 68.2° to 2.6°
Min. Illumination	color: 0.005 Lux @ (F1.5, AGC ON), B/W: 0.001 Lux @ (F1.5, AGC ON), 0 Lux with IR	color: 0.005 Lux @ (F1.5, AGC ON), B/W: 0.001 Lux @ (F1.5, AGC ON), 0 Lux with IR	Color: 0.0004 Lux @ (F1.6, AGC ON),B/W: 0.0001 Lux @ (F1.6, AGC ON),0 Lux with IR	Color: 0.0004 Lux @ (F1.6, AGC ON),B/W: 0.0001 Lux @ (F1.6, AGC ON),0 Lux with IR
WDR	120 dB	120 dB	120 dB	140 dB
Max. IR Range	250 m	250 m	200 m	300 m
VCA	Face capture, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	Face capture, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	Audio exception detection, exception,alarm input and output	Motion detection,video tampering alarm,exception,alarm input and output
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3	3	3
Protection Level	IP66, TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP66, TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP67 (IEC 60529-2013),TVS 6000 V lightning protection, surge protection and voltage transient protection	IP67 (IEC 60529-2013),IK10 (IEC 62262:2002),TVS 6K V lightning protection, surge protection and voltage transient protection
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	From +90° to -90° (auto flip)	From +90° to -90° (auto flip)	From -20° to 90°	From -20° to 90°
Pan Speed	Configurable, from 0.1°/s to 150°/s, Preset speed: 150°/s	Configurable, from 0.1°/s to 80°/s Preset Speed: 80°/s	configurable from 0.1° to 160°/s, preset speed: 240°/s	configurable from 0.1° to 210°/s, preset speed: 280°/s
Tilt Speed	Configurable, from 0.1°/s to 80°/s Preset Speed: 80°/s	Configurable, from 0.1°/s to 40°/s Preset Speed: 40°/s	configurable from 0.1° to 120°/s, preset speed 200°/s	configurable from 0.1° to 150°/s, preset speed 250°/s
Operating Temperature	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)	-40 °C to 70 °C (-40 °F to 158 °F)	-40 °C to 70 °C (-40 °F to 158 °F)
Humidity	≤ 95%	≤ 95%	≤ 95%	≤ 95%
Local Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/ CIFS), ANR	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/ CIFS), ANR	Built-in memory card slot, support MicroSD/SDHC/SDXC, up to 256 GB	Built-in memory card slot, support MicroSD/SDHC/SDXC, up to 256 GB
Audio I/O	1/1	N/A	1/1	1/1
Alarm I/O	7/2	N/A	7/2	7/2
Power	24 VAC & Hi-PoE Max.: 45 W	"12 VDC & PoE(802.3at) Max.: 45 W"	12 VDC, max. 42 W, including max. 12 W for IR, and 8 W for heater	24 VDC ± 25%, max. 62 W, Hi-PoE

Panoramic Camera

047 PanoVu Series

051 Fisheye Series

PanoVu Series

From Expansive Scenes to Detailed Close-Ups

- 360° / 270° / 180° image stitching of up to 32 MP
- Multiple display modes
- F1.0 super large aperture (ColorVu technology)
- Face capture (PTZ PanoVu only)
- Augmented Reality
- Saves labor costs and IP address costs

PanoVu Mini

Model	DS-2PT3326IZ-DE3	DS-2PT3122IZ-DE3	DS-2PT3306IZ-DE3	DS-2PT5326IZ-DE
Image				
Image Sensor	Fixed: 3×1/2.8" progressive scan CMOS PTZ: 1/2.8" progressive scan CMOS	Fixed: 1×1/2.8'' progressive scan CMOS PTZ: 1/2.8'' progressive scan CMOS	3×1/2.8" progressive scan CMOS	Fixed: 3×1/2.8" progressive scan CMOS PTZ: 1/2.8" progressive scan CMOS
Resolution	1920 × 1080	1920 × 1080	1920 × 1080	1920 × 1080
Video Compression	H.265 / H.264 / MJPEG	H.265 / H.264 / MJPEG	H.265 / H.264 / MJPEG	H.265 / H.264 / MJPEG
Min. Illumination	Color: 0.05 lux @ (F2.0, AGC ON)	Color: 0.05 lux @ (F2.0, AGC ON)	Color: 0.05 lux @ (F2.0, AGC ON)	Color: 0.005 lux @ (F1.6, AGC ON)
WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR
Lens	Fixed: 2 mm PTZ: 2.8-12 mm	Fixed: 2 mm PTZ: 2.8-12 mm	2 mm	Fixed: 4 mm PTZ: 5-50 mm
FOV	Fixed: Horizontal field of view: 128.5° Vertical field of view: 75.7° Diagonal field of view: 144° PTZ cam: Horizontal field of view: 120° to 56.6° (wild-tele) Vertical field of view: 61.8° to 31.7° (wild-tele) Diagonal field of view: 149° to 65° (wild-tele)	Panoramic cam: Horizontal field of view: 128.5° Vertical field of view: 75.7° Diagonal field of view: 144° PTZ cam: Horizontal field of view: 120° to 56.6° (wild-tele) Vertical field of view: 61.8° to 31.7° (wild-tele) Diagonal field of view: 149° to 65° (wild-tele)	Horizontal field of view: 128.5° × 3 Vertical field of view: 75.7°	Panoramic cam: Horizontal field of view: 80.7° × 3 Vertical field of view: 43.5° PTZ cam: Horizontal field of view: 58.6° to 6.4° (wide - tele)
Optical Zoom	PTZ: 4x	PTZ: 4x	-	PTZ: 10x
Max. IR Range	10 m	10 m	10 m	Panoramic cam: 30 m PTZ cam: 50 m
VCA	Audio Exception Detection, Intrusion Detection, Line Crossing Detection,motion detection	Audio Exception Detection, Intrusion Detection, Line Crossing Detection,motion detection	Audio Exception Detection, Intrusion Detection, Line Crossing Detection,motion detection	Audio Exception Detection, Intrusion Detection, Line Crossing Detection,motion detection
Frame Rate	50Hz: 25fps (1920×1080, 1280×720, 704×576, 640×480, 352×288) 60Hz: 30fps (1920×1080, 1280×720, 704×480, 640×480, 352×240)	50Hz: 25fps (1920×1080, 1280×720, 704×576, 640×480, 352×288) 60Hz: 30fps (1920×1080, 1280×720, 704×480, 640×480, 352×240)	50 Hz: 20 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 20 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (1920×1080, 1280×720, 704×576, 640×480, 352×288) 60Hz: 30fps (1920×1080, 1280×720, 704×480, 640×480, 352×240)
Streams	2	2	2	2
Protection Level	-	-	IP66	IP66
Operating Temperature	-10°C to 50°C (14°F to 122°F)	-10°C to 50°C (14°F to 122°F)	-10°C to 50°C (14°F to 122°F)	-30°C to 65°C (-22°F to 149°F), with heater on
Humidity	Humidity 90% or less (non-condensing)	Humidity 90% or less (non-condensing)	Humidity 90% or less (non-condensing)	Humidity 90% or less (non-condensing)
Local Storage	Built-in memory card slot, support Micro SD / SDHC / SDXC, up to 256 GB	Built-in memory card slot, support Micro SD / SDHC / SDXC, up to 256 GB	Built-in memory card slot, support Micro SD / SDHC / SDXC, up to 256 GB	Built-in memory card slot, support Micro SD / SDHC / SDXC, up to 256 GB
Indoor/Outdoor	Indoor	Indoor	Indoor	Outdoor
Audio I/O	1-ch audio input and 1-ch audio output.	1-ch audio input and 1-ch audio output.	1-ch audio input and 1-ch audio output.	1-ch audio input and 1-ch audio output.
Alarm I/O	-	-	-	1-ch alarm input and 1-ch alarm output
Power	12 VDC (Max.24 W), PoE+ (Max. 25 W), IR Max. 6 W	12 VDC (Max.19 W), PoE+ (Max. 20 W), IR Max. 2 W	12 VDC & PoE+ (802.3 at, class 4) Max.20 W (Max. 6 W for IR)	12 VDC & PoE+ (802.3 at, class 4) Max.27 W (Max. 9 W for IR)

Model	DS-2DP1618ZIXS-DE_440(F0)(P4)	DS-2DP2427ZIXS-DE_440(F0)(P4)	DS-2DP3236ZIXS-D_440(F0)(P4)	DS-2DP0818ZIXS-DE/440(F0)(P4)	DS-2DP6436ZIXS-D/836(F0)(P4)
Image					
Image Sensor	[Panoramic channel]: 1/1.8" progressive scan CMOS, [PTZ channel]: 1/1.8" progressive scan CMOS	[Panoramic channel]: 1/1.8" progressive scan CMOS, [PTZ channel]: 1/1.8" progressive scan CMOS	[Panoramic channel]: 1/1.8"" progressive scan CMOS, [PTZ channel]: 1/1.8"" progressive scan CMOS	[Panoramic channel]: 1/1.8"" progressive scan CMOS, [PTZ channel]: 1/1.8"" progressive scan CMOS	[Panoramic channel]: 1/1.8"" progressive scan CMOS, [PTZ channel]: 1/1.8"" progressive scan CMOS
Resolution	5520 × 2400	8160 × 2400	5520 × 2400	4096 × 1800	8160*3616
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264/MJPEG
Min. Illumination	[Panoramic channel] Color: 0.0005 Lux (F1.0, AGC ON), B/W: 0.0001 Lux (F1.0, AGC ON); [PTZ channel]: 0.0005 Lux (F1.2, AGC ON), B/W: 0.0001 Lux (F1.2, AGC ON), 0 Lux with IR	[Panoramic channel] Color: 0.0005 Lux (F1.0, AGC ON), B/W: 0.0001 Lux (F1.0, AGC ON); [PTZ channel]: 0.0005 Lux (F1.2, AGC ON), B/W: 0.0001 Lux (F1.2, AGC ON), 0 Lux with IR	[Panoramic channel] Color: 0.0005 Lux (F1.0, AGC ON), B/W: 0.0001 Lux (F1.0, AGC ON); [PTZ channel] 0.0005 Lux (F1.2, AGC ON), B/W: 0.0001 Lux (F1.2, AGC ON), 0 Lux with IR	[Panoramic channel] Color: 0.0005 Lux (F1.0, AGC ON), B/W: 0.0001 Lux (F1.0, AGC ON); [PTZ channel] 0.0005 Lux (F1.2, AGC ON), B/W: 0.0001 Lux (F1.2, AGC ON), 0 Lux with IR	[Panoramic channel] Color: 0.0005 Lux (F1.0, AGC ON), B/W: 0.0001 Lux (F1.0, AGC ON); [PTZ channel] 0.0005 Lux (F1.2, AGC ON), B/W: 0.0001 Lux (F1.2, AGC ON), 0 Lux with IR
WDR	120 dB	120 dB	120 dB	120 dB	120 dB
Lens	[Panoramic channel] 2.8 mm; [PTZ channel] 6.0 to 240 mm	[Panoramic channel] 2.8 mm; [PTZ channel] 6.0 to 240 mm	[Panoramic channel] 2.8 mm; [PTZ channel] 6.0 to 240 mm	[Panoramic channel] 2.8 mm; [PTZ channel] 6.0 to 240 mm	[Panoramic channel] 2.8 mm; [PTZ channel] 6.0 to 240 mm
FOV	Horizontal FOV 56.6° to 1.8°, vertical FOV 33.7° to 1.0°, diagonal FOV 63.4° to 2.0°	Horizontal FOV 56.6° to 1.8°, vertical FOV 33.7° to 1.0°, diagonal FOV 63.4° to 2.0°	Horizontal FOV 56.6° to 1.8°, vertical FOV 33.7° to 1.0°, diagonal FOV 63.4° to 2.0°	Horizontal FOV 56.6° to 1.8°, vertical FOV 33.7° to 1.0°, diagonal FOV 63.4° to 2.0°	Horizontal FOV 56.6° to 1.8°, vertical FOV 33.7° to 1.0°, diagonal FOV 63.4° to 2.0°
Optical Zoom	40x	40x	40x	40x	40x
Max. IR Range	250 m	250 m	250 m	250 m	250 m
VCA	Line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, intrusion detection	Line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, intrusion detection	Line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, intrusion detection	Line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, intrusion detection	Line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, intrusion detection
Frame Rate	[Panoramic channel]: 50Hz: 25fps (5520×2400, 4096×1800, 3840×1680, 2784×1200) 60Hz: 30fps (5520×2400, 4096×1800, 3840×1680, 2784×1200) [PTZ channel]: 50Hz:25fps (2560x1440,1920×1080,1280×960,1280x720) 60Hz:30fps (2560x1440,1920x1080,1280x960, 1280x720)	[Panoramic channel]: 50Hz:25fps (8160×2400,6120×1800,5760×1696, 3840×1080), 60Hz: 30fps (8160×2400,6120×1800,5760×1696, 3840×1080); [PTZ channel]: 50Hz:25fps (2560x1440,1920×1080,1280×960,1280x720) 60Hz:30fps (2560x1440,1920x1080,1280x960, 1280x720)	[Panoramic channel]: 50 Hz: 25 fps (8160 × 3616, 6144 × 2560, 4320 × 1808) 60 Hz: 30 fps (8160 × 3616, 6144 × 2560, 4320 × 1808) [PTZ channel]: 50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)	[Panoramic channel]: 50 Hz: 25 fps (8160 × 3616, 6144 × 2560, 4320 × 1808) 60 Hz: 30 fps (8160 × 3616, 6144 × 2560, 4320 × 1808) [PTZ channel]: 50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)	[Panoramic channel]: 50 Hz: 25 fps (8160 × 3616, 6144 × 2560, 4320 × 1808) 60 Hz: 30 fps (8160 × 3616, 6144 × 2560, 4320 × 1808) [PTZ channel]: 50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3	3	3	3
Protection Level	IP67, IK10	IP67, IK10	IP67 Standard, Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line, IEC61000-4-5, IK10	IP67 Standard, Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line, IEC61000-4-5, IK10	IP67 Standard, Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line, IEC61000-4-5, IK10
Angle Adjustment	-	-	-	-	-
Operating Temperature	Outdoor: -40°C to 70°C (-40°F to 158°F)	Outdoor: -40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158 °F).	-40°C to 70°C (-40°F to 158 °F).	-40°C to 70°C (-40°F to 158 °F).
Humidity	≤ 90%	≤ 90%	≤ 90%	≤ 90%	≤ 90%
Local Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC cards, up to 256 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC cards, up to 256 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC cards, up to 256 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC cards, up to 256 GB	Built-in memory card slot, support microSD/microSDHC/microSDXC cards, up to 256 GB
Indoor/Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Audio I/O	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 KΩ ± 10%; 1 output (line out), line level, output impedance: 600 Ω	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 KΩ ± 10%; 1 output (line out), line level, output impedance: 600 Ω	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 KΩ ± 10%; 1 output (line out), line level, output impedance: 600 Ω	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 KΩ ± 10%; 1 output (line out), line level, output impedance: 600 Ω	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 KΩ ± 10%; 1 output (line out), line level, output impedance: 600 Ω
Alarm I/O	7 alarm inputs, 2 alarm outputs	7 alarm inputs, 2 alarm outputs	7 alarm inputs, 2 alarm outputs	7 alarm inputs, 2 alarm outputs	7 alarm inputs, 2 alarm outputs
Power	36 VDC, max. 135 W (including max. 12 W for IR)	36 VDC, max. 135 W (including max. 12 W for IR)	36 VDC, max. 135 W (including max. 12 W for IR)	36 VDC, max. 135 W (including max. 12 W for IR)	36 VDC, max. 135 W (including max. 12 W for IR)

Model	DS-2CD6924G0-IHS(/NFC)	DS-2CD6944G0-IHS(/NFC)	DS-2CD6984G0-IH(S)/(NFC)	DS-2CD6D24FWD-(I)Z(H)(S)/(NFC)	DS-2CD6D54FWD-(I)Z(H)(S)/(NFC)
Image	HOT NEW PanoVu	NEW PanoVu	PanoVu	HOT PanoVu	HOT PanoVu
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Resolution	3840 × 2160 (Panorama mode)	4800 × 2688 (Panorama mode)	8160 × 3616 (Panorama mode)	1920 × 1080	2560 × 1920
Video Compression	H.265+ / H.264+ / H.265 / H.264 / MJPEG	H.265+ / H.264+ / H.265 / H.264 / MJPEG	H.265+ / H.264+ / H.265 / H.264	H.265+ / H.264+ / H.265 / H.264 / MJPEG	H.265+ / H.264+ / H.265 / H.264 / MJPEG
Min. Illumination	Color: 0.003 lux @ (F1.2, AGC ON), B/W: 0.0018 lux @ (F1.6, AGC ON), 0 lux with IR	Color: 0.009 lux @ (F1.6, AGC ON), B/W: 0.0018 lux @ (F1.6, AGC ON), 0 lux with IR	Color: 0.012 lux @ (F1.4, AGC ON) B/W: 0.0012 lux @ (F1.4, AGC ON), 0 lux with IR	Color: 0.006 Lux @ (F1.2, AGC ON), 0.01 Lux @ (F1.6, AGC ON) B/W: 0.002 Lux @ (F1.2, AGC ON); 0.003 Lux @ (F1.6, AGC ON) 0 Lux with IR on	Color: 0.006 Lux @ (F1.2, AGC ON), 0.010 Lux @ (F1.6, AGC ON) B/W: 0.002 Lux @ (F1.2, AGC ON); 0.003 Lux @ (F1.6, AGC ON) 0 Lux with IR on
WDR	Digital WDR	Digital WDR	Digital WDR	120 dB	120 dB
Lens	Four 2.8 mm/6 mm	Four 2.8 mm/6 mm	Four 2.8 mm	Four 2.8 to 12 mm	Four 2.8 to 12 mm
FOV	2.8 mm: horizontal FOV 180°, vertical FOV 90° 6 mm: horizontal FOV 180°, vertical FOV 25°	2.8 mm: horizontal FOV 180°, vertical FOV 90° 6 mm: horizontal FOV 180°, vertical FOV 25°	Single lens image: horizontal FOV 102°, vertical FOV 55°, diagonal FOV 120° Panorama Image: horizontal field of view 180°, vertical FOV 95°	Horizontal field of view: 30° to 96.3° Vertical field of view: 17° to 54° Diagonal field of view: 34° to 121°	Horizontal field of view: 30° to 101° Vertical field of view: 22.4° to 73° Diagonal field of view: 37° to 137°
Optical Zoom	-	-	-	-	-
Max. IR Range	20 m (Four IR LEDs)	20 m (Four IR LEDs)	20 m (Four IR LEDs)	30 m	30 m
VCA	-	-	-	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection
Frame Rate	50Hz: 25fps (3840 × 2160, 2560 × 1440, 1920× 1080) 60Hz: 30fps (3840 × 2160, 2560 × 1440, 1920× 1080)	50Hz: 25fps (4800 × 2688, 3840 × 2160, 2688 × 1520) 60Hz: 30fps (4800 × 2688, 3840 × 2160, 2688 × 1520)	50Hz: 25fps (8160 × 3616, 8160 × 2304) 60Hz: 30fps (8160 × 3616, 8160 × 2304)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (2560 × 1920, 2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 24fps (2560 × 1920, 2048 × 1536, 1920 x 1080,1280 x 720)
Streams	2	2	1	3	3
Protection Level	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 90°	Pan: 0° to 355°, tilt: 0° to 90°	Pan: 0° to 355°, tilt: 0° to 90°	Four flexible lens in one track, slide range: -180° to 180°, tilt: 0° to 135°, rotate: 0° to 355°	Four flexible lens in one track, slide range: -180° to 180°, tilt: 0° to 135°, rotate: 0° to 355°
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)	-40 °C to +60 °C (-40 °F to +140 °F)	-40 °C to +60 °C (-40 °F to +140 °F)	-30 °C to 60 °C (-22 °F to 140 °F). -H: -40 °C to 60 °C (-40 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F). -H: -40 °C to 60 °C (-40 °F to 140 °F)
Humidity	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
Local Storage	Micro SD / SDHC / SDXC slot, up to 256 GB	Micro SD / SDHC / SDXC slot, up to 256 GB	Built-in micro SD / SDHC / SDXC slot, up to 128 GB	Built-in micro SD / SDHC / SDXC slot, up to 128 GB	Built-in micro SD / SDHC / SDXC slot, up to 128 GB
Indoor/Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Audio I/O	1 Input (line in/mic in, 3.5 mm), 1 output(3.5 mm)	1 Input (line in/mic in, 3.5 mm), 1 output(3.5 mm)	With S: 1 input (line in), 1 output (line out)	With -S: 1-ch 3.5 mm input (line in/Mic in), 1-ch 3.5mm output, dual-track, stereo	With -S: 1-ch 3.5 mm input (line in), 1-ch 3.5mm output, dual-track, stereo
Alarm I/O	2 Inputs, 2 outputs	2 Inputs, 2 outputs	With S: 2 Inputs, 2 outputs	With -S: 2 inputs, 2 outputs	With -S: 2 inputs, 2 outputs
Power	12 VDC & PoE(802.3at) Max.: 24W	12 VDC & PoE(802.3at) Max.: 24W	12 VDC & PoE(802.3at)	12 VDC ± 20%, 24 VAC ± 20% (for customization), three-core terminal block, -IZ, -IZHS/NFC: Hi-PoE: 42.5 VDC to 57 VDC, -Z: PoE (802.3at)	12 VDC ± 20%, 24 VAC ± 20% (for customization), three-core terminal block, -IZ, -IZS/NFC, -IZHS/NFC: Hi-PoE: 42.5 VDC to 57 VDC, -Z: PoE (802.3at)

Model	DS-2CD6D54G1-IZ(S)	DS-2CD6D54G1-ZS/RC	DS-2CD6D52G0-IH(S)	DS-2CD6D82G0-IH(S)
Image	HOT NEW PanoVu	HOT NEW PanoVu	HOT NEW PanoVu	HOT NEW PanoVu
Image Sensor	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS
Resolution	2560 x 1920	2560 x 1920	2560 x 1920	3840 x 2160
Video Compression	H.265+ / H.264+ / H.265 / H.264 / MJPEG	H.265+ / H.264+ / H.265 / H.264 / MJPEG	H.265+ / H.264+ / H.265 / H.264 / MJPEG	H.265+ / H.264+ / H.265 / H.264 / MJPEG
Min. Illumination	Color: 0.0125 lux @ (F1.9, AGC ON); B/W: 0.0025 lux @ (F1.9, AGC ON)	Color: 0.0125 lux @ (F1.9, AGC ON); B/W: 0.0025 lux @ (F1.9, AGC ON)	Color: 0.009 Lux @ (F1.6, AGC ON), B/W: 0.0018 Lux @ (F1.6, AGC ON), 0 Lux with IR	Color: 0.056 Lux @ (F2.0, AGC ON), 0 Lux with IR
WDR	120 dB	120 dB	120 dB	120 dB
Lens	Four 2.8 to 8 mm	Four 2.8 to 8 mm	2.8 mm/4 mm/6 mm	2.8 mm/4 mm/6 mm
FOV	Horizontal FOV 100° to 49°, vertical FOV 72° to 36.4°, diagonal FOV 134.4° to 61.4°	Horizontal FOV 100° to 49°, vertical FOV 72° to 36.4°, diagonal FOV 134.4° to 61.4°	2.8mm @ F1.6 horizontal FOV 97°, vertical FOV 70°, diagonal FOV 128° 4 mm @ F1.6, horizontal FOV 79°, vertical FOV 57°, diagonal FOV 104° 6 mm @ F1.6, horizontal FOV 49°, vertical FOV 35°, diagonal FOV 63°	2.8mm @ F2.0, horizontal FOV 103°, vertical FOV 53°, diagonal FOV 124° 4 mm @ F2.0, horizontal FOV 79°, vertical FOV 41°, diagonal FOV 94° 6 mm @ F2.0, horizontal FOV 50°, vertical FOV 27°, diagonal FOV 58°
Optical Zoom	-	-	-	-
Max. IR Range	30 m	-	10 m	10 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection	-	-
Frame Rate	50Hz: 25fps (2560 × 1920, 2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 24fps (2560 × 1920, 2048 × 1536,1920 × 1080, 1280 × 720)	50Hz: 25fps (2560 × 1920, 2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 24fps (2560 × 1920, 2048 × 1536,1920 × 1080, 1280 × 720)	50Hz: 25fps (2560 × 1920, 2048 × 1536) 60Hz: 30fps (2560 × 1920, 2048 × 1536)	50Hz: 25fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 24fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)
Streams	3	3	3	3
Protection Level	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Angle Adjustment	Pan: -60° to 60°, tilt: 10° to 90°	Pan: -60° to 60°, tilt: 10° to 90°	P: -90 to 90°; T: 0 to 60° (2.8mm), 0 to 70° (4/6mm); R: 0 to 355°	P: -90 to 90°; T: 0 to 60° (2.8mm), 0 to 70° (4/6mm); R: 0 to 355°
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)	-30 °C to 60 °C (-22 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F)
Humidity	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
Local Storage	Built-in micro SD / SDHC / SDXC slot, up to 128 GB	Built-in micro SD / SDHC / SDXC slot, up to 128 GB	Built-in micro SD / SDHC / SDXC slot, up to 256 GB	Built-in micro SD / SDHC / SDXC slot, up to 256 GB
Indoor/Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Audio I/O	With S: 1 input (line in), 1 output (line out), mono sound	1 input (line in), 1 output (line out), mono sound	Without -S: 2 built-in mics With S: 2 built-in mics, 1 line in, 1 line out	Without -S: 2 built-in mics With S: 2 built-in mics, 1 line in, 1 line out
Alarm I/O	With S: 2 inputs, 2 outputs	2 inputs, 2 outputs	With S: 1 input, 1 output (max. 36 VDC, 30mA)	With S: 1 input, 1 output (max. 36 VDC, 30mA)
Power	12 VDC± 20%, reverse polarity protection; three-core terminal block 24 VAC ± 20%; PoE (802.3at, class 4)	12 VDC± 20%, reverse polarity protection; three-core terminal block 24 VAC ± 20%; PoE (802.3af, class 0)	12 VDC & PoE (802.3af)	12 VDC & PoE (802.3af)

Fisheye Series

Single Sensor Panorama Camera

- 360° / 180° overview
- Multiple display modes
- ImmerVision lens (DS-2CD63C5G0 only)
- Deep learning heat map, intersection flow analysis and people counting
- Supports onboard dewarping
- IK10+ (50J) vandal-proof

Ultra Series

Model	DS-2CD63C5G0-I(V)(S)	DS-2CD6365G0-I(V)(S)
Image	HOT NEW IMMERVISION Heat map, intersection analysis, people counting with deep learning algorithm, onboard dewarping and client dewarping, built-in microphone and speaker, Immervision lens	HOT NEW Heat map, intersection analysis, people counting with deep learning algorithm, onboard dewarping and client dewarping, built-in microphone and speaker
Image Sensor	1/1.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max.Resolution	4000 × 3000	3072 × 2048
Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG
Min. Illumination	Color: 0.05 lux @ (F2.2, AGC ON), B/W: 0.01 lux @ (F2.2, AGC ON), 0 lux with IR	Color: 0.047 lux @ (F2.6, AGC ON), B/W: 0.0047 lux @ (F2.6, AGC ON), 0 lux with IR
WDR	DWDR	DWDR
Lens	1.29 mm	1.27 mm
FOV	Horizontal FOV: 180°, vertical FOV: 180°	Horizontal FOV 180° (wall mount), 360°(ceiling mount), 360°(table mount)
Max. IR Range	15 m (three independently controlled LEDs)	15 m (three independently controlled LEDs)
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection;Heat map with deep learning algorithm;Intersection analysis;People Counting	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection;Heat map with deep learning algorithm;Intersection analysis;People Counting
Frame Rate	50Hz: 20fps (4000 × 3000), 25fps (3000 × 3000, 2560 × 2560) 60Hz: 20fps (4000 × 3000), 30fps (3000 × 3000, 2560 × 2560)	50Hz: 25fps (3072 × 2048, 2048 × 2048, 1280 × 1280) 60Hz: 30fps (3072 × 2048, 2048 × 2048, 1280 × 1280)
Streams	2	2
Protection Level	With -V: IP67, IK10	With -V: IP67, IK10
Angle Adjustment	-	-
Operating Temperature	-40 °C to 60 °C (-40 °F to +140 °F) Heater	-40 °C to 60 °C (-40 °F to +140 °F) Heater
Humidity	humidity 95% or less (non-condensing)	humidity 95% or less (non-condensing)
Local Storage	Support microSD/SDHC/SDXC card (256 G), local storage and NAS (NFS,SMB/CIFS), ANR	Support microSD/SDHC/SDXC card (256 G), local storage and NAS (NFS,SMB/CIFS), ANR
Indoor/Outdoor	indoor/outdoor	indoor/outdoor
Audio I/O	2 built-in microphones, 1 built-in speaker, mono sound -S: 1 Audio input (line in, 3.5 mm), 1 audio output (line out, 3.5 mm)	2 built-in microphones, 1 built-in speaker, mono sound -S: 1 Audio input (line in, 3.5 mm), 1 audio output (line out, 3.5 mm)
Alarm I/O	With -S: 1-ch alarm input, max. 12 V; 1-ch alarm output, max 24 VDC, 1 A	With -S: 1-ch alarm input, max. 12 V; 1-ch alarm output, max 24 VDC, 1 A
Power	12 VDC±20%, PoE (802.3at, class 4), -S model: two-core terminal block Without -S model: Φ 5.5 × 2.1 mm coaxial power plug	12 VDC±20%, PoE (802.3at, class 4), -S model: two-core terminal block Without -S model: Φ 5.5 × 2.1 mm coaxial power plug

Model	DS-2CD63C5G0E-I(V)(S)	DS-2CD6365G0E-I(V)(S)	DS-2CD63C5G0E-S/RC	DS-2CD6365G0E-S/RC
Image	NEW Onboard dewarping and client dewarping, built-in microphone and speaker	NEW Onboard dewarping and client dewarping, built-in microphone and speaker	NEW Onboard dewarping and client dewarping, in-ceiling installation	NEW Onboard dewarping and client dewarping, in-ceiling installation
Image Sensor	1/1.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max.Resolution	4000 × 3000	3072 × 2048	4000 × 3000	3072 × 2048
Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG
Min. Illumination	Color: 0.082 lux @ (F2.8, AGC ON), B/W: 0.016 lux @ (F2.8, AGC ON), 0 lux with IR	Color: 0.047 lux @ (F2.6, AGC ON), B/W: 0.0047 lux @ (F2.6, AGC ON), 0 lux with IR	Color: 0.06 lux @ (F2.4, AGC ON), B/W: 0.012 lux @ (F2.4, AGC ON)	Color: 0.047 lux @ (F2.6, AGC ON), B/W: 0.0047 lux @ (F2.6, AGC ON)
WDR	DWDR	DWDR	DWDR	DWDR
Lens	2 mm	1.27 mm	2 mm	1.27 mm
FOV	Horizontal FOV 180° (wall mount), 360°(ceiling mount), 360°(table mount)	Horizontal FOV 180° (wall mount), 360°(ceiling mount), 360°(table mount)	360° (In-ceiling mounting)	360° (In-ceiling mounting)
Max. IR Range	15 m (three independently controlled LEDs)	15 m (three independently controlled LEDs)	-	-
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection;	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection;	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection;	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection;
Frame Rate	50Hz: 20fps (4000 × 3000), 25fps (3000 × 3000, 2560 × 2560) 60Hz: 20fps (4000 × 3000), 30fps (3000 × 3000, 2560 × 2560)	50Hz: 25fps (3072 × 2048, 2048 × 2048, 1280 × 1280) 60Hz: 30fps (3072 × 2048, 2048 × 2048, 1280 × 1280)	50Hz: 20fps (4000 × 3000), 25fps (3000 × 3000, 2560 × 2560) 60Hz: 20fps (4000 × 3000), 30fps (3000 × 3000, 2560 × 2560)	50Hz: 25fps (3072 × 2048, 2048 × 2048, 1280 × 1280) 60Hz: 30fps (3072 × 2048, 2048 × 2048, 1280 × 1280)
Streams	2	2	2	2
Protection Level	With -V: IP67, IK10	With -V: IP67, IK10	-	-
Angle Adjustment	-	-	-	-
Operating Temperature	-40 °C to 60 °C (-40 °F to +140 °F) Heater	-40 °C to 60 °C (-40 °F to +140 °F) Heater	-10 °C to +40 °C (14 °F to +104 °F)	-10 °C to +40 °C (14 °F to +104 °F)
Humidity	humidity 95% or less (non-condensing)	humidity 95% or less (non-condensing)	humidity 95% or less (non-condensing)	humidity 95% or less (non-condensing)
Local Storage	Support microSD/SDHC/SDXC card (256 G), local storage and NAS (NFS,SMB/CIFS), ANR	Support microSD/SDHC/SDXC card (256 G), local storage and NAS (NFS,SMB/CIFS), ANR	Support microSD/SDHC/SDXC card (256 G), local storage and NAS (NFS,SMB/CIFS), ANR	Support microSD/SDHC/SDXC card (256 G), local storage and NAS (NFS,SMB/CIFS), ANR
Indoor/Outdoor	indoor/outdoor	indoor/outdoor	indoor	indoor
Audio I/O	With -S: 1 Audio input (line in, 3.5 mm), 1 audio output (line out, 3.5 mm); 2 built-in microphone, 1 built-in speaker, mono sound	With -S: 1 Audio input (line in, 3.5 mm), 1 audio output (line out, 3.5 mm); 2 built-in microphone, 1 built-in speaker, mono sound	1 Audio input (line in, 3 5 mm), 1 audio output (line out, 3.5 mm); 2 built-in microphones, mono sound	1 Audio input (line in, 3.5 mm), 1 audio output (line out, 3.5 mm); 2 built-in microphones, mono sound
Alarm I/O	With -S: 1-ch alarm input, max. 12 V; 1-ch alarm output, max 24 VDC, 1 A	With -S: 1-ch alarm input, max. 12 V; 1-ch alarm output, max 24 VDC, 1 A	1-ch alarm input, max. 12 V; 1-ch alarm output, max 12 VDC, 0.5 A	1-ch alarm input, max. 12 V; 1-ch alarm output, max 12 VDC, 0.5 A
Power	12 VDC±20%, PoE (802.3af, class 0) -S model: two-core terminal block Without –S model: Φ 5.5 × 2.1 mm coaxial power plug	12 VDC±20%, PoE (802.3af, class 0), -S model: two-core terminal block Without –S model: Φ 5.5 × 2.1 mm coaxial power plug	12 VDC±20%, PoE (802.3af, class 3), two-core terminal block	12 VDC±20%, PoE (802.3af, class 3), two-core terminal block

Explosion-Proof & Anti-Corrosion Series

054 Explosion-Proof Series

058 Anti-Corrosion Series

Explosion-Proof Series

Complete Protection with Superior Design Inside and Out

- Explosion-proof certification: ATEX, IECEx, ULEx
- Anti-corrosion certification: NEMA-4X, C5
- 316L stainless steel / 304 stainless steel / Aluminum alloy
- Deep learning perimeter protection, face capture and hard hat detection
- Clear images of up to 8 MP
- H.265+/H.265 codec

Model	DS-2XE6146F-HS	DS-2XE6242F-IS/316L	DS-2XE6422FWD-IZHRS	DS-2XE6442F-IZHRS	DS-2XE6482F-IZHRS
Image	ATEX, IECEx, C5, NEMA 4X	ATEX, IECEx, C5, NEMA 4X	ATEX, IECEx, C5, NEMA 4X	ATEX, IECEx, C5, NEMA 4X	NEW ATEX, IECEx, C5, NEMA 4X
Image Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/2" Progressive Scan CMOS
Max. Resolution	1920 × 1080	2560 × 1440	1920 × 1080	2688 × 1520	3840 × 2160
Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG	Main stream: H.265/H.264 /H.265+/H.264+ Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
Min. Illumination	Color: 0.003 Lux @ (F1.0, AGC ON)	Color: 0.01 lux @ (F1.2, AGC ON), B/W: 0.001 lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.0005 Lux @(F1.2, AGC ON), B/W: 0.0001 Lux @(F1.2, AGC ON), 0 Lux with IR	Color: 0.0005 Lux @(F1.2, AGC ON), B/W: 0.0001 Lux @(F1.2, AGC ON), 0 Lux with IR	Color: 0.002 Lux @(F1.2, AGC ON), B/W: 0.0002 Lux @(F1.2, AGC ON), 0 Lux with IR
WDR	120 dB	120 dB	120 dB	120 dB	120 dB
Lens	2.8, 4 or 6 mm	4, 6, 8 or 12 mm	2.8-12 mm, 8-32 mm	2.8-12 mm, 8-32 mm	2.8-12 mm, 8-32 mm
FOV	2.8 mm, horizontal FOV 102.5°, vertical FOV 53.4°, diagonal FOV 118.9° 4 mm, horizontal FOV 80.2°, vertical FOV 40.8°, diagonal FOV 93.4° 6 mm, horizontal FOV 52.5°, vertical FOV 27.4°, diagonal FOV 60.2°	4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 99° 6 mm, horizontal FOV 52°, vertical FOV 28°, diagonal FOV 60° 8 mm, horizontal FOV 39°, vertical FOV 22°, diagonal FOV 46° 12 mm, horizontal FOV 25°, vertical FOV 14°, diagonal FOV 28°	2.8 mm to 12 mm, horizontal FOV: 94° to 38°, vertical FOV: 49.9° to 21.3°, diagonal FOV: 112.3° to 43.5° 8 mm to 32 mm, horizontal FOV 42.5° to 15.1°, vertical FOV: 23.4° to 8.6°, diagonal FOV: 49.6° to 17.3°	2.8 mm to 12 mm, horizontal FOV 94° to 38°, vertical FOV 49.9° to 21.3°, diagonal FOV 112.3° to 43.7° 8 mm to 32 mm, horizontal FOV 42.2° to 15.1°, vertical FOV 23.4° to 8.6°, diagonal FOV 49.6° to 17.3°	2.8 to 12 mm, horizontal FOV: 94.8° to 38.2°, vertical FOV: 50° to 21.4°, diagonal FOV: 113° to 43.9° 8 to 32 mm, horizontal FOV: 41.8° to 14.9°, vertical FOV: 22.9° to 8.5°, diagonal FOV: 48.7° to 17.1°
Max. IR Range	N/A	30 m	2.8 mm to 12 mm lens: up to 80 m 8 mm to 32 mm lens: up to 150 m	2.8 mm to 12 mm lens: up to 80 m 8 mm to 32 mm lens: up to 150 m	2.8 to 12 mm: up to 80 m 8 to 32 mm: up to 150 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection Scene change detection, unattended baggage detection, object removal detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection Face detection, scene change detection, defocus detection	Line crossing detection, up to 4 lines configurable Intrusion detection, up to 4 regions configurable Region entrance detection, up to 4 regions configurable Region exiting detection, up to 4 regions configurable Unattended baggage detection, up to 4 regions configurable Object removal detection, up to 4 regions configurable, Scene change detection, defocus detection	Line crossing detection, up to 4 lines configurable Intrusion detection, up to 4 regions configurable Region entrance detection, up to 4 regions configurable Region exiting detection, up to 4 regions configurable Unattended baggage detection, up to 4 regions configurable Object removal detection, up to 4 regions configurable, Scene change detection, defocus detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)) Scene change detection, audio exception detection
Frame Rate	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 ×720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 ×720)	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 24 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)	50 Hz: 20 fps (3840 × 2160, 3072 × 1728) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3840 × 2160, 3072 × 1728) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	3	3	3	3	3
Protection Level	IP68	IK08 (IEC 62262:2002), IP68 (IEC 60529-2013)	IP68	IP68	IP68
Angle Adjustment	Pan: 0° to 340°, tilt: 0° to 75°	-	-	-	-
Operating Temperature	-40°C to 60°C (-40°F to 140°F)	-30°C to +60 °C (-22 °F to +140 °F), Humidity 95% or less (non-condensing)	- 40 °C to +60 °C (-40 °F to +140 °F)	- 40 °C to +60 °C (-40 °F to +140 °F)	- 40 °C to +60 °C (-40 °F to +140 °F)
Operating Humidity	≤ 95%	≤ 95%	≤ 95%	≤ 95%	≤ 95%
Local Storage	128 GB	256 GB	128 GB	128 GB	256 GB
Audio I/O	1 in, 1 out	N/A	1 in, 1 out	1 in, 1 out	1 in, 1 out
Alarm I/O	1 in, 1 out	1 in, 1 out	2 in, 2 out	2 in, 2 out	2 in, 2 out
Installation	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Power Supply	12 VDC ± 20%, 0.8 A, max. 10 W, two-core terminal block PoE (802.3af, Class 3, 36 V to 57 V), 0.3 A to 0.2 A, max. 12.5 W	100 VAC to 240 VAC, 0.15 A, 50/60 Hz, max. 7 W, terminal block PoE: 802.3af, Class 3, 36 to 57 V, 0.3 to 0.2 A	100 VAC to 240 VAC, 0.38 A to 0.18 A, max. 22.6 W, three-core terminal block PoE: 802.3at, 42.5 V to 57 V, 0.56 A to 0.42 A, max. 23.6 W	100 VAC to 240 VAC, 0.38 A to 0.18 A, max. 22.6 W, three-core terminal block PoE: 802.3at, 42.5 V to 57 V, 0.56 A to 0.42 A, max. 23.6 W	100 VAC to 240 VAC, 0.38 A to 0.18 A, max. 22.6 W, three-core terminal block PoE: 802.3at, 42.5 V to 57 V, 0.56 A to 0.42 A, max. 23.6 W

Model	DS-2XE6825G0-(I)(L)Z(H)(S)	DS-2XE6845G0-(I)(L)Z(H)(S)	DS-2XE6885G0-(I)(L)Z(H)(S)
Image	ATEX, IECEx,ULEx, C5, NEMA 4X	ATEX, IECEx,ULEx, C5, NEMA 4X	ATEX, IECEx,ULEx, C5, NEMA 4X
Image Sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2" Progressive Scan CMOS
Max. Resolution	1920 × 1080	2688 × 1520	3840 × 2160
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Min. Illumination	Color: 0.009 Lux @ (F1.2, AGC ON)	Color: 0.009 Lux @ (F1.2, AGC ON)	Color: 0.009 Lux @ (F1.2, AGC ON)
WDR	120 dB	120 dB	120 dB
Lens	2.8-12 mm, 8-32 mm	2.8-12 mm, 8-32 mm	2.8-12 mm, 8-32 mm
FOV	2.8 to 12 mm, horizontal FOV 115° to 42°, vertical FOV 59° to 24°, diagonal FOV 141° to 48°; 8 to 32 mm, horizontal FOV 43° to 15°, vertical FOV 23° to 9°, diagonal FOV 50° to 17°	2.8 to 12 mm, horizontal FOV 115° to 42°, vertical FOV 59° to 24°, diagonal FOV 141° to 48°; 8 to 32 mm, horizontal FOV 43° to 15°, vertical FOV 23° to 9°, diagonal FOV 50° to 17°	2.8 to 12 mm, horizontal FOV 112° to 41°, vertical FOV 58° to 23°, diagonal FOV 137° to 47°; 8 to 32 mm, horizontal FOV 42° to 15°, vertical FOV 23° to 8°, diagonal FOV 49° to 17°
Max. IR Range	-I model: up to 100 m IR range '-L model: up to 30 m whitelight range	-I model: up to 100 m IR range '-L model: up to 30 m whitelight range	-I model: up to 100 m IR range '-L model: up to 30 m whitelight range
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection,Scene change detection, audio exception detection (-S model), defocus detection, Face Capture, Hard Hat Detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection,Scene change detection, audio exception detection (-S model), defocus detection, Face Capture, Hard Hat Detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection,Scene change detection, audio exception detection (-S model), defocus detection, Face Capture, Hard Hat Detection
Frame Rate	50Hz: 50fps (1920 × 1080, 1280 × 720); 60Hz: 60fps (1920 × 1080, 1280 × 720)	50Hz: 25fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720); 60Hz: 30fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720)	50Hz: 25fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720); 60Hz: 30fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)
Multi-Streaming	5	5	5
Protection Level	IP68	IP68	IP68
Angle Adjustment	-	-	-
Operating Temperature	H model: -40 °C to +60 °C (-40 °F to +140 °F) Without -H model: -30 °C to +60 °C (-22 °F to +140 °F)	H model: -40 °C to +60 °C (-40 °F to +140 °F) Without -H model: -30 °C to +60 °C (-22 °F to +140 °F)	H model: -40 °C to +60 °C (-40 °F to +140 °F) Without -H model: -30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	≤ 95%	≤ 95%	≤ 95%
Local Storage	256 GB	256 GB	256 GB
Audio I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out
Alarm I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out
Installation	Outdoor	Outdoor	Outdoor
Power Supply	100 to 240 VAC, PoE (42.5 to 57 V, 802.3 at), terminal block	100 to 240 VAC, PoE (42.5 to 57 V, 802.3 at), terminal block	100 VAC to 240 VAC, three-core terminal block PoE (802.3at, class 4)

PTZ

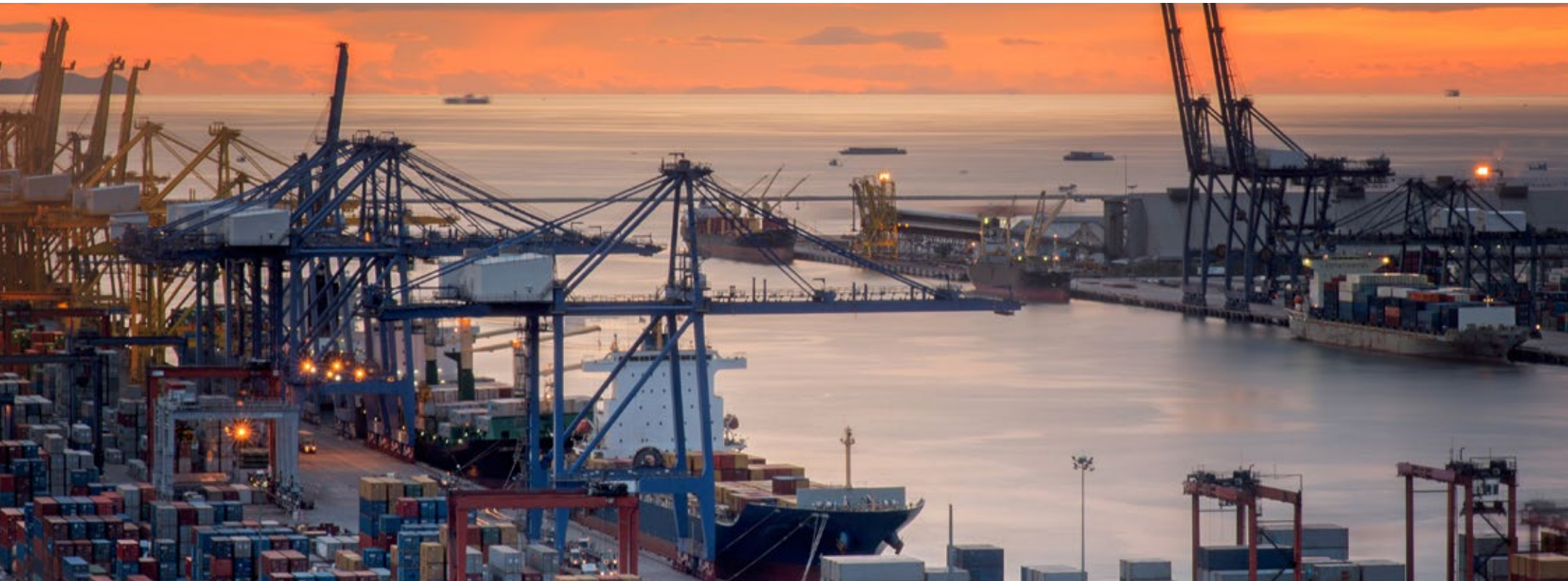
Model	DS-2DB4223I-CX(WE/316L)	DS-2DB4236I-CWX(WE/316L)
Image	DarkFighter X ATEX, IECEx	DarkFighter X ATEX, IECEx
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Resolution	1920 × 1080	1920 × 1080
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Min. Illumination	Color: 0.002 lux @ (F1.5, AGC ON)	Color: 0.002 lux @ (F1.5, AGC ON)
WDR	DWDR	DWDR
Lens	5.9 to 135.7 mm, 23x optical	5.7 to 205 mm, 36x optical
FOV	Horizontal field of view: 59.8° to 3.0° (WideTele) Vertical field of view: 33.6° to1.7° (Wide-Tele) Diagonal field of view: 68.6° to 3.4° (Wide-Tele)	Horizontal field of view: 59.8° to 2.0° (wide-tele) Vertical field of view: 33.6° to1.1° (wide-tele) Diagonal field of view: 68.6° to 2.3° (wide-tele)
Optical Zoom	23x	36x
Max. IR Range	200 m	200 m
VCA	Intrusion Detection, Line Crossing Detection, Audio Exception Detection	Intrusion Detection, Line Crossing Detection, Audio Exception Detection
Frame Rate	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3
Protection Level	IP68 Standard; TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP68 Standard; TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Angle Adjustment	-	-
Operating Temperature	-40°C to 60°C (-40° F to 140° F)	-40°C to 60°C (-40° F to 140° F)
Humidity	≤ 95%	≤ 95%
Local Storage	128 GB	128 GB
Indoor/Outdoor	Outdoor	Outdoor
Audio I/O	1/1	1/1
Alarm I/O	1/1	1/1
Power	100 VAC to 240 VAC & PoE+ (IEEE802.3at class4) Max. 25 W	100 VAC to 240 VAC & PoE+ (IEEE802.3at class4) Max. 25 W
Interface	1× RJ45 10 M/100 M Ethernet interface	1× RJ45 10 M/100 M Ethernet interface

Model	DS-2DY9236I-CWX (W/316L)	DS-2DF6223-CX (W316L)	DS-2DF4220-DX	DS-2DF4420-DX(S6/316L)	DS-2DF4220-DX(S6/316L)
Image	ATEX, IECEx,NEMA 4X	ATEX, IECEx,NEMA 4X	NEW ATEX, IECEx, C5, NEMA 4X	NEW ATEX, IECEx	HOT ATEX, IECEx
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080	1920 × 1080	1920 × 1080	2560 × 1440	1920 × 1080
Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG	Main Stream: H.265+ / H.265 / H.264+ / H.264	H.265+ / H.265 / H.264+ / H.264 / MJPEG	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Min. Illumination	color: 0.0005 Lux @ (F1.2, AGC ON), B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.0005 Lux @ (F1.5, AGC ON) B/W: 0.0001 Lux @ (F1.5, AGC ON)	Color: 0.0005 Lux @ (F1.5, AGC ON) B/W: 0.0001 Lux @ (F1.5, AGC ON)	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON)	color: 0.005Lux @ (F1.6, AGC ON) B/W: 0.001Lux @ (F1.6, AGC ON)
WDR	120 dB	120 dB	120 dB	120dB	120dB
Lens	6.0-216 mm, 36 × optical	5.9 mm to 135.7 mm, 23 × optical zoom	5.9 mm to 182.9 mm, 31 × optical zoom	4.8 mm to 96 mm, 20 × optical zoom	4.8 mm to 96 mm, 20 × optical
FOV	Horizontal field of view: 59° to 1.98° (wide-tele) Vertical field of view: 34.16° to 1.12° (wide-tele) Diagonal field of view: 67.1° to 2.3° (wide-tele)	Horizontal field of view: 58.5° to 3° (wide-tele) Vertical field of view: 34° to 1.7° (wide-tele) Diagonal field of view: 65.8° to 3.5° (wide-tele)	Horizontal field of view: 58.5° to 2.4° (wide-tele) Vertical field of view: 34° to 1.3° (wide-tele) Diagonal field of view: 65.8° to 2.7° (wide-tele)	Horizontal field of view: 55° to 2.6°, vertical field of view: 30.6° to 1.5°, diagonal field of view: 60.5° to 3.0°	Horizontal field of view: 57.6° to 3.4° (wide-tele), Vertical field of view: 34.4° to 2° (wide-tele), Diagonal field of view: 64.5° to 3.9° (wide-tele)
Max. IR Range	150 m	-	-	-	-
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection,Face Capture	intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection,Face Capture	intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection,Face Capture	intrusion detection, Line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, Face detection	intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection,face detection
Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720);	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720);	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)
Multi-Streaming	3	3	3		3
Protection Level	IP68, TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP68, 4000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP68, 4000V Lightning Protection, Surge Protection and Voltage Transient Protection	IP68 (IEC 60529-2013), TVS 6000 V lightning protection, surge protection and voltage transient protection	IP68, TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Angle Adjustment	360° endless From -90° to 90° (auto flip)	-	-	-	-
Operating Temperature	-40°C to 60°C (-40°F to 140°F)	-40°C to 60°C (-40°F to 140°F)	-40°C to 60°C (-40°F to 140°F)	-30°C to 60°C (-22°F to 140°F)	-30°C to 60°C (-22°F to 140°F)
Operating Humidity	≤ 90%	≤ 95%	≤ 95%	≤ 95%	≤ 95%
Local Storage	256GB	256GB	256GB	256GB	256 GB
Audio I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	-	-
Alarm I/O	7-ch alarm input and 2-ch alarm output	7 in, 2 out	7 in, 2 out	1 in, 1 out	1 in, 1 out
Installation	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Power Supply	100 VAC to 240 VAC Max.: 100 W (Max. 15 W for IR)	100 VAC to 240 VAC, Max.: 60 W	100 VAC to 240 VAC, Max.: 60 W	12 VDC ± 25%, max. 7 W, PoE (802.3af), Class A, 36 to 57 V, max. 7 W	DC9 V to 12 V, Max. 7 W; PoE

Anti-Corrosion Series

The Best Choice for Critical Industry Applications

- Anti-corrosion certification: NEMA-4X, C5
- 316L Stainless Steel housing or anticorrosive coating
- DarkFighter technology
- Deep learning perimeter protection and face capture
- H.265+/H.265 codec



Camera

Model	DS-2XC6625G0-IZHRS	DS-2XC6645G0-IZHRS	DS-2XC6685G0-IZHRS
Image	NEMA 4X, C5	NEMA 4X, C5	NEMA 4X, C5
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/2" Progressive Scan CMOS
Max. Resolution	1920 × 1080	2688 × 1520	3840 × 2160
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Min. Illumination	Color: 0.0005 Lux @(F1.2, AGC ON) B/W: 0.0001 Lux @(F1.2, AGC ON), 0 Lux with IR	Color: 0.0005 Lux @(F1.2, AGC ON) B/W: 0.0001 Lux @(F1.2, AGC ON), 0 Lux with IR	"Color: 0.002 Lux @(F1.2, AGC ON) B/W: 0.0002 Lux @(F1.2, AGC ON), 0 Lux with IR
WDR	120 dB	120 dB	120 dB
Lens	2.8 to 12 mm, 8 to 32mm	2.8 to 12 mm, 8 to 32mm	2.8 to 12 mm, 8 to 32mm
FOV	2.8 – 12 mm, F1.4: horizontal field of view, 94.2° to 38.1° 8 – 32 mm, F1.7: horizontal field of view, 42.2° to 15.1°	2.8 – 12 mm, F1.4: horizontal field of view, 94.2° to 38.1° 8 – 32 mm, F1.4: horizontal field of view, 42.2° to 15.1°	2.8 – 12 mm, F1.4: horizontal field of view, 94.8° to 38.2° 8 – 32 mm, F1.4: horizontal field of view, 41.8° to 14.9°
Max. IR Range	2.8-12 mm: 80 m 8-32 mm: 150 m	2.8-12 mm: 80 m 8-32 mm: 150 m	2.8-12 mm: 80 m 8-32 mm: 150 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection
Frame Rate	50Hz: 50fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)	50 Hz: 20fps (3840 × 2160, 3072 × 1728), 25fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20fps (3840 × 2160, 3072 × 1728), 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	3	3	3
Protection Level	IP67	IP67	IP67
Angle Adjustment	-	-	-
Operating Temperature	-	-	-
Operating Humidity	-	-	-
Local Storage	256 GB	256 GB	256 GB
Audio I/O	-	-	-
Alarm I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out
Installation	Outdoor	Outdoor	Outdoor
Power Supply	AC: 24V±20%; PoE: 802.3at	AC: 24V±20%; PoE: 802.3at	AC: 24V±20%; PoE: 802.3at

PTZ

Model	DS-2DT6232X-AELY(T5)
Image	DarkFighter NEMA 4X, C5
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080
Video Compression	H.264 / MJPEG / MPEG4
Min. Illumination	Color: 0.002 Lux @ (F1.5, AGC ON), B/W: 0.0002 Lux @ (F1.5, AGC ON)
WDR	v 140 dB
Lens	5.9 mm to 188.8 mm, 32 × Optical
FOV	Horizontal field of view: 59.8° to 3.3° (wide-tele), Vertical field of view: 33.7° to 1.9° (wide-tele), Diagonal field of view: 65° to 3.8° (wide-tele)
Max. IR Range	-
VCA	intrusion detection,line crossing detection,region entrance detection,region exiting detection,loitering detection,people gathering detection,fast moving detection,parking detection,unattended baggage detection,object removal detection,vandal-proof alarm,audio exception detection,Face capture
Frame Rate	50Hz:25fps(1920×1080,1280×960,1280×720) 60Hz:30fps(1920×1080,1280×960,1280×720)
Multi-Streaming	3
Protection Level	Lightning Protection, Surge Protection and Voltage Transient Protection,±6kV Line to Gnd, ±3kV Line to Line,IEC61000-4-5,IP67 Standard,IK10
Operating Temperature	-40° C to 65° C (-40° F to 149° F)
Operating Humidity	≤ 95%
Local Storage	256 GB
Audio I/O	1/1
Alarm I/O	7/2
Installation	Outdoor
Power Supply	24 VAC Hi-PoE

NVR

061 DeepinMind Series

067 Ultra Series

071 Pro Series

074 Workstation Series

DeepinMind Series NVR

Deeper Intelligence for Expansive Security

- Embedded industry-leading Deep Learning algorithms
- GPU-based designs
- Intelligent analytics and advanced storage in one
- Fast and accurate facial, human body, vehicle, and behavior recognition, and perimeter protection

96 Series

Model	iDS-96128NXI-I24	iDS-96128NXI-I16	iDS-96064NXI-I16	iDS-9664NXI-I16/X	iDS-9632NXI-I16/X
Image	HOT DeepinMind	HOT DeepinMind	HOT DeepinMind	HOT DeepinMind	HOT DeepinMind
Hardware Platform	Quad-Core Intel® Xeon® E3	Quad-Core Intel® Xeon® E3	Dual-Core Intel® Core® I3	Quad-core embedded processor	Quad-core embedded processor
No. of Channels	128-ch	128-ch	64-ch	64-ch	32-ch
Decoding Format	H.265+ / H.265 / H.264+ / H.264 / MJPEG / MPEG4	H.265+ / H.265 / H.264+ / H.264 / MJPEG / MPEG4	H.265+ / H.265 / H.264+ / H.264 / MJPEG / MPEG4	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4
Incoming/Outgoing Bandwidth	512 Mbps / 512 Mbps	512 Mbps / 512 Mbps	400 Mbps / 400 Mbps	RAID enabled: 200 Mbps/200 Mbps RAID disabled: 320 Mbps/256 Mbps	RAID enabled: 200 Mbps/200 Mbps RAID disabled: 320 Mbps/256 Mbps
Decoding Capacity	1-ch@32 MP (30 fps)/5-ch@8 MP (30 fps)/10-ch@4 MP (30 fps)/20-ch@1080p (30 fps)/40-ch@720p (30 fps)	1-ch@32 MP (8160 × 3616, 30 fps)/5-ch@8 MP(30 fps)/10-ch@4 MP(30 fps)/20-ch@1080p(30 fps)/40-ch@720p(30 fps)	1-ch@32 MP (30 fps)/5-ch@8 MP (30 fps)/10-ch@4 MP (30 fps)/20-ch@1080p (30 fps)/40-ch@720p (30 fps)	1-ch@32 MP (30 fps)/16-ch@1080p (30 fps)	1-ch@32 MP (30 fps)/16-ch@1080p (30 fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p /VGA/4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 to 4 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p /VGA/4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 to 4 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p /VGA/4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 to 4 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF /2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF /2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.
Display	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 2 VGA	2 HDMI / 2 VGA
LCD	7-inch LCD	7-inch LCD	-	-	-
Storage Capacity	-	16 SATA interfaces supporting hot-plug Up to 10 TB capacity for each HDD	16 SATA interfaces supporting hot-plug Up to 10 TB capacity for each HDD	16 SATA interfaces supporting hot-plug Up to 10 TB capacity for each HDD	16 SATA interfaces supporting hot-plug Up to 10 TB capacity for each HDD
eSATA / Mini SAS	1 eSATA interface / 2 mini SAS interfaces	1 eSATA interface / 2 mini SAS interfaces	1 eSATA interface	1 eSATA interface	1 eSATA interface
RAID Type	RAID0, RAID1, RAID5, RAID6, and RAID10 (at least 4 TB for each HDD)	RAID0, RAID1, RAID5, RAID6, and RAID10 (at least 4 TB for each HDD)	RAID0, RAID1, RAID5, RAID6, and RAID10 (at least 4 TB for each HDD)	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10
Video Output	VGA: 1-ch, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI: 4K (4096 × 2160)/30Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA: 1-ch, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI: 4K (4096 × 2160)/30Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA: 1-ch, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI: 4K (4096 × 2160)/30Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA1: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2/HDM2 :1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA1: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2/HDM2 :1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Audio Output	1-ch, RCA (2.0 Vp-p, 1 KΩ)	1-ch, RCA (2.0 Vp-p, 1 KΩ)	1-ch, RCA (2.0 Vp-p, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)
Alarm I/O	48/24 (main board: 16/8; extension board: 32/16)	48/24 (main board: 16/8; extension board: 32/16)	16/8	16/8	16/8
Network Interface	4, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	4, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	4, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE Port	-	-	-	-	-
USB Port	Front panel: 1 × USB 2.0; Rear panel: 2 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Smart Function	Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; VCA search for facial detection, false alarm reduction Video Structuralization	Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; VCA search for facial detection, false alarm reduction Video Structuralization	Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; VCA search for facial detection, false alarm reduction Video Structuralization"	Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; VCA search for facial detection, false alarm reduction Video Structuralization	Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; VCA search for facial detection, false alarm reduction Video Structuralization
Power Consumption (without HDD)	≤ 140 W	≤ 140 W	≤ 140 W	≤ 70 W	≤ 70 W
Description	64 libraries with 500,000 face pictures in total Face picture comparison and alarm linkage actions for up to 96 channels False alarm reduction for up to 96 channels 2MP Up to 48-ch 2MP Video Structuralization	64 libraries with 500,000 face pictures in total Face picture comparison and alarm linkage actions for up to 96 channels False alarm reduction for up to 96 channels 2MP Up to 48-ch 2MP Video Structuralization	64 libraries with 500,000 face pictures in total Face picture comparison and alarm linkage actions for up to 48 channels False alarm reduction for up to 48 channels 2MP Up to 24-ch 2MP Video Structuralization	32 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels False alarm reduction for up to 16 channels 4MP Up to 8-ch 2MP Video Structuralization	32 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels False alarm reduction for up to 16 channels 4MP Up to 8-ch 2MP Video Structuralization

Model	iDS-9616NXI-I16/X	iDS-9664NXI-I8/X	iDS-9632NXI-I8/X	iDS-9616NXI-I8/X	iDS-9632NXI-I8_BA
Image	HOT DeepinMind	HOT DeepinMind	HOT DeepinMind	HOT DeepinMind	HOT DeepinMind
Hardware Platform	Quad-core embedded processor	Quad-core embedded processor	Quad-core embedded processor	Quad-core embedded processor	Quad-core embedded processor
No. of Channels	16-ch	64-ch	32-ch	16-ch	32-ch
Decoding Format	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4
Incoming/Outgoing Bandwidth	RAID enabled: 200 Mbps/200 Mbps RAID disabled: 320 Mbps/256 Mbps	RAID enabled: 200 Mbps/200 Mbps RAID disabled: 320 Mbps/256 Mbps	RAID enabled: 200 Mbps/200 Mbps RAID disabled: 320 Mbps/256 Mbps	RAID enabled: 200 Mbps/200 Mbps RAID disabled: 256 Mbps/256 Mbps	RAID enabled: 200 Mbps/200 Mbps RAID disabled: 320 Mbps/256 Mbps
Decoding Capacity	1-ch@32 MP (30 fps)/16-ch@1080p (30 fps)	1-ch@32 MP (30 fps)/16-ch@1080p (30 fps)	1-ch@32 MP (30 fps)/16-ch@1080p (30 fps)	1-ch@32 MP (30 fps)/16-ch@1080p (30 fps)	1-ch@32 MP (30 fps)/16-ch@1080p (30 fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF /2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF /2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF /2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF /2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF /2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.
Display	2 HDMI / 2 VGA	2 HDMI / 2 VGA	2 HDMI / 2 VGA	2 HDMI / 2 VGA	2 HDMI / 2 VGA
LCD	-	-	-	-	-
Storage Capacity	16 SATA interfaces supporting hot-plug Up to 10 TB capacity for each HDD	8 SATA interfaces supporting hot-plug Up to 10 TB capacity for each HDD	8 SATA interfaces supporting hot-plug Up to 10 TB capacity for each HDD	8 SATA interfaces supporting hot-plug Up to 10 TB capacity for each HDD	8 SATA interfaces supporting hot-plug Up to 10 TB capacity for each HDD
eSATA / Mini SAS	1 eSATA interface	1 eSATA interface	1 eSATA interface	1 eSATA interface	1 eSATA interface
RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10
Video Output	VGA1: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2/HDM2 :1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA1: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2/HDM2 :1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA1: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2/HDM2 :1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA1: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2/HDM2 :1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA1: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2/HDM2 :1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Audio Output	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)
Alarm I/O	16/8	16/8	16/8	16/8	16/8
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE Port	-	-	-	-	-
USB Port	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Smart Function	Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; VCA search for facial detection, false alarm reduction Video Structuralization	Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; VCA search for facial detection, false alarm reduction Video Structuralization	Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; VCA search for facial detection, false alarm reduction Video Structuralization	Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; VCA search for facial detection, false alarm reduction Video Structuralization	Deep learning based video analytics for not wearing hard hat detection and behavior analysis, including people running detection, people gathering detection, violent motion detection, using mobile phone detection, etc.
Power Consumption (without HDD)	≤ 70 W	≤ 70 W	≤ 70 W	≤ 70 W	≤ 70 W
Description	32 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels False alarm reduction for up to 16 channels 4MP Up to 8-ch 2MP Video Structuralization	32 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels False alarm reduction for up to 16 channels 4MP Up to 8-ch 2MP Video Structuralization	32 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels False alarm reduction for up to 16 channels 4MP Up to 8-ch 2MP Video Structuralization	32 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels False alarm reduction for up to 16 channels 4MP Up to 8-ch 2MP Video Structuralization	Up to 8-ch 4MP , facial recognition is supported for people not wearing hard hat; Up to 8-ch 4MP, including absence detection, staying overtime detection, number of people exception detection, and playing mobile phone detection; Up to 8-ch 4MP, including people gathering detection, people running detection, physical conflict detection, and people falling down detection; Up to 8-ch 4MP, including people counting statistics and regional people counting

Model	iDS-7716NXI-I4/X	iDS-7716NXI-I4/16P/X	iDS-7732NXI-I4/X	iDS-7732NXI-I4/16P/X
Image	HOT DeepinMind	HOT DeepinMind	HOT DeepinMind	HOT DeepinMind
Hardware Platform	Quad-core embedded processor	Quad-core embedded processor	Quad-core embedded processor	Quad-core embedded processor
Channel No.	16-ch	16-ch	32-ch	32-ch
Decoding Format	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4
Incoming/Outgoing Bandwidth	320 Mbps / 256 Mbps	320 Mbps / 256 Mbps	320 Mbps / 256 Mbps	320 Mbps / 256 Mbps
Decoding Capacity	1-ch@32 MP (30 fps)/16-ch@1080p (30 fps)	16-ch @ 1080p (30 fps)	1-ch@32 MP (30 fps)/16-ch@1080p (30 fps)	16-ch @ 1080p (30 fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF
Display	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 1 VGA
LCD	-	-	-	-
Storage Capacity	4 SATA interfaces Up to 10 TB capacity for each HDD	4 SATA interfaces Up to 10 TB capacity for each HDD	4 SATA interfaces Up to 10 TB capacity for each HDD"	4 SATA interfaces Up to 10 TB capacity for each HDD"
eSATA / Mini SAS	1 eSATA interface	1 eSATA interface	1 eSATA interface	1 eSATA interface
RAID Type	-	-	-	-
Video Output	VGA:1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI1/VGA Simultaneous Output HDMI1:1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2:1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA:1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI1/VGA Simultaneous Output HDMI1:1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2:1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA:1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI1/VGA Simultaneous Output HDMI1:1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2:1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz"	VGA:1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI1/VGA Simultaneous Output HDMI1:1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2:1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz"
Audio Output	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)
Alarm I/O	16/8	16/8	16/8	16/8
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE Port	-	16, RJ-45 10/100 Mbps self-adaptive Ethernet interface	-	16, RJ-45 10/100 Mbps self-adaptive Ethernet interface
USB Port	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Smart Function	λλ Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; λ VCA search for facial detection, false alarm reduction; Video Structuralization	λλ Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; λ VCA search for facial detection, false alarm reduction; Video Structuralization	λλDeep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; λ VCA search for facial detection, false alarm reduction; Video Structuralization	λλ Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; λ VCA search for facial detection, false alarm reduction; Video Structuralization
Power Consumption (without HDD)	≤ 30 W	≤ 30 W	≤ 30 W	≤ 30 W
Description	16 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels Up to 16-ch 4 MP video analysis for human and vehicle recognition to reduce false alarms Up to 8-ch 2MP Video Structuralization	16 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels Up to 16-ch 4 MP video analysis for human and vehicle recognition to reduce false alarms Up to 8-ch 2MP Video Structuralization	16 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels Up to 16-ch 4 MP video analysis for human and vehicle recognition to reduce false alarms Up to 8-ch 2MP Video Structuralization	16 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels Up to 16-ch 4 MP video analysis for human and vehicle recognition to reduce false alarms Up to 8-ch 2MP Video Structuralization

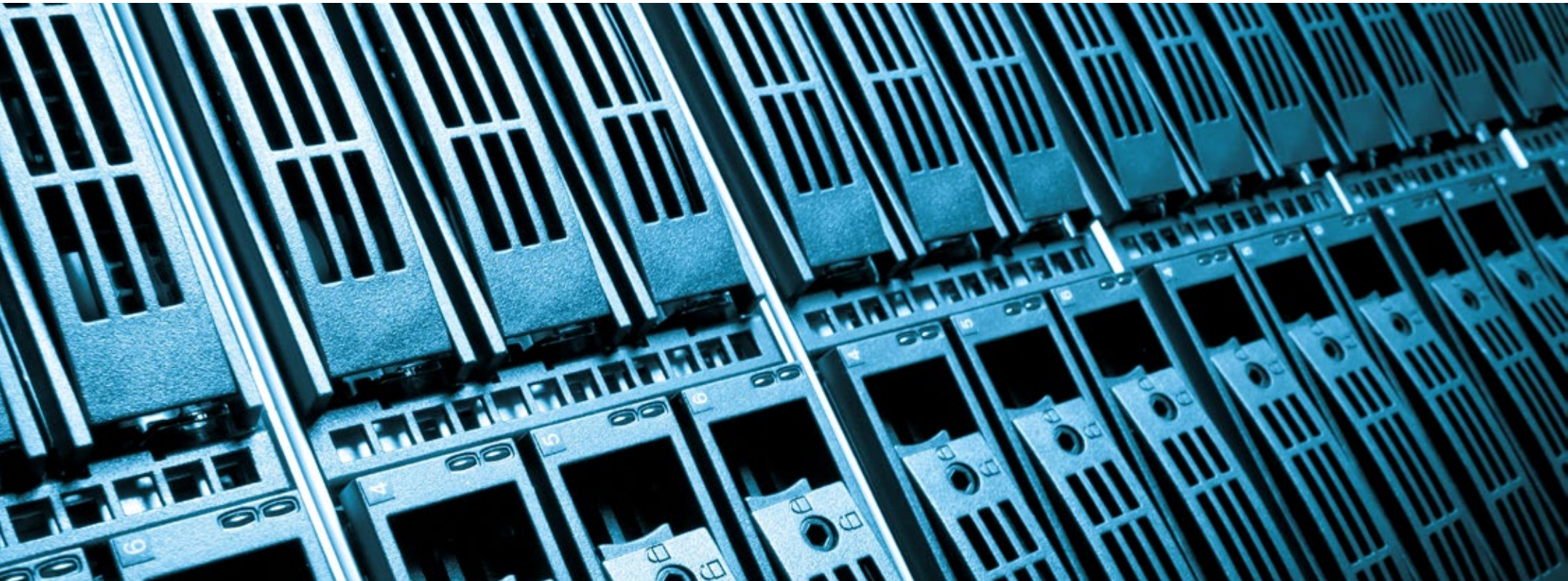
Model	iDS-7608NXI-I2/X	iDS-7608NXI-I2/8P/X	iDS-7616NXI-I2/X	iDS-7616NXI-I2/16P/X
Image	DeepinMind	DeepinMind	DeepinMind	DeepinMind
Hardware Platform	Quad-core embedded processor	Quad-core embedded processor	Quad-core embedded processor	Quad-core embedded processor
Channel No.	8-ch	8-ch	16-ch	16-ch
Decoding Format	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4
Incoming/Outgoing Bandwidth	320 Mbps / 256 Mbps	320 Mbps / 256 Mbps	320 Mbps / 256 Mbps	320 Mbps / 256 Mbps
Decoding Capacity	1-ch@32 MP (30 fps)/16-ch@1080p (30 fps)	16-ch@1080p (30 fps)	1-ch@32 MP (30 fps)/16-ch@1080p (30 fps)	16-ch@1080p (30 fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF
Display	1 HDMI / 1 VGA / 1 CVBS	1 HDMI / 1 VGA / 1 CVBS	1 HDMI / 1 VGA / 1 CVBS	1 HDMI / 1 VGA / 1 CVBS
LCD	-	-	-	-
Storage Capacity	2 SATA interfaces Up to 10 TB capacity for each HDD	2 SATA interfaces Up to 10 TB capacity for each HDD	2 SATA interfaces Up to 10 TB capacity for each HDD	2 SATA interfaces Up to 10 TB capacity for each HDD
eSATA / Mini SAS	-	-	-	-
RAID Type	-	-	-	-
Video Output	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI/VGA independent output HDMI: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz CVBS: 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI/VGA independent output HDMI: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz CVBS: 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI/VGA independent output HDMI: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz CVBS: 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI/VGA independent output HDMI: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz CVBS: 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
Audio Output	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)
Alarm I/O	4/1	4/1	4/1	4/1
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE Port	-	8, RJ-45 10/100 Mbps self-adaptive Ethernet interface	-	16, RJ-45 10/100 Mbps self-adaptive Ethernet interface
USB Port	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0
Smart Function	λλ Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; λ VCA search for facial detection, false alarm reduction; Video Structuralization	λλ Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; λ VCA search for facial detection, false alarm reduction; Video Structuralization	λλ Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; λ VCA search for facial detection, false alarm reduction; Video Structuralization	λλ Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; λ VCA search for facial detection, false alarm reduction; Video Structuralization
Power Consumption (without HDD)	≤ 30 W	≤ 30 W	≤ 30 W	≤ 30 W
Description	16 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 8 channels Up to 8-ch 4 MP video analysis for human and vehicle recognition to reduce false alarms Up to 4-ch 2MP Video Structuralization	16 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 8 channels Up to 8-ch 4 MP video analysis for human and vehicle recognition to reduce false alarms Up to 4-ch 2MP Video Structuralization	16 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels Up to 8-ch 4 MP video analysis for human and vehicle recognition to reduce false alarms Up to 4-ch 2MP Video Structuralization	16 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels Up to 8-ch 4 MP video analysis for human and vehicle recognition to reduce false alarms Up to 4-ch 2MP Video Structuralization

Model	iDS-6716NXI-I/S	iDS-6708NXI-I/FA	iDS-6704NXI-I/BA
Image	DeepinMind	DeepinMind	DeepinMind
Hardware Platform	Quad-core embedded processor	Quad-core embedded processor	Quad-core embedded processor
Channel No.	16-ch	8-ch	4-ch
Decoding Format	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4
Incoming/Outgoing Bandwidth	320 Mbps / 256 Mbps	128 Mbps / 128 Mbps	320 Mbps / 256 Mbps
Decoding Capacity	16-ch @ 1080p (30 fps)	8-ch@1080p (30 fps)	4-ch@8 MP (30 fps)
Recording Resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF /2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.
Display	-	1 HDMI / 1 VGA	1 HDMI / 1 VGA
LCD	-	-	-
Storage Capacity	1 SATA interface 1 built-in 3.5-inch 2 TB SATA hard disk	1 SATA interface 1 built-in 3.5-inch 2 TB SATA hard disk	1 SATA interface 1 built-in 3.5-inch 2 TB SATA hard disk
eSATA/Mini SAS	-	-	-
RAID Type	-	-	-
Video Output	-	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI/VGA independent output HDMI: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI/VGA independent output HDMI: 1-ch, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Audio Output	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)
Alarm I/O	16/4	4/1	4/1
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE Port	-	-	-
USB Port	-	Rear panel: 1 × USB 3.0, 1 × USB 2.0	Rear panel: 1 × USB 3.0, 1 × USB 2.0
Smart Function	λλ Deep learning based video analytics for false alarm reduction; λ VCA search for false alarm reduction	λλ Deep learning based video analytics for facial recognition and face picture comparison	Deep learning based video analytics for not wearing hard hat detection and behavior analysis, including people running detection, people gathering detection, violent motion detection, using mobile phone detection, etc.
Power Consumption (without HDD)	≤ 30 W	≤ 30 W	≤ 30 W
Description	Up to 16-ch 4 MP video analysis for human and vehicle recognition to reduce false alarms	16 libraries with 100,000 face pictures in total; Face picture comparison and alarm linkage actions for up to 8 channels	Up to 4-ch 4MP, facial recognition is supported for people not wearing hard hat 16 libraries 100000 pictures Up to 4-ch 4MP, including absence detection, staying overtime detection, number of people exception detection, and playing mobile phone detection Up to 4-ch 4MP, including people gathering detection, people running detection, physical conflict detection, and people falling down detection Up to 4-ch 4MP, including people counting statistics and regional people counting

Ultra Series NVR

Superior Storage and Robust Recording

- H.265+/H.265, H.264+/H.264, MPEG4 self-adapting decoding
- Advanced streaming technology enables a smooth live feed even under imperfect network conditions
- Supports RAID 0, 1, 5, 6, 10 and N+M hot spare for even more reliable data storage, effectively reducing data loss risks
- Supports people counting cameras, automatic number plate recognition (ANPR) cameras, fisheye cameras, PanoVu camera and point-of-sale (POS) text overlay
- Supports IoT systems (CCTV and Non-CCTV convergence)



Model	DS-96256NI-I24/H	DS-96256NI-I24	DS-96128NI-I24/H	DS-96128NI-I24	DS-96256NI-I16
Image			HOT	HOT	
Hardware Platform	Intel Xeon E3 Quad-Core processor	Intel Xeon E3 Quad-Core processor	Intel Xeon E3 Quad-Core processor	Intel Core I3 Dual-Core processor	Intel Xeon E3 Quad-Core processor
Channel No.	256-ch	256-ch	128-ch	128-ch	256-ch
Decoding Format	H.265, H.265+, H.264, H.264+, MPEG4, MJPEG (for Hikvision IP camera only)	H.265, H.265+, H.264, H.264+, MPEG4, MJPEG (for Hikvision IP camera only)	H.265, H.265+, H.264, H.264+, MPEG4, MJPEG (for Hikvision IP camera only)	H.265, H.265+, H.264, H.264+, MPEG4, MJPEG (for Hikvision IP camera only)	H.265, H.265+, H.264, H.264+, MPEG4, MJPEG (for Hikvision IP camera only)
Incoming/Outgoing Bandwidth	768 Mbps / 768 Mbps 768 Mbps / 768 Mbps (RAID mode)	768 Mbps / 768 Mbps 768 Mbps / 768 Mbps (RAID mode)	768 Mbps / 512 Mbps 768 Mbps / 512 Mbps (RAID mode)	576 Mbps / 512 Mbps 576 Mbps / 512 Mbps (RAID mode)	768 Mbps / 768 Mbps 768 Mbps / 768 Mbps (RAID mode)
Decoding Capacity	20-ch @ 1080p	20-ch @ 1080p	20-ch @ 1080p	20-ch @ 1080p	20-ch @ 1080p
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1-4 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1-4 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1-4 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1-4 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1-4 when ultra HD resolution mode is enabled.
Display	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 1 VGA
Video Output	HDMI:Two independent HDMI outputs of 4K resolution. Resolution: 4K (4096 × 2160), 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz VGA:1-ch. Resolution: 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz	HDMI:Two independent HDMI outputs of 4K resolution. Resolution: 4K (4096 × 2160), 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz VGA:1-ch. Resolution: 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz	HDMI:Two independent HDMI outputs of 4K resolution. Resolution: 4K (4096 × 2160), 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz VGA:1-ch. Resolution: 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz	HDMI:Two independent HDMI outputs of 4K resolution. Resolution: 4K (4096 × 2160), 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz VGA:1-ch. Resolution: 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz	HDMI:Two independent HDMI outputs of 4K resolution. Resolution: 4K (4096 × 2160), 4K (3840 ×2160)/30Hz, 2K (2560 × 1440)/60Hz, 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz VGA:1-ch. Resolution: 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz
LCD	One 7 inch LCD (Optional)	One 7 inch LCD (Optional)	One 7 inch LCD (Optional)	One 7 inch LCD (Optional)	One 7 inch LCD (Optional)
Storage Capacity	24 SATA interfaces supporting hot-plug Up to 10 TB for each HDD	24 SATA interfaces supporting hot-plug Up to 10 TB for each HDD	24 SATA interfaces supporting hot-plug Up to 10 TB for each HDD	24 SATA interfaces supporting hot-plug Up to 10 TB for each HDD	16 SATA interfaces supporting hot-plug Up to 10 TB for each HDD
eSATA / Mini SAS	1 × eSATA interface, 2 × mini SAS interface (optional)	1 × eSATA interface, 2 × mini SAS interface (optional)	1 × eSATA interface, 2 × mini SAS interface (optional)	1 × eSATA interface, 2 × mini SAS interface (optional)	1 × eSATA interface, 2 × mini SAS interface (optional)
RAID Type	RAID0, RAID1, RAID5, RAID 6, and RAID10	RAID0, RAID1, RAID5, RAID 6, and RAID10	RAID0, RAID1, RAID5, RAID 6, and RAID10	RAID0, RAID1, RAID5, RAID 6, and RAID10	RAID0, RAID1, RAID5, RAID 6, and RAID10
Audio Output	1-ch. RCA (2.0 Vp-p, 1 KΩ)	1-ch. RCA (2.0 Vp-p, 1 KΩ)	1-ch. RCA (2.0 Vp-p, 1 KΩ)	1-ch. RCA (2.0 Vp-p, 1 KΩ)	1-ch. RCA (2.0 Vp-p, 1 KΩ)
Alarm I/O	16/8	16/8	16/8	16/8	16/8
Network Interface	4, RJ45 10M/100M/1000M self-adaptive Ethernet interface	4, RJ45 10M/100M/1000M self-adaptive Ethernet interface	4, RJ45 10M/100M/1000M self-adaptive Ethernet interface	4, RJ45 10M/100M/1000M self-adaptive Ethernet interface	4, RJ45 10M/100M/1000M self-adaptive Ethernet interface
PoE Port	-	-	-	-	-
USB Port	Front Panel: 1 × USB 2.0; Rear Panel: 2 × USB 3.0	Front Panel: 1 × USB 2.0; Rear Panel: 2 × USB 3.0	Front Panel: 1 × USB 2.0; Rear Panel: 2 × USB 3.0	Front Panel: 1 × USB 2.0; Rear Panel: 2 × USB 3.0	Front Panel: 2 × USB 2.0; Rear Panel: 2 × USB 3.0
Smart Function	Face detection, behavior analysis, people counting and heat map	Face detection, behavior analysis, people counting and heat map	Face detection, behavior analysis, people counting and heat map	Face detection, behavior analysis, people counting and heat map	Face detection, behavior analysis, people counting and heat map
Power Consumption (without HDD)	≤ 140W	≤ 140W	≤ 140W	≤ 140W	≤ 140W
Description	-	-	-	-	-

Model	DS-96256NI-I16/H	DS-96128NI-I16	DS-96128NI-I16/H	DS-96064NI-I16	DS-9664NI-I16	DS-9632NI-I16
Image		HOT	HOT			
Hardware Platform	Intel Xeon E3 Quad-Core processor	Intel Core I3 Dual-Core processor	Intel Core I3 Dual-Core processor	Intel Pentium Dual-Core processor	Quad-core embedded processor	Quad-core embedded processor
Channel No.	256-ch	128-ch	128-ch	64-ch	64-ch	32-ch
Decoding Format	H.265, H.265+, H.264, H.264+, MPEG4, MJPEG (for Hikvision IP camera only)	H.265, H.265+, H.264, H.264+, MPEG4, MJPEG (for Hikvision IP camera only)	H.265, H.265+, H.264, H.264+, MPEG4, MJPEG (for Hikvision IP camera only)	H.265, H.265+, H.264, H.264+, MPEG4, MJPEG (for Hikvision IP camera only)	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4
Incoming/Outgoing Bandwidth	768 Mbps / 768 Mbps 768 Mbps / 768 Mbps (RAID mode)	576 Mbps / 512 Mbps 576 Mbps / 512 Mbps (RAID mode)	768 Mbps / 512 Mbps 768 Mbps / 512 Mbps (RAID mode)	512 Mbps / 512 Mbps 512 Mbps / 400 Mbps (RAID mode)	320 Mbps / 256 Mbps 200 Mbps / 200 Mbps (RAID mode)	320 Mbps / 256 Mbps 200 Mbps / 200 Mbps (RAID mode)
Decoding Capacity	20-ch @ 1080p	20-ch @ 1080p	20-ch @ 1080p	20-ch @ 1080p	2-ch @ 12 MP (20 fps) / 4-ch @ 8 MP (25 fps) / 8-ch @ 4 MP (30 fps) / 16-ch @ 1080p (30 fps)	2-ch @ 12 MP (20 fps) / 4-ch @ 8 MP (25 fps) / 8-ch @ 4 MP (30 fps) / 16-ch @ 1080p (30 fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/ VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1-4 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/ VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1-4 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/ VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1-4 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/ VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1-4 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/ VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/ VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.
Display	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 2 VGA	2 HDMI / 2 VGA
Video Output	HDMI:Two independent HDMI outputs of 4K resolution. Resolution: 4K (4096 × 2160), 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz VGA:1-ch. Resolution: 1080p (1920 × 1080) /60Hz, UXGA (1600 × 1200) /60Hz, SXGA (1280 × 1024) /60Hz, 720p (1280 × 720) /60Hz, XGA (1024 × 768) /60Hz	HDMI:Two independent HDMI outputs of 4K resolution. Resolution: 4K (4096 × 2160), 4K (3840 ×2160)/30Hz, 2K (2560 × 1440)/60Hz, 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz VGA:1-ch. Resolution: 1080p (1920 × 1080) /60Hz, UXGA (1600 × 1200) /60Hz, SXGA (1280 × 1024) /60Hz, 720p (1280 × 720) /60Hz, XGA (1024 × 768) /60Hz	HDMI:Two independent HDMI outputs of 4K resolution. Resolution: 4K (4096 × 2160), 4K (3840 ×2160)/30Hz, 2K (2560 × 1440)/60Hz, 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz VGA:1-ch. Resolution: 1080p (1920 × 1080) /60Hz, UXGA (1600 × 1200) /60Hz, SXGA (1280 × 1024) /60Hz, 720p (1280 × 720) /60Hz, XGA (1024 × 768) /60Hz	HDMI:Two independent HDMI outputs of 4K resolution. Resolution: 4K (4096 × 2160), 4K (3840 ×2160)/30Hz, 2K (2560 × 1440)/60Hz, 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz VGA:1-ch. Resolution: 1080p (1920 × 1080) /60Hz, UXGA (1600 × 1200) /60Hz, SXGA (1280 × 1024) /60Hz, 720p (1280 × 720) /60Hz, XGA (1024 × 768) /60Hz	VGA1: 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2/HDMI2:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA1: 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2/HDMI2:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
LCD	One 7 inch LCD (Optional)	One 7 inch LCD (Optional)	One 7 inch LCD (Optional)	One 7 inch LCD (Optional)	-	-
Storage Capacity	16 SATA interfaces supporting hot-plug Up to 10 TB for each HDD	16 SATA interfaces supporting hot-plug Up to 10 TB for each HDD	16 SATA interfaces supporting hot-plug Up to 10 TB for each HDD	16 SATA interfaces supporting hot-plug Up to 10 TB for each HDD	16 SATA interfaces Up to 10 TB for each HDD	16 SATA interfaces Up to 10 TB for each HDD
eSATA / Mini SAS	1 × eSATA interface, 2 × mini SAS interface (optional)	1 × eSATA interface, 2 × mini SAS interface (optional)	1 × eSATA interface, 2 × mini SAS interface (optional)	1 × eSATA interface, 2 × mini SAS interface (optional)	1 × eSATA interface	1 × eSATA interface
RAID Type	RAID0, RAID1, RAID5, RAID 6, and RAID10	RAID0, RAID1, RAID5, RAID 6, and RAID10	RAID0, RAID1, RAID5, RAID 6, and RAID10	RAID0, RAID1, RAID5, RAID 6, and RAID10	RAID0, RAID1, RAID5, RAID 6, and RAID10	RAID0, RAID1, RAID5, RAID 6, and RAID10
Audio Output	1-ch. RCA (2.0 Vp-p, 1 KΩ)	1-ch. RCA (2.0 Vp-p, 1 KΩ)	1-ch. RCA (2.0 Vp-p, 1 KΩ)	1-ch. RCA (2.0 Vp-p, 1 KΩ)	1-ch. RCA (2.0 Vp-p, 1 KΩ)	1-ch. RCA (2.0 Vp-p, 1 KΩ)
Alarm I/O	16/8	16/8	16/8	16/8	16/8	16/8
Network Interface	4, RJ45 10M/100M/1000M self-adaptive Ethernet interface	4, RJ45 10M/100M/1000M self-adaptive Ethernet interface	4, RJ45 10M/100M/1000M self-adaptive Ethernet interface	4, RJ45 10M/100M/1000M self-adaptive Ethernet interface	2, RJ45 10M/100M/1000M self-adaptive Ethernet interface	2, RJ45 10M/100M/1000M self-adaptive Ethernet interface
PoE Port	-	-	-	-	-	-
USB Port	Front Panel: 2 × USB 2.0; Rear Panel: 2 × USB 3.0	Front Panel: 2 × USB 2.0; Rear Panel: 2 × USB 3.0	Front Panel: 2 × USB 2.0; Rear Panel: 2 × USB 3.0	Front Panel: 2 × USB 2.0; Rear Panel: 2 × USB 3.0	Front Panel: 2 × USB 2.0; Rear Panel: 1 × USB 3.0	Front Panel: 2 × USB 2.0; Rear Panel: 1 × USB 3.0
Smart Function	Face detection, behavior analysis, people counting and heat map	Face detection, behavior analysis, people counting and heat map	Face detection, behavior analysis, people counting and heat map	Face detection, behavior analysis, people counting and heat map	Supports multiple VCA(Video Content Analytics) events for IP cameras	Supports multiple VCA(Video Content Analytics) events for IP cameras
Power Consumption (without HDD)	≤ 140W	≤ 140W	≤ 140W	≤ 140W	≤ 45 W	≤ 45 W
Description	-	-	-	-	-	-

Model	DS-9664NI-I8	DS-9632NI-I8	DS-9616NI-I8	DS-8632NI-K8	DS-8616NI-K8
Image	HOT	HOT			
Hardware Platform	Quad-core embedded processor	Quad-core embedded processor	Quad-core embedded processor	Quad-core embedded processor	Quad-core embedded processor
Channel No.	64-ch	32-ch	16-ch	32-ch	16-ch
Decoding Format	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4
Incoming/Outgoing Bandwidth	320 Mbps / 256 Mbps 200 Mbps / 200 Mbps (RAID mode)	320 Mbps / 256 Mbps 200 Mbps / 200 Mbps (RAID mode)	256 Mbps / 256 Mbps 200 Mbps / 200 Mbps (RAID mode)	256 Mbps / 160 Mbps	160 Mbps / 160 Mbps
Decoding Capacity	2-ch @ 12 MP (20 fps) / 4-ch @ 8 MP (25 fps) / 8-ch @ 4 MP (30 fps) / 16-ch @ 1080p (30 fps)	2-ch @ 12 MP (20 fps) / 4-ch @ 8 MP (25 fps) / 8-ch @ 4 MP (30 fps) / 16-ch @ 1080p (30 fps)	2-ch @ 12 MP (20 fps) / 4-ch @ 8 MP (25 fps) / 8-ch @ 4 MP (30 fps) / 16-ch @ 1080p (30 fps)	2-ch @ 8 MP (25 fps) / 4-ch @ 4 MP (30 fps) / 8-ch @ 1080p (30 fps)	2-ch @ 8 MP (25 fps) / 4-ch @ 4 MP (30 fps) / 8-ch @ 1080p (30 fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	8 MP / 6 MP / 5 MP / 4 MP / 3 MP / 1080p / UXGA / 720p / VGA / 4CIF / DCIF	8 MP / 6 MP / 5 MP / 4 MP / 3 MP / 1080p / UXGA / 720p / VGA / 4CIF / DCIF
Display	2 HDMI / 2 VGA	2 HDMI / 2 VGA	2 HDMI / 2 VGA	2 HDMI / 2 VGA	2 HDMI / 2 VGA
Video Output	HDMI1: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA1: 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2/HDMI2:1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI1: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA1: 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2/HDMI2:1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI1: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA1: 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2/HDMI2:1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI1: 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 ×1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz,1024 ×768/60Hz HDMI2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 ×768/60Hz VGA1: 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz,1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI1: 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 ×1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz,1024 ×768/60Hz HDMI2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 ×768/60Hz VGA1: 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz,1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
LCD	-	-	-	-	-
Storage Capacity	8 SATA interfaces Up to 10 TB for each HDD	8 SATA interfaces Up to 10 TB for each HDD	8 SATA interfaces Up to 10 TB for each HDD	8 SATA interfaces Up to 6TB capacity for each HDD	8 SATA interfaces Up to 6TB capacity for each HDD
eSATA / Mini SAS	1 eSATA interface	1 eSATA interface	1 eSATA interface	1 eSATA interface	1 eSATA interface
RAID Type	RAID0, RAID1, RAID5, RAID 6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10	-	-
Audio Output	2-ch. RCA (2.0 Vp-p, 1 KΩ)	2-ch, RCA (2.0Vp-p, 1 KΩ)	2-ch, RCA (2.0Vp-p, 1 KΩ)	2-ch, RCA (Linear, 1 K Ω)	2-ch, RCA (Linear, 1 K Ω)
Alarm I/O	16/4	16/4	16/4	16/4	16/4
Network Interface	2, RJ45 10M/100M/1000M self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interfaces	2 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interfaces
PoE Port	-	-	-	-	-
USB Port	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Smart Function	Supports multiple VCA(Video Content Analytics) events for IP cameras	Supports multiple VCA(Video Content Analytics) events for IP cameras	Supports multiple VCA(Video Content Analytics) events for IP cameras	Supports multiple VCA(Video Content Analytics) events for IP cameras	Supports multiple VCA(Video Content Analytics) events for IP cameras
Power Consumption (without HDD)	≤ 30 W	≤ 30 W	≤ 30 W	≤ 30 W	≤ 30 W
Description	-	-	-	-	-

Pro Series NVR

First choice for small- to medium-sized projects

- H.264/H.264+, H.265/H.265+, MPEG4 self-adapting decoding
- Supports VCA search and POS function
- New easy-to-use GUI 4.0 features intuitive interface
- Hik-Connect for easy network management

Model	DS-7808NXI-I2/S	DS-7808NXI-I2/8P/S	DS-7816NXI-I2/S	DS-7816NXI-I2/16P/S
Image	NEW AcuSense	NEW AcuSense	NEW AcuSense	NEW AcuSense
Hardware Platform	-	-	-	-
Channel No.	8-ch	8-ch	16-ch	16-ch
Decoding Format	H.265+/H.265/H.264+/H.264/ MPEG4	H.265+/H.265/H.264+/H.264/ MPEG4	H.265+/H.265/H.264+/H.264/MPEG4	H.265+/H.265/H.264+/H.264/MPEG4
Incoming/Outgoing Bandwidth	320M/256M	320M/256M	320M/256M	320M/256M
Decoding Capacity	16-ch @ 1080p (30fps)	16-ch @ 1080p (30fps)	16-ch @ 1080p (30fps)	16-ch @ 1080p (30fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF
Display	1HDMI/1 VGA	1HDMI/1 VGA	1HDMI/1 VGA	1HDMI/1 VGA
LCD	-	-	-	-
Storage Capacity	2 SATA interfaces supporting hot-plug Up to 10TB capacity for each HDD	2 SATA interfaces supporting hot-plug Up to 10TB capacity for each HDD	2 SATA interfaces supporting hot-plug Up to 10TB capacity for each HDD	2 SATA interfaces supporting hot-plug Up to 10TB capacity for each HDD
eSATA / Mini SAS	-	-	-	-
RAID Type	-	-	-	-
Video Output	HDMI: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA: 1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 ×768/60Hz	HDMI: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA: 1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 ×768/60Hz	HDMI: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA: 1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 ×768/60Hz	HDMI: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA: 1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 ×768/60Hz
Audio Output	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)
Alarm I/O	4/1	4/1	4/1	4/1
Network Interface	2 RJ-45 10/100/1000 Mbps self adaptive Ethernet interface	1 RJ-45 10/100/1000 Mbps self adaptive Ethernet interface	2 RJ-45 10/100/1000 Mbps self adaptive Ethernet interface	1 RJ-45 10/100/1000 Mbps self adaptive Ethernet interface
PoE Port	-	8P	-	16P
USB Port	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0
Smart Function	Supports multiple VCA(Video Content Analytics) events for IP cameras	Supports multiple VCA(Video Content Analytics) events for IP cameras	Supports multiple VCA(Video Content Analytics) events for IP cameras	Supports multiple VCA(Video Content Analytics) events for IP cameras
Power Consumption (without HDD)	≤15 W	≤15 W	≤15 W	≤15 W
Description	16 libraries with 10,000 face pictures in total Face picture comparison and alarm linkage actions for up to 4 channels Up to 4-ch 2 MP video analysis for human and vehicle recognition to reduce false alarms	16 libraries with 10,000 face pictures in total Face picture comparison and alarm linkage actions for up to 4 channels Up to 4-ch 2 MP video analysis for human and vehicle recognition to reduce false alarms	16 libraries with 10,000 face pictures in total Face picture comparison and alarm linkage actions for up to 4 channels Up to 4-ch 2 MP video analysis for human and vehicle recognition to reduce false alarms	16 libraries with 10,000 face pictures in total Face picture comparison and alarm linkage actions for up to 4 channels Up to 4-ch 2 MP video analysis for human and vehicle recognition to reduce false alarms

Model	DS-7916NXI-I4/S	DS-7916NXI-I4/16P/S	DS-7932NXI-I4/S	DS-7932NXI-I4/16P/S
Image	NEW AcuSense	NEW AcuSense	NEW AcuSense	NEW AcuSense
Hardware Platform	-	-	-	-
Channel No.	16-ch	16-ch	32-ch	32-ch
Decoding Format	H.265+/H.265/H.264+/H.264/MPEG4	H.265+/H.265/H.264+/H.264/MPEG4	H.265+/H.265/H.264+/H.264/MPEG4	H.265+/H.265/H.264+/H.264/MPEG4
Incoming/Outgoing Bandwidth	320M/256M	320M/256M	320M/256M	320M/256M
Decoding Capacity	16-ch @ 1080p (30fps)	16-ch @ 1080p (30fps)	16-ch @ 1080p (30fps)	16-ch @ 1080p (30fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/ DCIF/2CIF/CIF/QCIF	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/ DCIF/2CIF/CIF/QCIF
Display	2HDMI/1 VGA	2HDMI/1 VGA	2HDMI/1 VGA	2HDMI/1 VGA
LCD	-	-	-	
Storage Capacity	4 SATA interfaces supporting hot-plug Up to 10TB capacity for each HDD	4 SATA interfaces supporting hot-plug Up to 10TB capacity for each HDD	4SATA interfaces supporting hot-plug Up to 10TB capacity for each HDD	4 SATA interfaces supporting hot-plug Up to 10TB capacity for each HDD
eSATA / Mini SAS	1 eSATA interface	1 eSATA interface	1 eSATA interface	1 eSATA interface
RAID Type	-	-	-	-
Video Output	HDMI1: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 ×1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI1/VGA simultaneous output VGA: 1920 × 1080/60Hz, 1280 ×1024/60Hz, 1280 × 720/60Hz, 1024 ×768/60Hz, HDMI1/VGA simultaneous output HDMI2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI2/VGA independent output	HDMI1: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI1/VGA simultaneous output VGA: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI1/VGA simultaneous output HDMI2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI2/VGA independent output	HDMI1: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI1/VGA simultaneous output VGA: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI1/VGA simultaneous output HDMI2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI2/VGA independent output	HDMI1: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 ×1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI1/VGA simultaneous output VGA: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI1/VGA simultaneous output HDMI2: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI2/VGA independent output
Audio Output	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)
Alarm I/O	16/8	16/8	16/8	16/8
Network Interface	2 RJ-45 10/100/1000 Mbps self adaptive Ethernet interface	1 RJ-45 10/100/1000 Mbps self adaptive Ethernet interface	2 RJ-45 10/100/1000 Mbps self adaptive Ethernet interface	1 RJ-45 10/100/1000 Mbps self adaptive Ethernet interface
PoE Port	-	16P	-	16P
USB Port	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Smart Function	Supports multiple VCA(Video Content Analytics) events for IP cameras	Supports multiple VCA(Video Content Analytics) events for IP cameras	Supports multiple VCA(Video Content Analytics) events for IP cameras	Supports multiple VCA(Video Content Analytics) events for IP cameras
Power Consumption (without HDD)	≤30 W	≤30 W	≤30 W	≤30 W
Description	16 libraries with 10,000 face pictures in total Face picture comparison and alarm linkage actions for up to 4 channels Up to 4-ch 2 MP video analysis for human and vehicle recognition to reduce false alarms	16 libraries with 10,000 face pictures in total Face picture comparison and alarm linkage actions for up to 4 channels Up to 4-ch 2 MP video analysis for human and vehicle recognition to reduce false alarms	16 libraries with 10,000 face pictures in total Face picture comparison and alarm linkage actions for up to 4 channels Up to 4-ch 2 MP video analysis for human and vehicle recognition to reduce false alarms	16 libraries with 10,000 face pictures in total Face picture comparison and alarm linkage actions for up to 4 channels Up to 4-ch 2 MP video analysis for human and vehicle recognition to reduce false alarms

Workstation Series

Seeking VMS Partners for Collaboration

- Unique module featuring outstanding hardware development
- Supports Windows 10 or Linux Ubuntu OS for third-party VMS
- Configurable alarm I/O and PoE interfaces for third-party integration
- Multiple models with corresponding hardware such as CPU, memory, and storage to satisfy a host of applications

Model	DS-9000AI-S16-D	DS-WSELI-T4(/16P)
Image		
Processor	Quad-Core Intel® Xeon® Processor E3 V5 Series	Intel® Celeron® Processor J3455 (2M Cache, up to 2.3 GHz), 64 bit, 4 Core;
Operating System	Ubuntu Linux is installed by default. Microsoft Windows, including Windows 7E, Windows 10, and Windows Server 2012 R2 can be installed	Ubuntu Linux 16.04
System Disk (OS,VMS)	Industrial-level SSD with 128 GB capacity	mSATA 32GB Optional: mSATA 64 GB
Memory	8 GB DDR4. ECC parity. Extendable up to 64 GB	4 GB
No. of Channels	-	-
Decoding Format	-	-
Incoming/Outgoing Bandwidth	-	-
Decoding Capacity	-	-
Recording Resolution	-	-
Display	2 HDMI / 1 VGA	2 HDMI / 1 VGA
LCD	-	-
Storage Capacity	16 SATA interfaces Up to 10 TB for each HDD	4 SATA interfaces Up to 10 TB for each HDD
eSATA / Mini SAS	1 × eSATA interface 2 × mini SAS interface (optional)	-
RAID Type	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	-
Video Output	VGA:1-ch, resolution: 1080p (1920x1080)/60Hz, UXGA (1600x1200)/60Hz, SXGA(1280x1024)/60Hz, 720p (1280x 720)/60Hz, XGA (1024x768)/60Hz HDMI:Two independent HDMI outputs, resolution: 4K (4096x2160), 4K(3840x2160)/30Hz, 2K (2560x1440)/60Hz, 1080p (1920x1080)/60Hz, UXGA (1600x1200)/60Hz, SXGA (1280x1024)/60Hz, 720p (1280x720)/60Hz, XGA (1024x768)/60Hz	VGAI:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280× 720/60Hz, 1024 × 768/60Hz HDMI:4K (3840 × 2160)/30Hz, 2K (2560 ×1440)/60Hz, 1920 × 1080/60Hz, 1600× 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 ×768/60Hz
Audio Output	1-ch, RCA (2.0 Vp-p, 1 KΩ)	1-ch, 3.5 mm audio connector
Alarm I/O	16/8	16/4
Network Interface	4 × RJ45 10M/100M/1000M self-adaptive Ethernet interface	2, RJ45 10M/100M/1000M self-adaptive Ethernet interface
PoE Port	-	(16 RJ-45 10/100 Mbps self-adaptive Ethernet interfaces)
USB Port	Rear panel: 2 × USB 3.0	Front Panel: 2 × USB 2.0; Rear Panel: 4 × USB 3.0
Smart Function	-	-
Power Consumption (without HDD)	≤ 350 W	≤ 30 W
Chassis	-	19-inch rack-mounted 1.5U chassis
Description	-	-

Model	DS-WSELI-T2(/8P)	DS-WSPLI-T2	DS-WSPLI-T4	DS-WSPLI-T8
Image				
Processor	Intel® Celeron® Processor J3455 (2M Cache, up to 2.3 GHz), 64 bit, 4 Core;	Intel® Core™ i5-8500 Processor (9M Cache, 3.00 GHz, up to 4.10 GHz Optional: G4900, I3-8100, I7-8700, E-2176G	Intel® Core™ i5-8500 Processor (9M Cache, 3.00 GHz, up to 4.10 GHz Optional: G4900, I3-8100, I7-8700, E-2176G	Intel® Xeon® Processor E3-1225 v5, 3.30 GHz Optional: G4400 3M Cache,3.30GHz; i3-6100 3M Cache,3.70GHz; i5-6500 6M Cache,3.20GHz; i7-6700 8M Cache,3.40GHz
Operating System	Ubuntu Linux 16.04	Ubuntu 18.04.2	Ubuntu 18.04.2	Ubuntu Linux 16.04
System Disk (OS,VMS)	mSATA 32 GB Optional: mSATA 64 GB	mSATA 128 GB Optional: mSATA 64 GB	mSATA 128 GB Optional: mSATA 64 GB	mSATA 64 GB Optional: mSATA 128 GB
Memory	4 GB	8 GB Optional: 16 GB	8 GB Optional: 16 GB	8 GB = 2 * 4 GB
No. of Channels	-	-	-	-
Decoding Format	-	-	-	-
Incoming/Outgoing Bandwidth	-	-	-	-
Decoding Capacity	-	-	-	-
Recording Resolution	-	-	-	-
Display	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 1 VGA
LCD	-	-	-	-
Storage Capacity	2 SATA interfaces Up to 10 TB for each HDD	2 SATA interfaces Up to 8 TB for each HDD	4 SATA interfaces Up to 8 TB for each HDD	8 SATA interfaces Up to 10 TB for each HDD
eSATA / Mini SAS	-	-	-	-
RAID Type	-	-	-	-
Video Output	VGA:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280× 720/60Hz, 1024 × 768/60Hz HDMI:4K (3840 × 2160)/30Hz, 2K (2560 ×1440)/60Hz, 1920 × 1080/60Hz, 1600× 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 ×768/60Hz	VGA:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 ×768/60Hz HDMI:4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600×1200/60Hz, 1280 × 1024/60Hz, 1280 ×720/60Hz, 1024 × 768/60Hz	VGA:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 ×768/60Hz HDMI:4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600×1200/60Hz, 1280 × 1024/60Hz, 1280 ×720/60Hz, 1024 × 768/60Hz	VGA:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 ×768/60Hz HDMI:4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600×1200/60Hz, 1280 × 1024/60Hz, 1280 ×720/60Hz, 1024 × 768/60Hz
Audio Output	1-ch, 3.5 mm audio connector	1-ch, 3.5 mm audio connector	1-ch, 3.5 mm audio connector	1-ch, 3.5 mm audio connector
Alarm I/O	4/2	4/2	4/2	Optional: 16/4
Network Interface	2, RJ45 10M/100M/1000M self-adaptive Ethernet interface	2, RJ45 10M/100M/1000M self-adaptive Ethernet interface	2, RJ45 10M/100M/1000M self-adaptive Ethernet interface	2, RJ45 10M/100M/1000M self-adaptive Ethernet interface
PoE Port	(8 RJ-45 10/100 Mbps self-adaptive Ethernet interfaces)	-	-	-
USB Port	Front Panel: 2 × USB 2.0; Rear Panel: 4 × USB 3.0	Front panel: 2 × USB 2.0, rear panel: 4 × USB 3.0	Front panel: 2 × USB 2.0, rear panel: 4 × USB 3.0	Front Panel: 2 × USB 2.0; Rear Panel: 4 × USB 3.0
Smart Function	-	-	-	-
Power Consumption (without HDD)	≤ 30 W	≤ 150 W	≤ 150 W	≤ 120 W
Chassis	19-inch rack-mounted 1U chassis	19-inch rack-mounted 1U chassis	19-inch rack-mounted 1.5U chassis	19-inch rack-mounted 2U chassis
Description	-	-	-	-

Network Storage

077 Hybrid SAN

081 Cluster Storage

Hikvision Hybrid SAN Products

Cost-Effective, Dedicated, Superior Data Security and Sustainability

- Dual mode support: Video Direct Streaming and IPSAN
- Video Direct Streaming mode eliminates need for recording servers, with excellent cost-effective video storage
- Video stream-based R/W/Search operation, higher efficiency
- Super N+1 failover (1 failover node to take over traffic of multiple faulty nodes) providing enhanced video safety
- Proven lab and field compatibility in IPSAN mode with leading VMSs such as Milestone, AXXON, ISS, etc.
- Supports local, remote, and scheduled backup
- Hybrid SAN with pre-installed HDDs creates cost-effective solutions for long-term storage
- Supports ONVIF, PSIA, and RTSP protocols and extended data retention (with third-party cameras such as Bosch, Axis, Sony, Samsung, etc.)

Model		DS-A81016S	DS-A71024R	DS-A82024D	DS-A72024R
Image					
Performance	Direct Streaming mode: video (2 Mbps) + picture	320-ch recording + playback	320-ch recording + playback	448-ch (recording + playback)	820-ch recording + playback
	IPSAN	180-ch recording + playback	180-ch recording + playback	256-ch (recording + playback)	-
Controller	Processor	One controller (64-bit multi-core processor)	One 64-bit embedded multi-core processor	Dual controller (64-bit multi-core processor)	Dual 64-bit multi-core processor
	Cache	4 GB (extendable to 32 GB)	4 GB (extendable to 64GB)	8 GB (extendable to 32 GB)/controller	8 GB (extendable to 128 GB)
HDD	HDD slot	16	24	24	24
	Interface/capacity	2TB, 4TB, 6TB, 8TB, 10TB, 12TB, 14TB, 16TB	2TB, 4TB, 6TB, 8TB, 10TB, 12TB, 14TB, 16TB	2TB, 4TB, 6TB, 8TB, 10TB, 12TB, 14TB, 16TB,	2TB, 4TB, 6TB, 8TB, 10TB, 12TB, 14TB, 16TB
	RAID	RAID0, 1, 3, 5, 6, 10, 50, JBOD, Hot-spare	RAID 0, 1, 3, 5, 6, 10, 50, ,JBOD, hot spare	RAID0, 1, 3, 5, 6, 10, 50, JBOD, Hot-Spare	RAID 0, 1, 3, 5, 6, 10, 50, JBOD, hot spare
Network	Protocol	iSCSI, RTSP, ONVIF, PSIA	iSCSI, RTSP, ONVIF, PSIA	iSCSI, RTSP, ONVIF, PSIA	iSCSI, RTSP, ONVIF, PSIA
Storage Management	Disk management	Disk inspection, alarm and repair	Disk inspection, alarm and repair	Disk inspection, alarm and repair	Disk inspection, alarm and repair
	Logical volume management	iSCSI volume, video volume management	iSCSI volume, video volume management	iSCSI volume, video volume management	iSCSI volume, video volume management
Recording Management	Recording mode	Timing recording, manual recording, dual-stream recording, alarm recording	Timing recording, manual recording, dual-stream recording, alarm recording	Timing recording, manual recording, dual-stream recording, alarm recording	Timing recording, manual recording, dual-stream recording, alarm recording
	Video protection	Lock key video, N+1 service protection, ANR, video loss detection and alarm	Lock key video, N+1 service protection, ANR, video loss detection and alarm	Lock key video, N+1 service protection, ANR, video loss detection and alarm	Lock key video, N+1 service protection, ANR, video loss detection and alarm
Device Maintenance	Management mode	Web-based GUI, serial port CLI, centralized management of multiple devices	Web-based GUI, serial port CLI, centralized management of multiple devices	Web-based GUI, serial port CLI, centralized management of multiple devices	Web-based GUI, serial port CLI, centralized management of multiple devices
	Alarm mode	Sound, light, email, message, web page	Sound, light, email, message, web page	Sound, light, email, message, web page	Sound, light, email, message, web page
External Interface	Data network interface	3, 1000M Ethernet interface	2, 1000M Ethernet interface (4 × 1GbE or 2 × 10GbE is extendable)	4, 1000M Ethernet interface (4 × GbE or 2 × 10GbE is extendable) per controller	4, 1000M Ethernet interface (4 × 1GbE or 2 × 10GbE is extendable)
	Management network interface	1, 1000M Ethernet interface	1, 1000M Ethernet interface/Controller	1, 1000M Ethernet interface/Controller	1, 1000M Ethernet interface/Controller
	Mini SAS interface	Supported	Supported	Supported	Supported
General	Power supply	Redundant	Redundant	Redundant	Redundant
	Dimensions(W × H × D)	3U Chassis(486 x 134 x 535 mm)	4U Chassis(445 x 175 x 746 mm)	4U Chassis(484 x 174 x 760 mm)	4U Chassis(445 x 175 x 746 mm)

Model		DS-AT1000S/240	DS-AT1000S/320	DS-AT1000S/480
Image				
Performance	Direct Streaming mode: video (2 Mbps) + picture	256-ch recording + playback	256-ch recording + playback	400-ch recording + playback
	IPSAN	-	-	-
Controller	Processor	64-bit multi-core processor	64-bit multi-core processor	64-bit multi-core processor
	Cache	12 GB (extendable to 32 GB)	12 GB (extendable to 32 GB)	16 GB (extendable to 32 GB)
HDD	HDD slot	16 (the device is packaged with 12 HDDs)	16 (the device is packaged with 16 HDDs)	24 (the device is packaged with 24 HDDs)
	Interface/capacity	SATA / 20 TB	SATA / 20 TB	SATA / 20 TB
	RAID	iRAID, RAID5, RAID6	iRAID, RAID5, RAID6	iRAID, RAID5, RAID6
Network	Protocol	RTSP, ONVIF, HKSDK	RTSP, ONVIF, HKSDK	RTSP, ONVIF, HKSDK
Storage Management	Disk management	Disk detection pre-alarm and repair	Disk detection pre-alarm and repair	Disk detection pre-alarm and repair
	Logical volume management	Recording volume management	Recording volume management	Recording volume management
Recording Management	Recording mode	Continuous recording, manual recording, and alarm recording	Continuous recording, manual recording, and alarm recording	Continuous recording, manual recording, and alarm recording
	Video protection	Video lock, video loss alarm	Video lock, video loss alarm	Video lock, video loss alarm
Device Maintenance	Management mode	GUI based on web, serial port CLI, platform	GUI based on web, serial port CLI, platform	GUI based on web, serial port CLI, platform
	Alarm mode	Audio, indicator, GUI	Audio, indicator, GUI	Audio, indicator, GUI
External Interface	Data network interface	3, 1000 Mbps Ethernet interface	3, 1000 Mbps Ethernet interface	4, 1000 Mbps Ethernet interface
	Management network interface	1, 1000 Mbps Ethernet interface	1, 1000 Mbps Ethernet interface	1, 1000 Mbps Ethernet interface
	Mini SAS interface	N/A	N/A	N/A
General	Power supply	Redundant	Redundant	Redundant
	Dimensions(W × H × D)	3U Chassis(486 x 134 x 535 mm)	3U Chassis(486 x 134 x 535 mm)	4U Chassis(484 x 174 x 724 mm)

Model		DS-AJ7824D
Image		
Controller Parameters	Controller	2 Controller
	SAS Interface (Upper-level)	2 (12 Gbps)
	SAS Interface (Lower-level)	1 (12 Gbps)
	HDD Interfaces	24
	HDD Interface Type	SAS
	Hot Swap HDD	Supported
	Power	Redundant (1+1)
	Applicable Models	DS-A82024D
General	Chassis	4U Chassis
	Dimensions(W × H × D)	484 x 174 x 760 mm
	Weight (without hard disk)	40 kg (88.2 lb)
	Consumption (with max. hard disks)	≤ 550 W

Model		DS-AD82012D-ODL
Image		NEW
Every Controller	Processor	multi-core processor
	Cache	8 GB
	Network Interface	4 × 10 Gbps per controller
Cabinet	Array Channel	2 × 12Gb SAS
	Max. Storage Space	3.1 PB
	Max. Disk Number	264
	Enclosure	Multilevel
	Network Exchange	8 × 10 Gbps RJ45 interface, or 8 × 10 Gbps fiber optic interface, or 8 × 16GbFC interface, or 8 × 12GbSAS interface, or the mixture of 4 × 10 Gbps fiber optic interface and 4 × 16GbFC interface
	Power Supply	Redundant power supply (1+1)
	HDD Interfaces	12 (The default full match)
	HDD Interface Type	SAS
	Application	support IPSAN,FCSAN (snapshot,replication,clone,Thin provisioning)
Software	Management Method	GUI based on web, in-band and out-band, support the unified management of multiple devices
	Management Software	Web broswer and client software
General	Dimension (W × D × H)	483 × 88 × 603 mm (19.0 × 3.5 × 23.7 inch), standard 2U chassis
	Weight (Maximum Capacity)	32 kg (70.5 lb)
	Consumption (without HDD)	≤ 580 W
	Temperature	Working temperature: 10 °C to 35 °C (50 °F to 95 °F) Storing temperature: -20 °C to 65 °C (-4 °F to 149 °F)
	Humidity	Working humidity: 20% to 80% RH (non-freezing, non-condensing) Storing humidity: 5% to 90% RH (non-freezing, non-condensing)

Model		DS-AJ6884D-ODL
Image		NEW
Controller Parameters	Controller	2 Controller
	HDD Interfaces	84 (The default full match)
	HDD Interface Type	SAS
	Enclosure	Multilevel
	Power	Redundant (1+1)
	Applicable Models	DS-AD82012D-ODL
General	Chassis	standard 5U chassis
	Dimension (W × D× H)	483 × 222 × 975 mm (19.0 × 8.7 × 38.4 inch)
	Weight (Maximum Capacity)	135 kg (297.6 lb)
	Consumption (without HDD)	≤ 2200 W

Hikvision Cluster Storage Products

High Performance, High Scalability, High Reliability, High Availability

- Clustering technology creates load balancing and prevents single-point failure
- Supports fault tolerance to prevent single device failure
- Virtual management unifies storage resources to one pool for flexible utilization.
- Storage types include video, images, files, and objects
- Equipment-level redundancy reaches the highest levels of data security
- Real-time online system capacity expansion; one cluster device can expand to up to 30,000 channels of video input and 300 PB storage
- These products make use of ultra-fault-tolerant Network RAID technology (based on Erasure Code)
- One IP for the entire storage system means easy maintenance
- Video can be backed up locally and via cluster storage to improve system reliability

Model		DS-A81024S-ICVS	DS-A81048S-ICVS	DS-A83024S-ICVS	DS-A83048S-ICVS
Image		HOT	HOT	HOT	HOT
Performance	Standard cluster (2 Mbps)	240-ch	240-ch	600-ch	600-ch
Controller	Standard cluster (4 Mbps)	150-ch	150-ch	300-ch	300-ch
	Micro cluster (2 Mbps)	200-ch	200-ch	550-ch	550-ch
	Micro cluster (4 Mbps)	120-ch	120-ch	250-ch	250-ch
HDD	Processor	64-bit multi-core processors	64-bit multi-core processors	2,64-bit multi-core processors	2,64-bit multi-core processors
	Cache	16 GB	32 GB	64 GB (extendable to 384 GB)	64 GB(extendable to 384 GB)
	HDD slot	24	48	24	48
	Interface	SATA / SAS	SATA / SAS	SATA / SAS	SATA / SAS
	Capacity	2TB, 4TB, 6TB, 8TB, 10TB, 12TB, 14TB, 16TB (enterprise HDD)	2TB, 4TB, 6TB, 8TB, 10TB, 12TB, 14TB, 16TB (enterprise HDD)	2TB, 4TB, 6TB, 8TB, 10TB, 12TB, 14TB, 16TB (enterprise HDD)	2TB, 4TB, 6TB, 8TB, 10TB, 12TB, 14TB, 16TB (enterprise HDD)
	Hot-swapping	Supported	Supported	Supported	Supported
	RAID	IRAID: N + M: K, N + M ≤ 16, M ≥ K, N ∈ [1, 15], M ∈ [1, 4], K ∈ [1, 4]	IRAID: N + M: K, N + M ≤ 16, M ≥ K, N ∈ [1, 15], M ∈ [1, 4], K ∈ [1, 4]	IRAID: N + M: K, N + M ≤ 16, M ≥ K, N ∈ [1, 15], M ∈ [1, 4], K ∈ [1, 4]	IRAID: N + M: K, N + M ≤ 16, M ≥ K, N ∈ [1, 15], M ∈ [1, 4], K ∈ [1, 4]
Storage	Disk	Disk detection pre-alarm and repair	Disk detection pre-alarm and repair	Disk detection pre-alarm and repair	Disk detection pre-alarm and repair
	Cache protection	Supports customizing BBU in case of unexpected power failure to protect the cache data from being lost.	Supports customizing BBU in case of unexpected power failure to protect the cache data from being lost.	Supports customizing BBU in case of unexpected power failure to protect the cache data from being lost.	Supports customizing BBU in case of unexpected power failure to protect the cache data from being lost.
Recording	CVA	Device access, recording schedule, and stream forwarding services	Device access, recording schedule, and stream forwarding services	Device access, recording schedule, and stream forwarding services	Device access, recording schedule, and stream forwarding services
	CVS	Data storage, video/picture access, storage space, and data R/W services	Data storage, video/picture access, storage space, and data R/W services	Data storage, video/picture access, storage space, and data R/W services	Data storage, video/picture access, storage space, and data R/W services
Maintenance and Management	Management method	GUI based on web, serial port CLI, platform	GUI based on web, serial port CLI, platform	GUI based on web, serial port CLI, platform	GUI based on web, serial port CLI, platform
	Alarm method	Audio, indicator, GUI	Audio, indicator, GUI	Audio, indicator, GUI	Audio, indicator, GUI
Network	Protocol	RTSP, ONVIF, PSIA, etc.	RTSP, ONVIF, PSIA, etc.	RTSP, ONVIF, PSIA, etc.	RTSP, ONVIF, PSIA, etc.
Interfaces	Data network interface	4, 1000M Ethernet interface (8 × GbE or 4 × 10GbE is extendable)	4, 1000M Ethernet interface (8 × GbE or 4 × 10GbE is extendable)	6, 1000M Ethernet interface (8 × GbE or 4 × 10GbE is extendable)	6, 1000M Ethernet interface (8 × GbE or 4 × 10GbE is extendable)
	Management network interface	1, 1000M Ethernet interface	1, 1000M Ethernet interface	1, 1000M Ethernet interface	1, 1000M Ethernet interface
	SAS extension interface	3, 12 Gbps SAS 3.0 interface	3, 12 Gbps SAS 3.0 interface	3, 12 Gbps SAS 3.0 interface	3, 12 Gbps SAS 3.0 interface
	COM interface	2 (1 for RS-232, 1 for RS-485)	2 (1 for RS-232, 1 for RS-485)	2 (1 for RS-232, 1 for RS-485)	2 (1 for RS-232, 1 for RS-485)
	USB interface	3 (2 × USB 3.0, 1 × USB 2.0)	3 (2 × USB 3.0, 1 × USB 2.0)	3 (2 × USB 3.0, 1 × USB 2.0)	3 (2 × USB 3.0, 1 × USB 2.0)
	VGA interface	1	1	-	-
General	Power supply (rated)	Redundant 1 + 1, ≤ 550 W	Redundant 2 + 1, ≤ 1600 W	Redundant 1 + 1, ≤ 550 W	Redundant 2 + 1, ≤ 1600 W
	Consumption (withHDDs)	≤ 420 W	≤ 710 W	≤ 484 W	≤ 763 W
	Environment temperature	Working: +5 °C to +35 °C (+41 °F to +95 °F) Storage: -20 °C to +70 °C (-4 °F to +158 °F)	Working: +5 °C to +35 °C (+41 °F to +95 °F) Storage: -20 °C to +70 °C (-4 °F to +158 °F)	Working: +5 °C to +35 °C (+41 °F to +95 °F) Storage: -20 °C to +70 °C (-4 °F to +158 °F)	Working: +5 °C to +35 °C (+41 °F to +95 °F) Storage: -20 °C to +70 °C (-4 °F to +158 °F)
	Environment humidity	Working: 20% to 80%RH (non-condensing/frozen) Storage: 5% to 90%RH (non-condensing/frozen)	Working: 20% to 80%RH (non-condensing/frozen) Storage: 5% to 90%RH (non-condensing/frozen)	Working: 20% to 80%RH (non-condensing/frozen) Storage: 5% to 90%RH (non-condensing/frozen)	Working: 20% to 80%RH (non-condensing/frozen) Storage: 5% to 90%RH (non-condensing/frozen)
	Dimension (W × H × D)	484 x 174 x 760 mm	487 x 345 x 751 mm	484 x 174 x 760 mm	487 x 345 x 751 mm
	Weight (without HDDs)	≤ 43 kg (90.4 lb)	≤ 70 kg (154.3 lb)	≤ 43 kg (94.8 lb)	≤ 93 kg (205 lb)

Data Center

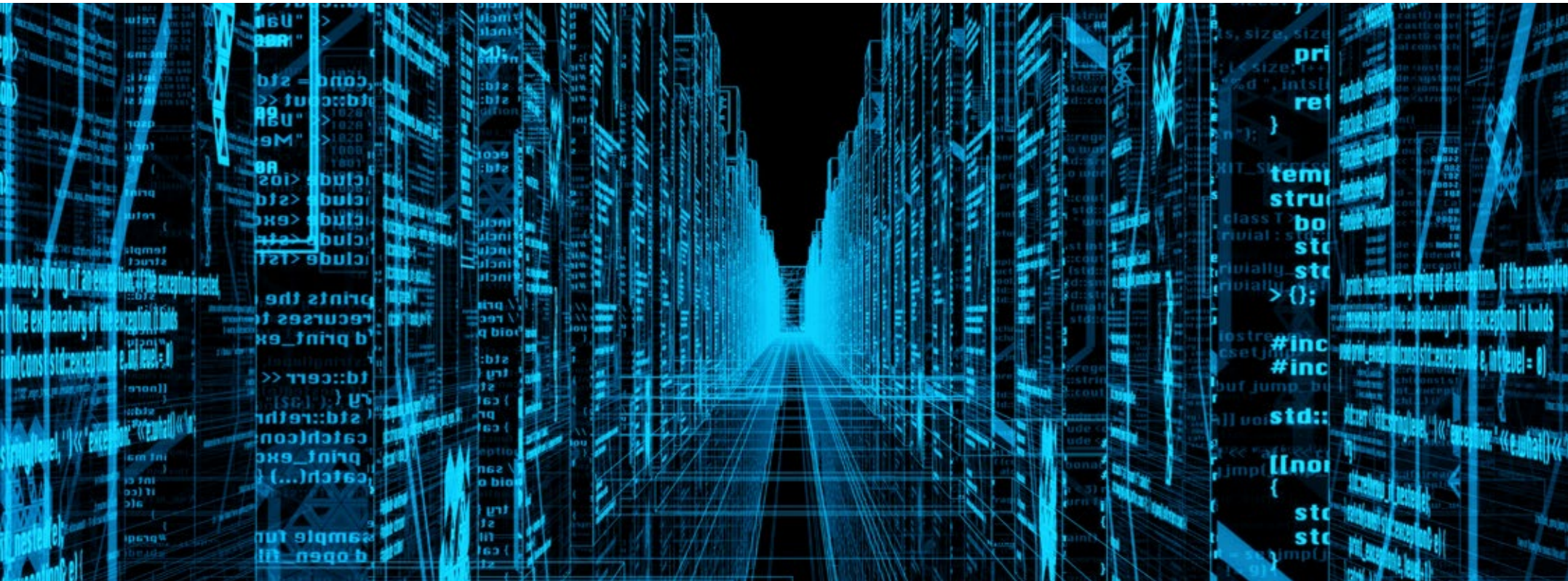
084 DeepinMind Server

089 General Purpose Server

DeepinMind Server

Create Utility, Accurate, and Innovative AI

- Fast and accurate facial, human body, vehicle and behavior recognition based on deep learning algorithms
- Professional GPU accelerator with high computing capacity
- Supports clustered implementation to facilitate load balancing, dynamic expansion, and system failover
- Abundance of functions to meet needs in a multitude of scenarios and requirements



DeepinMind Server

Model		DS-IF1032-03U/X	DS-IF1064-03U/X	DS-IF2003-A3H/NF	DS-IF2006-A3H/NF
Image		HOT DeepinMind	HOT	HOT	HOT
Facial analysis	Function module	Facial tracking, facial detection, facial rating, facial modeling, facial attribute analysis, facial comparison and alarm	Facial tracking, facial detection, facial rating, facial modeling, facial attribute analysis, facial comparison and alarm	Facial tracking, facial detection, facial rating, facial modeling, facial attribute analysis, facial comparison and alarm	Facial tracking, facial detection, facial rating, facial modeling, facial attribute analysis, facial comparison and alarm
	Facial attribute	Age, gender, smile, glasses, mask	Age, gender, smile, glasses, mask	Age, gender, smile, glasses, mask	Age, gender, smile, glasses, mask
	Video streaming performance	32-channel (1080p)	64-channel (1080P)	60-channel (1080P)	120-channel (1080P)
	Image streaming performance	160 pics/s	320 pics/s	450 pics/s	900 pics/s
	Format	jpeg, gif, bmp, png, tif	jpeg, gif, bmp, png, tif	jpeg, gif, bmp, png, tif	jpeg, gif, bmp, png, tif
	List storage capacity	1 million	1 million	3 million	3 million
Video structuralization	Function module	Moving target detection, tracking, rating, attribute analysis, modeling	Moving target detection, tracking, rating, attribute analysis, modeling	Moving target detection, tracking, rating, attribute analysis, modeling	Moving target detection, tracking, rating, attribute analysis, modeling
	Video processing performance	32-channel (1080p)	64-channel (1080P)	60-channel (1080P)	120-channel (1080P)
	Security image processing performance	48 pics/s (500W)	64 pics/s (500W)	85 pics/s (500W)	170 pics/s (500W)
	Human body attribute	Target direction/size/speed, upper/lower body clothing/color, age, hair style, gender, whether riding, whether carrying bag, whether wearing hat, mask, whether carrying article, number of personnel on non-motor vehicle, vehicle type	Target direction/size/speed, upper/lower body clothing/color, age, hair style, gender, whether riding, whether carrying bag, whether wearing hat, mask, whether carrying article, number of personnel on non-motor vehicle, vehicle type	Target direction/size/speed, upper/lower body clothing/color, age, hair style, gender, whether riding, whether carrying bag, whether wearing hat, mask, whether carrying article, number of personnel on non-motor vehicle, vehicle type	Target direction/size/speed, upper/lower body clothing/color, age, hair style, gender, whether riding, whether carrying bag, whether wearing hat, mask, whether carrying article, number of personnel on non-motor vehicle, vehicle type
	Vehicle attribute	license plate number, vehicle color, vehicle type, vehicle main brand	license plate number, vehicle color, vehicle type, vehicle main brand	license plate number, vehicle color, vehicle type, vehicle main brand	license plate number, vehicle color, vehicle type, vehicle main brand
Vehicle analysis	Function module	Vehicle detection, vehicle modeling, vehicle attribute analysis, vehicle recognition	Vehicle detection, vehicle modeling, vehicle attribute analysis, vehicle recognition	Vehicle detection, vehicle modeling, vehicle attribute analysis, vehicle recognition	Vehicle detection, vehicle modeling, vehicle attribute analysis, vehicle recognition
	Resolution	256 x 256 to 900W Pixel	256 x 256 to 900W Pixel	256 x 256 to 900W Pixel	256 x 256 to 900W Pixel
	Analysis and modeling	6 million pieces/day (7 MP)	8 million pieces/day (7 MP)	5.1 million pieces/day (7 MP)	10.2 million pieces/day (7 MP)
	Format	Standard JPG/JPEG, BMP, PNG/TIFF, TIF, static GIF	Standard JPG/JPEG, BMP, PNG/TIFF, TIF, static GIF	Standard JPG/JPEG, BMP, PNG/TIFF, TIF, static GIF	Standard JPG/JPEG, BMP, PNG/TIFF, TIF, static GIF
					*The above performance of facial analysis, vehicle analysis and video structuralization is mutually exclusive..
General		4 × USB 3.0 interface, 2 × USB 2.0 interface	4 × USB 3.0 interface, 2 × USB 2.0 interface	2 × USB 3.0 interface, 2 × USB 2.0 interface	2 × USB 3.0 interface, 2 × USB 2.0 interface
		1 × VGA interface	1 × VGA interface	1 × VGA interface	1 × VGA interface
		4 ×1000M Ethernet interfac	4 ×1000M Ethernet interfac	4 × 1000M self-adaptive Ethernet interface	4 × 1000M self-adaptive Ethernet interface
		19-inch 1U chassis	19-inch 1U chassis	19-inch 2U chassis	19-inch 2U chassis
		Power consumption: 240 W	Power consumption: 240 W	Power consumption: 750 W	Power consumption: 1600 W
		Working temperature: +5°C to +35°C (41°F to 95 °F)	Working temperature: +5°C to +35°C (41°F to 95 °F)	Working temperature: +5°C to +35°C (41°F to 95 °F)	Working temperature: +5°C to +35°C (41°F to 95 °F)
		Storage temperature: -40 °C to +70 °C (-40 °F to +158 °F)	Storage temperature: -40 °C to +70 °C (-40 °F to +158 °F)	Storage temperature: -40 °C to +70 °C (-40 °F to +158 °F)	Storage temperature: -40 °C to +70 °C (-40 °F to +158 °F)
		Working humidity: 10% to 90%	Working humidity: 10% to 90%	Working humidity: 8% to 90% (without condensation)	Working humidity: 8% to 90% (without condensation)

Model			DS-VBD1HH-UH/H	DS-VBD1HH-UF/H
Image			DeepinMind	DeepinMind
Data type (mixed storage for multiple data types)			Human face data Human body data Vehicle data	Human face data Human body data Vehicle data
Storage capacity (storage capacity for single data type)			2.4 billion pieces of human face data 3 billion pieces of human body data 6 billion pieces of vehicle data	800 million pieces of human face data 1 billion pieces of human body data 2 billion pieces of vehicle data
Search by picture (storage capacity for single data type)			Accelerated searching for 100 million pieces of structured data	Accelerated searching for 30 million pieces of structured data
Application function	Human face		Attribute search, search by picture, area comparison, frequently appeared person analysis, destination analysis, companion analysis, statistics analysis, human arming, etc.	Attribute search, search by picture, area comparison, frequently appeared person analysis, destination analysis, companion analysis, statistics analysis, human arming, etc.
	Human body		Attribute search, statistics analysis, search by picture, etc.	Attribute search, statistics analysis, search by picture, etc.
	Vehicle		Vehicle search, trace search, facial masking in night, entering downtown for first time, frequent entrance & exit, area comparison, search by picture, vehicle with fake license plate analysis, model arming, etc.	Vehicle search, trace search, facial masking in night, entering downtown for first time, frequent entrance & exit, area comparison, search by picture, vehicle with fake license plate analysis, model arming, etc.
Mainboard	CPU		Intel ® Xeon® 6230 CPU x 2	Intel ® Xeon® 4114 CPU x 2
	Memory		512 GB DDR4	256 GB DDR4
	Hard disk drive		240 GB M.2 × 1 (system) + 240 GB M.2 × 1 + 6 TB PCIE SSD × 1 + 4 TB 7.2 K SATA × 6 (RAID_10)	240 GB M.2 x 2 + 480 GB SSD x 6 + 4 TB 7.2 K SATA × 2 (RAID_1)
Interface	Data interface		10 GbE x 2 + 1GbE x 2	GigE x 4 or above
Power	Power module		750 W (1 + 1)	750 W (1 + 1)

Model			DS-IX2001-A3U/X
Image			HOT
Device performance	Face picture analysis	Analysis type	Supports analysis, comparison and classification of faces in pictures, real-time videos or recordings.
		Picture analysis and comparison	120 pieces/second;Format: jpeg, bmp, tif, png
		Video analysis and comparison	20 channels (1080 P)
		List Library	3 million pictures in total (≤ 128 list libraries)
		1 V 1 comparison	22 pairs/second
		Imported video analysis	Single video size ≤ 10 GB, and total video size ≤ 100 GB Max. 40 times accelerated analysis speed Format: ts, svac, mbf, ps, mp4, avi, asf
	Video structured data analysis	Analysis Type	Supports analysis and modelling for human bodies or vehicles in pictures, real-time videos or recordings.
		Analysis of human body or vehicle pictures	30 pieces/second Format: jpeg, bmp, tif, png
		Analysis of human body or vehicle videos	20 channels (1080 P)
		Imported video analysis	Single video size ≤ 10 GB, and total video size ≤ 100 GB; Max. 40 times accelerated analysis speed; Format: ts, svac, mbf, ps, mp4, avi, asf
	*The above performance of facial analysis, vehicle analysis and video structuralization is mutually exclusive.		
Hardware	Data storage	Picture and structured data	30 million
		List library	10 million (including 3 million alarm library)
	Interface	Network interface	Gigabit Ethernet self-adaptive interface × 4
		USB interface	USB 2.0 × 2 + USB 3.0 × 2
		VGA interface	2
	General	Chassis specification	19 inch 2 U standard chassis
		Power module	Hot-plugged efficient 1+1 redundant power module
		Power consumption	750 W
		Storage temperature	-40°C to 70°C (-40°F to 158 °F)
		Working temperature	5°C to 35°C (41°F to 95 °F)
		Working humidity	8% to 90% (without condensation)
		Dimension (L × W × H)	715.5 mm × 482 mm × 86.8 mm (28.2 inch × 19.0 inch × 3.4 inch)
		Package size (L × W × H)	965 mm × 670 mm × 320 mm (38.0 inch × 29.4 inch × 12.6 inch)

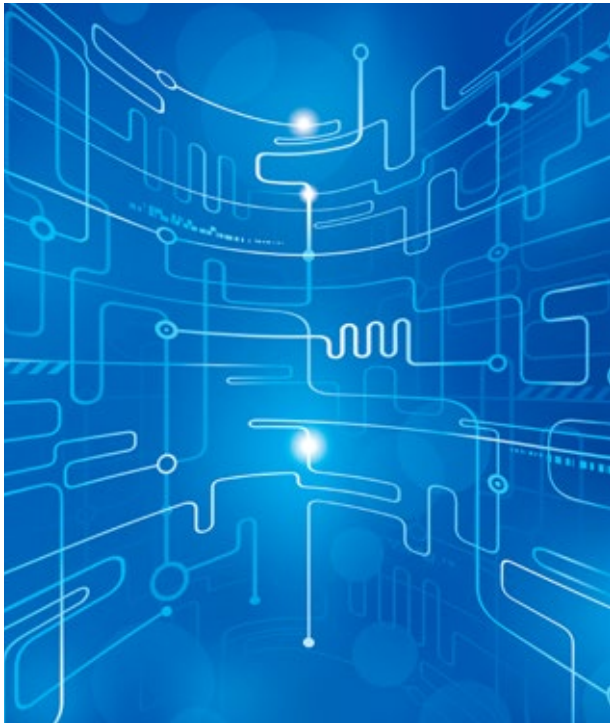
Model			DS-IX2002-A3U/X	DS-IX2003-A3U/X	DS-IX2001-A7U/LX	DS-IX2002-A7U/LX
Image			HOT	HOT	NEW	NEW
Device performance	Face picture analysis	Analysis type	Supports analysis, comparison and classification of faces in pictures, real-time videos or recordings.	Supports analysis, comparison and classification of faces in pictures, real-time videos or recordings.	Supports analysis, comparison and classification of faces in pictures, real-time videos or recordings.	Supports analysis, comparison and classification of faces in pictures, real-time videos or recordings.
		Picture analysis and comparison	240 pieces/second;Format: jpeg, bmp, tif, png	360 pieces/second;Format: jpeg, bmp, tif, png	128 pieces/second;Format: jpeg, bmp, tif, png, partial gif(static diagram)	256 pieces/second;Format: jpeg, bmp, tif, png, partial gif(static diagram)
		Video analysis and comparison	40 channels (1080 P)	60 channels (1080 P)	40 channels (1080 P)	80 channels (1080 P)
		List Library	3 million pictures in total (≤ 128 list libraries)	3 million pictures in total (≤ 128 list libraries)	3 million pictures in total (≤ 128 list libraries)	3 million pictures in total (≤ 128 list libraries)
		1 V 1 comparison	22 pairs/second	22 pairs/second	30 pairs/second	30 pairs/second
		Imported video analysis	Single video size ≤ 10 GB, and total video size ≤ 100 GB Max. 40 times accelerated analysis speed Format: ts, svac, mbf, ps, mp4, avi, asf	Single video size ≤ 10 GB, and total video size ≤ 100 GB Max. 40 times accelerated analysis speed Format: ts, svac, mbf, ps, mp4, avi, asf	Single video size ≤ 10 GB, and total video size ≤ 100 GB Max. 40 times accelerated analysis speed Format: TS, DaHua es, SVAC, MBF, PS, MP4, AVI, ASF, HIK es, Tian DI es	Single video size ≤ 10 GB, and total video size ≤ 100 GB Max. 40 times accelerated analysis speed Format: TS, DaHua es, SVAC, MBF, PS, MP4, AVI, ASF, HIK es, Tian Di es
	Video structured data analysis	Analysis Type	Supports analysis and modelling for human bodies or vehicles in pictures, real-time videos or recordings.	Supports analysis and modelling for human bodies or vehicles in pictures, real-time videos or recordings.	Supports analysis, comparison and classification of faces in pictures, real-time videos or recordings.	Supports analysis, comparison and classification of faces in pictures, real-time videos or recordings.
		Analysis of human body or vehicle pictures	60 pieces/second Format: jpeg, bmp, tif, png	90 pieces/second Format: jpeg, bmp, tif, png	80 pieces/second Format: jpeg, bmp, tif, png, partial gif(static diagram)	160 pieces/second Format: jpeg, bmp, tif, png, partial gif(static diagram)
		Analysis of human body or vehicle videos	40 channels (1080 P)	60 channels (1080 P)	40 channels (1080 P)	80 channels (1080 P)
		Imported video analysis	Single video size ≤ 10 GB, and total video size ≤ 100 GB; Max. 40 times accelerated analysis speed; Format: ts, svac, mbf, ps, mp4, avi, asf	Single video size ≤ 10 GB, and total video size ≤ 100 GB; Max. 40 times accelerated analysis speed; Format: ts, svac, mbf, ps, mp4, avi, asf	Single video size ≤ 10 GB, and total video size ≤ 100 GB Max. 40 times accelerated analysis speed Format: TS, DaHua es, SVAC, MBF, PS, MP4, AVI, ASF, HIK es, Tian DI es	Single video size ≤ 10 GB, and total video size ≤ 100 GB Max. 40 times accelerated analysis speed Format: TS, DaHua es, SVAC, MBF, PS, MP4, AVI, ASF, HIK es, Tian Di es
	*The above performance of facial analysis, vehicle analysis and video structuralization is mutually exclusive.					
	Data storage	Picture and structured data	50 million	50 million	40 million	80 million
		List library	10 million (including 3 million alarm library)	10 million (including 3 million alarm library)	3 million	3 million
Hardware	Interface	Network interface	Gigabit Ethernet self-adaptive interface × 4	Gigabit Ethernet self-adaptive interface × 4	Gigabit Ethernet self-adaptive interface × 4	Gigabit Ethernet self-adaptive interface × 4
		USB interface	USB 2.0 × 2 + USB 3.0 × 2	USB 2.0 × 2 + USB 3.0 × 2	USB 2.0 × 2 + USB 3.0 × 2	USB 2.0 × 2 + USB 3.0 × 2
		VGA interface	2	2	2	2
	General	Chassis specification	19 inch 2 U standard chassis	19 inch 2 U standard chassis	19 inch 2 U standard chassis	19 inch 2 U standard chassis
		Power module	Hot-plugged efficient 1+1 redundant power module	Hot-plugged efficient 1+1 redundant power module	Hot-plugged efficient 1+1 redundant power module	Hot-plugged efficient 1+1 redundant power module
		Power consumption	1600 W	1600 W	1100 W	1100 W
		Storage temperature	-40°C to 70°C (-40°F to 158 °F)	-40°C to 70°C (-40°F to 158 °F)	-40°C to 70°C (-40°F to 158 °F)	-40°C to 70°C (-40°F to 158 °F)
		Working temperature	5°C to 35°C (41°F to 95 °F)	5°C to 35°C (41°F to 95 °F)	5°C to 35°C (41°F to 95 °F)	5°C to 35°C (41°F to 95 °F)
		Working humidity	8% to 90% (without condensation)	8% to 90% (without condensation)	8% to 90% (without condensation)	8% to 90% (without condensation)
		Dimension (L × W × H)	715.5 mm × 482 mm × 86.8 mm (28.2 inch × 19.0 inch × 3.4 inch)	715.5 mm × 482 mm × 86.8 mm (28.2 inch × 19.0 inch × 3.4 inch)	715.5 mm × 482 mm × 86.8 mm (28.2 inch × 19.0 inch × 3.4 inch)	715.5 mm × 482 mm × 86.8 mm (28.2 inch × 19.0 inch × 3.4 inch)
		Package size (L × W × H)	965 mm × 670 mm × 320 mm (38.0 inch × 29.4 inch × 12.6 inch)	965 mm × 670 mm × 320 mm (38.0 inch × 29.4 inch × 12.6 inch)	965 mm × 670 mm × 320 mm (38.0 inch × 29.4 inch × 12.6 inch)	965 mm × 670 mm × 320 mm (38.0 inch × 29.4 inch × 12.6 inch)

Model		DS-IE1016-03U/BA	DS-IE1032-03U/BA	DS-IE1064-03U/BA
Image				
Function	Perimeter protection detection	Line crossing, region entrance/exiting, area intrusion, loitering, unattended baggage	Line crossing, region entrance/exiting, area intrusion, loitering, unattended baggage	Line crossing, region entrance/exiting, area intrusion, loitering, unattended baggage
	Street abnormal behavior detection	Physical conflict, people gathering, and falling down	Physical conflict, people gathering, and falling down	Physical conflict, people gathering, and falling down
	Situation analysis	People density, real-time people counting, and people counting	People density, real-time people counting, and people counting	People density, real-time people counting, and people counting
	Indoor behavior detection	Absence, abnormal number of people, playing mobile phone	Absence, abnormal number of people, playing mobile phone	Absence, abnormal number of people, playing mobile phone
Access Performance	Access channel	16-channel standard H.264, H.265 code stream real-time analysis	32-channel standard H.264, H.265 code stream real-time analysis	64-channel standard H.264, H.265 code stream real-time analysis
	Resolution	720p-800W (recommended 1080p)	720p-800W (recommended 1080p)	720p-800W (recommended 1080p)
	Processor	1 Intel E3 series CPU	1 Intel E3 series CPU	1 Intel E3 series CPU
	Memory	8 G DDR3	8G DDR3	8G DDR3
	Hard disk	1 built-in 240 G SSD	1 built-in 240 G SSD	1 built-in 240 G SSD
Interface	Network	4 Gigabit adaptive network ports	4 Gigabit adaptive network ports	4 Gigabit adaptive network ports
	USB 3.0	4	4	4
	USB 2.0	2	2	2
	VGA	1	1	1
	Hard Disk Interface	1 SATA interface, 1 mini-SATA interface	1 SATA interface, 1 mini-SATA interface	1 SATA interface, 1 mini-SATA interface
Others	Chassis	19-inch 1U standard chassis	19-inch 1U standard chassis	19-inch 1U standard chassis
	Power supply	Hot-swappable high-efficiency 1+1 redundant power supply	Hot-swappable high-efficiency 1+1 redundant power supply	Hot-swappable high-efficiency 1+1 redundant power supply
	Consumption (rated)	800 W	800 W	800 W
	Consumption	400 W	400 W	400 W
	Working temperature	5°C to +35°C	5°C to +35°C	5°C to +35°C
	Storage temperature	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C
	Working humidity	10% to 90%, no condensation	10% to 90%, no condensation	10% to 90%, no condensation
	Dimensions (W × D × H)	439 × 591 × 44 mm	439 × 591 × 44 mm	439 × 591 × 44 mm

General Purpose Server

Nearly Endless Applications

With high-performance hardware, General Purpose Servers have been expertly designed for various types of applications, such as in financial institutions, stock markets, transportation centers, postal and telecommunications centers, energy production, and other remote environments. These capable servers meet and exceed the strict requirements on performance, data scalability, and reliability.



Model	DS-VD22D-BHW2	DS-VD22D-BHW5	DS-VD22D-BHW6
Image			
Processor	one Intel® Xeon® SP (4110*1)	two Intel® Xeon® SP (4114*2)	two Intel® Xeon® SP (4110*2)
Memory	32G DDR4 DIMM	64G DDR4 DIMM	32G DDR4 DIMM
storage controllers	PERC H330	PERC H330	PERC H330
Drive Bays	1TB 7.2K SATA×2(RAID_1)	600G SAS 15K×4(RAID_10)	1TB 7.2K SATA×2(RAID_1)
Power supplies	495W(1+1)	495W(1+1)	495W(1+1)
Sizing	Form factor: Rack (2U) Chassis depth: 715.5 mm 715.5 × 482 × 86.8 mm (28.2 × 19.0 × 3.4 inch)	Form factor: Rack (2U) Chassis depth: 715.5 mm 715.5 × 482 × 86.8 mm (28.2 × 19.0 × 3.4 inch)	Form factor: Rack (2U) Chassis depth: 715.5 mm 715.5 × 482 × 86.8 mm (28.2 × 19.0 × 3.4 inch)
Sizing with Package	960 × 610 × 295 mm (37.8 × 24.0× 11.6 inch)	960 × 610 × 295 mm (37.8 × 24.0× 11.6 inch)	960 × 610 × 295 mm (37.8 × 24.0× 11.6 inch)
Embedded management	iDRAC9, Enterprise	iDRAC9, Enterprise	iDRAC9, Enterprise
Bezel	security bezel	security bezel	security bezel
OpenManage™ Software	OpenManage Enterprise OpenManage Mobile OpenManage Essentials OpenManage Power Center	OpenManage Enterprise OpenManage Mobile OpenManage Essentials OpenManage Power Center	OpenManage Enterprise OpenManage Mobile OpenManage Essentials OpenManage Power Center
Integrations and connections	Integrations: Microsoft® System Center, VMware® vCenter™, BMC Software Connections: Nagios & Nagios XI, Oracle Enterprise Manager, HP Operations Manager, IBM Tivoli Netcool/OMNIbus, IBM Tivoli® Network Manager, CA Network and Systems Management	Integrations: Microsoft® System Center, VMware® vCenter™, BMC Software Connections: Nagios & Nagios XI, Oracle Enterprise Manager, HP Operations Manager, IBM Tivoli Netcool/OMNIbus, IBM Tivoli® Network Manager, CA Network and Systems Management	Integrations: Microsoft® System Center, VMware® vCenter™, BMC Software Connections: Nagios & Nagios XI, Oracle Enterprise Manager, HP Operations Manager, IBM Tivoli Netcool/OMNIbus, IBM Tivoli® Network Manager, CA Network and Systems Management
Net weight	26.5 kg	26.5 kg	26.5 kg
Weight with Package	35.1 kg	35.1 kg	35.1 kg
Security	TPM 1.2/2.0 optional Cryptographically signed firmware Secure Boot System Lockdown Secure erase	TPM 1.2/2.0 optional Cryptographically signed firmware Secure Boot System Lockdown Secure erase	TPM 1.2/2.0 optional Cryptographically signed firmware Secure Boot System Lockdown Secure erase
I/O & Ports	This model is configured 4 x 1GE Front ports: Video, 2 x USB 2.0, available USB 3.0, dedicated IDRAC Direct Micro-USB Rear ports: Video, serial, 2 x USB 3.0, dedicated iDRAC network port Video card: VGA	This model is configured 4 x 1GE Front ports: Video, 2 x USB 2.0, available USB 3.0, dedicated IDRAC Direct Micro-USB Rear ports: Video, serial, 2 x USB 3.0, dedicated iDRAC network port Video card: VGA	This model is configured 4 x 1GE Front ports: Video, 2 x USB 2.0, available USB 3.0, dedicated IDRAC Direct Micro-USB Rear ports: Video, serial, 2 x USB 3.0, dedicated iDRAC network port Video card: VGA
Supported operating systems	This model is installed with Win SVR 2016 global standard system	This model is not configured by default.	This model is not configured by default.
Storage temperature	-40°C to +70°C (-40°F to 158 °F)	-40°C to +70°C (-40°F to 158 °F)	-40°C to +70°C (-40°F to 158 °F)
Working temperature	+5°C to +35°C (41°F to 95 °F)	+5°C to +35°C (41°F to 95 °F)	+5°C to +35°C (41°F to 95 °F)
Working humidity	8 % to 90 % (without condensation)	8 % to 90 % (without condensation)	8 % to 90 % (without condensation)

Model	DS-VD22D-BHW7	DS-VD22D-BHW15	DS-VD22D-BHW40	DS-VE11D-CHW01	DS-VE11D-D/HW04
Image					
Processor	two Intel® Xeon® SP (4114×2)	two Intel® Xeon® SP (4110*2)	two Intel® Xeon® SP (4210R*2)	E2124*1	E-2378*1
Memory	64G DDR4 DIMM	64G DDR4 DIMM	16G*6 DDR4 DIMM	16G DDR4 DIMM	16 GB DDR4 × 4 DIMM
storage controllers	PERC H330	PERC H330	PERC H330	H330 x 1	SAS_H345
Drive Bays	S4510 960G×3+S4610 240G*1	1TB 7.2K SATA×2(RAID_1)	1T 7.2K SATA×2(RAID_1) + 1T 7.2K SATA×2(RAID_1)	1T 7.2K SATA×2	1T 7.2K SATA×2 (RAID_1)
Power supplies	495W(1+1)	495W(1+1)	495W(1+1)	Single 250W (Bronze) power supply	Single 450W (Bronze) power supply
Sizing	Form factor: Rack (2U) Chassis depth: 715.5 mm 715.5 × 482 × 86.8 mm (28.2 × 19.0 × 3.4 inch)	Form factor: Rack (2U) Chassis depth: 715.5 mm 715.5 × 482 × 86.8 mm (28.2 × 19.0 × 3.4 inch)	Form factor: Rack (2U) Chassis depth: 715.5 mm 715.5 × 482 × 86.8 mm (28.2 × 19.0 × 3.4 inch)	Form factor: Rack (1U) Chassis width: 434.00mm (17.08 in) Chassis depth: 595.63mm (23.45 in) (3.5" HHD config) Note: These dimensions do not include: bezel, redundant PSU	Form factor: Rack (1U) • Height: 42.8 mm (1.68 inches) • Width: 482 mm (18.97 inches) • Depth: 598.64 mm (23.56 inches) with bezel
Sizing with Package	960 × 610 × 295 mm (37.8 × 24.0× 11.6 inch)	960 × 610 × 295 mm (37.8 × 24.0× 11.6 inch)	960 × 610 × 295 mm (37.8 × 24.0× 11.6 inch)	750 mm × 614 mm × 259 mm (29.53"" × 24.17"" × 10.2"")	750 mm × 614 mm × 259 mm (29.53"" × 24.17"" × 10.2"")
Embedded management	IPMI 2.0 compliant iDRAC9 with Lifecycle Controller (Express, Enterprise) Quick Sync 2 wireless module optional	iDRAC9, Enterprise	iDRAC9, Enterprise	iDRAC9 with Lifecycle Controller (Enterprise)	iDRAC9 with Lifecycle Controller (Enterprise)
Bezel	security bezel	security bezel	security bezel	–	–
OpenManage™ Software	OpenManage Enterprise OpenManage Mobile OpenManage Essentials OpenManage Power Center	OpenManage Enterprise OpenManage Mobile OpenManage Essentials OpenManage Power Center	OpenManage Enterprise OpenManage Mobile OpenManage Essentials OpenManage Power Center	–	–
Integrations and connections	Integrations: Microsoft® System Center, VMware® vCenter™, BMC Software Connections: Nagios & Nagios XI, Oracle Enterprise Manager, HP Operations Manager, IBM Tivoli Netcool/OMNIbus, IBM Tivoli® Network Manager, CA Network and Systems Management	Integrations: Microsoft® System Center, VMware® vCenter™, BMC Software Connections: Nagios & Nagios XI, Oracle Enterprise Manager, HP Operations Manager, IBM Tivoli Netcool/OMNIbus, IBM Tivoli® Network Manager, CA Network and Systems Management	Integrations: Microsoft® System Center, VMware® vCenter™, BMC Software Connections: Nagios & Nagios XI, Oracle Enterprise Manager, HP Operations Manager, IBM Tivoli Netcool/OMNIbus, IBM Tivoli® Network Manager, CA Network and Systems Management	Integrations: Microsoft® System Center VMware® vCenter™ BMC Truesight (available from BMC) Red Hat Ansible Connections: Nagios Core & Nagios XI Micro Focus Operations Manager i (OMi) IBM Tivoli Netcool/OMNIbus	Integrations: Microsoft® System Center VMware® vCenter™ BMC Truesight (available from BMC) Red Hat Ansible Connections: Nagios Core & Nagios XI Micro Focus Operations Manager i (OMi) IBM Tivoli Netcool/OMNIbus
Net weight	26.5 kg	26.5 kg	26.5 kg	12.2kg	12.2kg
Weight with Package	35.1 kg	35.1 kg	35.1 kg	18.5kg	18.5kg
Security	TPM 1.2/2.0 optional Cryptographically signed firmware Secure Boot System Lockdown Secure erase	TPM 1.2/2.0 optional Cryptographically signed firmware Secure Boot System Lockdown Secure erase	TPM 1.2/2.0 optional Cryptographically signed firmware Secure Boot System Lockdown Secure erase	–	–
I/O & Ports	This model is configured 4 x 1GE Front ports: Video, 2 x USB 2.0, available USB 3.0, dedicated IDRAC Direct Micro-USB Rear ports: Video, serial, 2 x USB 3.0, dedicated iDRAC network port Video card: VGA	This model is configured 4 x 1GE Front ports: Video, 2 x USB 2.0 Rear ports: Video, serial, 2 x USB 3.0 Video card: VGA*1	This model is configured 4 x 1GE Front ports: Video, 2 x USB 2.0 Rear ports: Video, serial, 2 x USB 3.0 Video card: VGA*1	2 x 1GbE LOM Network Interface Controller (NIC) ports Front ports: 1x USB 2.0 Rear ports: 2 x USB 3.0, VGA, serial connector	–
Supported operating systems	This model is not configured by default.	This model is not configured by default	This model is not configured by default	This model is installed with Windows Server 2016 multilingual operating system.	This model is not configured by default
Storage temperature	-40°C to +70°C (-40°F to 158 °F)	-40°C to +70°C (-40°F to 158 °F)	-40°C to +70°C (-40°F to 158 °F)	-40°C to +70°C (-40°F to 158 °F)	–
Working temperature	+5°C to +35°C (41°F to 95 °F)	+5°C to +35°C (41°F to 95 °F)	+5°C to +35°C (41°F to 95 °F)	+5°C to +35°C (41°F to 95 °F)	–
Working humidity	8 % to 90 % (without condensation)	8 % to 90 % (without condensation)	8 % to 90 % (without condensation)	8 % to 90 % (without condensation)	–
Embedded NIC	-	-	-	2 x 1GbE LOM Network Interface Controller (NIC) ports	2 x 1GbE LOM Network Interface Controller (NIC) ports
Device Access	-	-	-	Front ports: 1x USB 2.0 Rear ports: 2 x USB 3.0, VGA, serial connector	Front ports: 1 × USB 2.0 Rear ports: 1x USB 2.0, 1x USB 3.0, 1x VGA, serial 1x connector

Thermal

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HeatPro Series

Professional Protection Made Simple

Hikvision HeatPro Series Cameras feature deep-learning thermal video analytics for all-weather perimeter protection, object temperature measurement, and fire detection with real-time alarms. They are easy to configure, making the cameras ideal for SMB applications in residential, construction sites,retail, parking, museums, data centers, and other verticals.

- All-weather deterrence and alerts
- Simple, three-step deployment for perimeter protection
- Thermal video analytics with deep-learning human & vehicle classification, reducing maintenance overhead
- Temperature exception alarms for fire prevention
- Visual and auditory alarms

HeatPro

Hikvision HeatPro Series Thermal Cameras

Professional Protection Made Simple

Thermal - Single Lens

Model	HM-TD1017/QW
Image	NEW Presence Detector
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	< 50 mK (25°C, F1.2)
Pixel Pitch (Thermal)	17 μm
Resolution (Thermal)	160 × 120
Sensor (Optical)	-
Max. Resolution (Optical)	-
Min. Illumination (Optical)	-
Lens	Thermal:1 or 2mm
Field of View (Thermal)	1mm: HS111:100° (H) × 82° (V) HS111(B):110° (H) × 89° (V) 2mm: HS121 90.0° (H) × 65.3° (V)
Video Compression	H.265/H.264
Frame Rate	25 fps
Ingress Protection	-
Pan/Tilt	-
Audio Input	-
Audio Output	-
Alarm Input	-
Alarm Output	1, alarm output (alarm response actions configurable)
Power	5 to 16 VDC, type-C
Environmental Requirement	Temperature: -10°C to 50°C (14°F to 122°F) Humidity: 95% or less
VCA	People number exception and presence detection Health tracking
Fire Detection	-
Temperature Mesuring Range	-10°C to 200°C (14°F to 392°F)
Temperature Accuracy	± 8°C (± 14.4°F)

Thermal - Dual Lens

Model	DS-2TD1217-2/3/6 QA	DS-2TD1228-2/3/7 QA
Image	Audible Alarm and Strobe Light	HOT Audible Alarm and Strobe Light
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	< 40 mK (@25 °C,F# = 1.2)	< 40 mK (@25 °C,F# = 1.3)
Pixel Pitch (Thermal)	17 μm	12 μm
Resolution (Thermal)	160 × 120 (the resolution of output image is 320 × 240)	256 × 192
Sensor (Optical)	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution (Optical)	2688 × 1520	2688 × 1520
Min. Illumination (Optical)	Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON)	Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON)
Lens	Thermal: 2, 3 or 6 mm Optical: 2, 4 or 6 mm	Thermal: 2, 3 or 7 mm Optical: 2, 4 or 6 mm
Field of View (Thermal)	2 mm: 90° × 66.4° 3 mm: 50° × 37.2° 6 mm: 25.0° × 18.7°	2 mm: 90.0° × 65.4° 3 mm: 50.0° × 37.3° 7 mm: 24.9° × 18.7°
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Frame Rate	25 fps	25 fps
Ingress Protection	IP66	IP66
Pan/Tilt	-	-
Audio Input	1-ch 3.5 mm Mic in/Line in interface. Line input: 2 - 2.4 V (p-p), output impedance: 1 KΩ ± 10%	1-ch 3.5 mm Mic in/Line in interface. Line input: 2 - 2.4 V (p-p), output impedance: 1 KΩ ± 10%
Audio Output	Linear level; impedance: 600 Ω	Linear level; impedance: 600 Ω
Alarm Input	1-ch inputs (0-5 VDC)	1-ch inputs (0-5 VDC)
Alarm Output	1-ch relay outputs, alarm response actions configurable	1-ch relay outputs, alarm response actions configurable
Power	12 VDC ± 20% PoE (802.3af)	12 VDC ± 20% PoE (802.3af)
Environmental Requirement	From -40 ° C to 65 ° C (-40 ° F to 149 ° F); Humidity: 95% or less	From -40 ° C to 65 ° C (-40 ° F to 149 ° F); Humidity: 95% or less
VCA	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting
Temperature Mesuring Range	-20 °C to +150 °C (-4 °F to +302 °F)	-20 °C to +150 °C (-4 °F to +302 °F)
Temperature Accuracy	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)

Model	DS-2TD2617-3/6/10 QA	DS-2TD2628-3/7/10 QA
Image	Audible Alarm and Strobe Light	HOT Audible Alarm and Strobe Light
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	< 40 mK (@25 °C,F# = 1.2)	< 40 mK (@25 °C,F# = 1.3)
Pixel Pitch (Thermal)	17 μm	12 μm
Resolution (Thermal)	160 × 120 (the resolution of output image is 320 × 240)	256 × 192
Sensor (Optical)	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution (Optical)	2688 × 1520	2688 × 1520
Min. Illumination (Optical)	Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON)	Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON)
Lens	Thermal: 3, 6 or 10 mm Optical: 4, 6 or 8 mm	Thermal: 3, 7 or 10 mm Optical: 4, 6 or 8 mm
Field of View (Thermal)	3 mm: 50° × 37.2° 6 mm: 25.0° × 18.7° 10 mm: 15.96° × 12°	3 mm: 50.0° × 37.3° 7 mm: 24.9° × 18.7° 10 mm: 18.0° × 13.5°
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Frame Rate	25 fps	25 fps
Ingress Protection	IP67	IP67
Pan/Tilt	-	-
Audio Input	1-ch 3.5 mm Mic in/Line in interface. Line input: 2 - 2.4 V [p-p], output impedance: 1 KΩ ± 10%	1-ch 3.5 mm Mic in/Line in interface. Line input: 2 - 2.4 V [p-p], output impedance: 1 KΩ ± 10%
Audio Output	Linear level; impedance: 600 Ω	Linear level; impedance: 600 Ω
Alarm Input	2-ch inputs (0-5 VDC)	2-ch inputs (0-5 VDC)
Alarm Output	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable
Power	12 VDC ± 20% PoE (802.3af)	12 VDC ± 20% PoE (802.3af)
Environmental Requirement	From -40 ° C to 65 ° C (-40 ° F to 149 ° F); Humidity: 95% or less	From -40 ° C to 65 ° C (-40 ° F to 149 ° F); Humidity: 95% or less
VCA	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting
Temperature Mesuring Range	-20 °C to +150 °C (-4 °F to +302 °F)	-20 °C to +150 °C (-4 °F to +302 °F)
Temperature Accuracy	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)

Model	DS-2TD1228T-2QA/3QA	DS-2TD2628T-3QA/7QA
Image	HOT NEW Audible Alarm and Strobe Light	HOT NEW Audible Alarm and Strobe Light
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	< 40 mK (@ 25°C,F# = 1.0)	< 40 mK (@25° C,F# = 1.0)
Pixel Pitch (Thermal)	12 μm	12 μm
Resolution (Thermal)	256 × 192	256 × 192
Sensor (Optical)	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution (Optical)	2688 × 1520	2688 × 1520
Min. Illumination (Optical)	2QA: Color: 0.0176Lux @ (F2.25, AGC ON), 0 Lux with IR Color: 3QA: 0.0089Lux @ (F1.6, AGC ON), 0 Lux with IR	Color: 0.0089Lux @ (F1.6, AGC ON), 0 Lux with IR
Lens	Thermal: 2or 3mm Optical: 2 or 3mm	Thermal: 3 or 7mm Optical: 4 or 6 mm
Field of View (Thermal)	2mm:90.0° × 65.4° (H × V) 3mm:50.0° × 37.3° (H × V)	3mm:50.0° × 37.3° (H × V) 7mm:24.9° × 18.7° (H × V)
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Frame Rate	25 fps	25 fps
Ingress Protection	IP66	IP67
Pan/Tilt		
Audio Input	1, 3.5 mm Mic in/Line in interface Line input: 2 to 2.4 V [p-p], output impedance: 1 KΩ ± 10%	1, 3.5 mm Mic in/Line in interface Line input: 2 to 2.4 V [p-p], output impedance: 1 KΩ ± 10%
Audio Output	Linear level, impedance: 600 Ω	Linear level, impedance: 600 Ω
Alarm Input	1, alarm input (0 to 5 VDC)	2, alarm input (0 to 5 VDC)
Alarm Output	1, alarm output (alarm response actions configurable)	2, alarm output (alarm response actions configurable)
Power	12 VDC ± 25% PoE (802.3af)	24 VAC ± 25%, 12 VDC ± 25%, two-core terminal block PoE (802.3af)
Environmental Requirement	Temperature: -40°C to 65°C (-40°F to 149°F) ;Humidity: 95% or less	Temperature: -40°C to 65°C (-40°F to 149°F) Humidity: 95% or less
VCA	line crossing, intrusion, region entrance, and region exiting	line crossing, intrusion, region entrance, and region exiting
Fire Detection	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.
Temperature Mesuring Range	-20°C to 550°C (-4°F to 1022°F)	-20°C to 550°C (-4°F to 1022°F)
Temperature Accuracy	Max. (± 2°C, ± 2%)	Max. (± 2°C, ± 2%)

Presence Detectors

Professional Protection Made Simple

Compared with conventional thermal cameras, presence detectors feature a more compact and discrete design. At the same time, thermal imaging protects user privacy by not capturing detailed features that allow personal identification. Furthermore, the detectors' ultra-low power consumption makes them adaptable to a variety of installation conditions. Therefore, these presence detectors are used widely in nursing homes, banks, apartments, and many other scenarios.

- Out of room, out of bed, and leave-without-return detection
- Privacy protection using thermal imaging
- Friendly design, suitable for indoor use
- Built-in temperature measurement algorithm, -10° to 200° C (14° to 392° F), ± 8° C (± 14.4° F)
- Human presence detection and person-number anomaly detection

Security Group Cameras

See the World in a New Way

Hikvision's Thermal Security Cameras feature deep-learning thermal video analytics for all-weather perimeter protection, object temperature measurement, and fire detection with real-time alarms. They feature expert design for high value infrastructure applications in power stations, substations, airports, warehouses, and other verticals.

- All-weather deterrence and alerts
- Thermal video analytics with deep-learning human & vehicle classification, reducing maintenance overhead
- Temperature exception alarms for fire prevention
- Multiple model options covering short and long range demands

Thermal - Single Lens

Model	DS-2TD2138-7QY/10QY/15QY/25QY	DS-2TD2137-4PY	DS-2TD2167-7PY/15PY/25PY/35PY	DS-2TD2367-PY
Image	NEW Anti-corrosion	HOT Anti-corrosion	HOT Anti-corrosion	HOT Anti-corrosion
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	< 35 mk (@25°C,F#=1.0)	< 35 mk (@25°C,F#=1.0)	< 35 mk (@25°C,F#=1.0)	< 35 mk (@25°C,F#=1.0)
Pixel Pitch (Thermal)	12 µm	17 µm	17 µm	17 µm
Resolution (Thermal)	384 × 288	384 × 288	640 × 512	640 × 512
Sensor (Optical)		-	-	
Max. Resolution (Optical)		-	-	
Min. Illumination (Optical)		-	-	
Lens	7, 10, 15, or 25 mm	4	7, 15, 25 or 35 mm	50, 75 or 100 mm
Field of View (Thermal)	7 mm: 42.0° × 32.0° 10 mm: 26.0° × 20.0° 15 mm: 17.0° × 13.0° 25 mm: 11.0° × 8.0°	4 mm:90° x 65.3°	7 mm: 88.5° x 73.2° 15 mm: 42.5° x 33.6° 25 mm: 24.55° x 19.75° 35 mm: 17.67° x 14.18°	50 mm: 12.4° x 10° 75 mm: 8.3° x 6.6° 100 mm: 6.22 x 4.96
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Frame Rate	25 fps	25 fps	25 fps	25 fps
Ingress Protection	IP67	IP67	IP67	IP67
Pan/Tilt		-	-	
Audio Input	1 3.5mm Mic in/Line in interface. Line input: 2-2.4 V[p-p], output impedance:1 KΩ ± 10%	1 3.5mm Mic in/Line in interface. Line input: 2-2.4 V[p-p], output impedance:1 KΩ ± 10%	1 3.5mm Mic in/Line in interface. Line input: 2-2.4 V[p-p], output impedance:1 KΩ ± 10%	1 3.5mm Mic in/Line in interface. Line input: 2-2.4 V[p-p], output impedance:1 KΩ ± 10%
Audio Output	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω
Alarm Input	2-ch inputs (0-5 VDC)	2-ch inputs (0-5 VDC)	2-ch inputs (0-5 VDC)	2-ch inputs (0-5 VDC)
Alarm Output	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable
Power	24 VAC ± 25%, 12 VDC ± 25%; PoE (802.3af, class 3)	24 VAC ± 25%, 12 VDC ± 25%; PoE (802.3af, class 3)	12 VDC ± 20% PoE (802.3af) 24 VAC ± 25%	"24 VAC ± 25%, 12 VDC ± 25%; PoE (802.3af, class 3)"
Environmental Requirement	Temperature: -40 °C to 65 °C (-40 °F to 149 °F) Humidity: 90% or less	Temperature: -40 °C to 65 °C (-40 °F to 149 °F) Humidity: 90% or less	Temperature: -40 °C to 65 °C (-40 °F to 149 °F) Humidity: 90% or less	Temperature: -40 °C to 65 °C (-40 °F to 149 °F) Humidity: 90% or less
VCA	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting
Fire Detection		Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.
Temperature Mesuring Range	-20 °C to +150 °C (-4 °F to +302 °F)	-20 °C to +150 °C (-4 °F to +302 °F)	-20 °C to +150 °C (-4 °F to +302 °F)	-20 °C to +150 °C (-4 °F to +302 °F)
Temperature Accuracy	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)

Model	DS-2TD2637-7QY/10QY/15QY/25QY/35QY	DS-2TD2667-15PY/25PY/35PY	DS-2TXS2628/QA/GLT/CH30S80	DS-2TX3742-10A/15A/25A/35A/P	DS-2TX3742-10A/15A/25A/35A/Q	DS-2TX3742-10P/15P/25P/35P/P
Image	NEW Anti-corrosion	Anti-corrosion	HOT NEW Standalone security site, solar panels, 4G connectivity		NEW	
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	< 35 mK (25°C, F1.0)	< 35 mk (@25 °C,F# = 1.0)	≤ 40 mK (@25° C,F# = 1.0)	< 35 mk (@25 °C,F#=1.0)	< 35 mk (@25 °C,F#=1.0)	< 35 mk (@25 °C,F#=1.0)
Pixel Pitch (Thermal)	17 µm	17 µm	12 µm	17 µm	17 µm	17 µm
Resolution (Thermal)	384 x 288	640 x 512	256 x 192	384 × 288	384 × 288	384 × 288
Sensor (Optical)	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution (Optical)	2688 × 1520	2688 × 1520	2688 × 1520	2688 × 1520	2688 × 1520, 4 MP	2688 × 1520
Min. Illumination (Optical)	0.0089Lux @(F1.6,AGC ON) ,0 Lux with IR	Color: 0.0089 Lux @(F1.6, AGC ON), B/W: 0.0018 Lux @(F1.6, AGC ON)	0.0089Lux @(F1.6,AGC ON) ,0 Lux with IR	Color: 0.0089 Lux @(F1.6, AGC ON), B/W: 0.0018 Lux @(F1.6, AGC ON)	Color: 0.0089 Lux @(F1.6, AGC ON), B/W: 0.0018 Lux @(F1.6, AGC ON)	Color: 0.0089 Lux @(F1.6, AGC ON), B/W: 0.0018 Lux @(F1.6, AGC ON)
Lens	Thermal: 7 mm, 10 mm, 15 mm, 25mm or 35mm Optical: 4mm, 4mm, 6mm, 12mm or 15mm	Thermal: 15 mm, 25 mm or 35 mm Optical: 4mm, 6mm, 8mm	Theraml:3mm,7mm,10mm Optical: 4mm, 6mm, 8mm	Thermal: 10,15,25 or 35 mm Optical: 6.0-252 mm	Bullet-Thermal: 10,15,25 or 35 mm Bullet-Optical: 4, 6, 12, 14.8mm Speed Dome-Optical: 6.0 - 252 mm	Thermal:10,15,25 or 35 mm Optical: 6.0-252 mm
Field of View (Thermal)	7mm:60° × 44.1° 10mm:37.5° × 28.5° 15mm:51.7° × 28° 25mm:14.9° × 11.2° 35mm:10.7° × 8°	15mm: 42.5° × 33.6° 25mm: 24.55° × 19.75° 35mm: 17.67° × 14.18°	3mm:50.0° × 37.3° 7mm:24.9° × 18.7° 10mm:18.0° × 13.5°	10mm: 37.5°× 28.5° 15mm: 24.5° × 18.5° 25mm: 14.9° × 11.2° 35mm: 10.7° × 8°	"10mm:37.5° × 28.5° (H × V) 15mm: 24.5° × 18.5° (H × V) 25mm: 14.9° × 11.2° (H × V) 35mm: 10.7° × 8° (H × V)"	10mm: 37.5° × 28.5° 15mm: 24.5° × 18.5° 25mm: 14.9° × 11.2° 35mm: 10.7° × 8°
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Frame Rate	25 fps	25fps	25 fps	25fps	25fps	25fps
Ingress Protection	IP67	IP67	IP67	IP66	IP66	IP66
Pan/Tilt	-	-	-	Pan: 360°, Tilt: -20° to 90°	Pan: 360°, Tilt: -20° to 90°	Pan: 360°, Tilt: -20° to 90°
Audio Input	1, 3.5 mm Mic in/Line in interface Line input: 2 - 2.4 V [p-p], output impedance: 1 KΩ ± 10%	1, 3.5 mm Mic in/Line in interface. Line input: 2 to 2.4 V [p-p], output impedance: 1 KΩ ± 10%	1, 3.5 mm Mic in/Line in interface Line input: 2 to 2.4 V [p-p], output impedance: 1 KΩ ± 10%	1-ch 3.5 mm Mic in/Line in interface. Line input: 2-2.4V[p-p], output impedance: 1 KΩ ± 10%	1, 3.5 mm Mic in/Line in interface. Line input: 2-2.4 V [p-p], output impedance: 1 KΩ ± 10%	1-ch 3.5 mm Mic in/Line in interface. Line input: 2-2.4V[p-p], output impedance: 1 KΩ ± 10%
Audio Output	Linear level, impedance: 600 Ω	Linear level, impedance: 600 Ω	Linear level, impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear level, impedance: 600 Ω	Linear Level; Impedance: 600 Ω
Alarm Input	2, alarm input (0-5 VDC)	2-ch inputs (0-5 VDC)	2, alarm input (0-5 VDC)	Up to 7-ch inputs (0-5 VDC)	Bullet: 2, alarm input (0-5 VDC) 2, alarm output Speed Dome: 7, alarm input (0-5 VDC)	Up to 7-ch inputs (0-5 VDC)
Alarm Output	2, alarm output (alarm response actions configurable)	2-ch relay outputs, alarm response actions configurable	2, alarm output (alarm response actions configurable)	2-ch relay outputs, alarm response actions configurable	Bullet: 2-ch relay outputs, alarm response actions configurable Speed Dome: 2, alarm output	2-ch relay outputs, alarm response actions configurable
Power	24 VAC ± 25%, 12 VDC ± 25% PoE (802.3af, class 3)	24 VAC± 25%, 12 VDC± 25%; PoE (802.3af, class 3)	12 VDC ± 25% PoE (802.3af, class 3)	24 VAC ± 25%	24 VAC ± 25%	24 VAC ± 25%
Environmental Requirement	Temperature: -40°C to 65°C (-40°F to 149°F) Humidity: 95% or less	Temperature: -40 °C to 65 °C (-40 °F to 149 °F) Humidity: 95% or less	Temperature: -40°C to 65°C (-40°F to 149°F) Humidity: 95% or less	From -40 ° C to 65 ° C (-40 ° F to 149 ° F); Humidity: 90% or less	From -40 ° C to 65 ° C (-40 ° F to 149 ° F); Humidity: 90% or less	From -40 ° C to 65 ° C (-40 ° F to 149 ° F); Humidity: 90% or less
VCA	(line crossing, intrusion, region entrance, and region exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	line crossing, intrusion, region entrance, and region exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting
Fire Detection	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.
Temperature Mesuring Range	-20 °C to 150 °C (-4 °F to 302 °F)	-20 °C to +150 °C (-4 °F to +302 °F)	-20°C to 150°C (-4°F to 302°F)	-20° C to 150° C (-4 °F to +302°F)	-20° C to 150° C (-4 °F to +302°F)	-20° C to 150° C (-4 °F to +302°F)
Temperature Accuracy	± 8 °C (±14.4 °F)	± 8 °C (± 14.4 °F)	± 8°C (± 14.4°F)	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)

Model	DS-2TX3742-10P/15P/25P/35P/Q	DS-2TD4137-25W/50W	DS-2TD4137-25WY/50WY	DS-2TD4167-25W/50W
Image	NEW		HOT Anti-corrosion	
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	< 35 mk (@25 °C,F#=1.0)	< 40 mk (@25°C,F#=1.0)	< 40 mk (@25°C,F#=1.0)	< 40 mk (@25°C,F#=1.0)
Pixel Pitch (Thermal)	17 μm	17 μm	17 μm	17 μm
Resolution (Thermal)	384 × 288	384 × 288	384 × 288	640 × 512
Sensor (Optical)	1/2.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution (Optical)	2688 × 1520, 4 MP	2688 × 1520	2688 × 1520	2688 × 1520
Min. Illumination (Optical)	Color: 0.0089 Lux @(F1.6, AGC ON), B/W: 0.0018 Lux @ (F1.6, AGC ON)	Color: 0.005 Lux @ (F1.3, AGC ON) B/W: 0.001 Lux @ (F1.3, AGC ON)	Color: 0.005 Lux @ (F1.3, AGC ON) B/W: 0.001 Lux @ (F1.3, AGC ON)	Color: 0.005 Lux @ (F1.3, AGC ON) B/W: 0.001 Lux @ (F1.3, AGC ON)
Lens	Bullet-Thermal: 10,15,25 or 35 mm Bullet-Optical: 4, 6, 12, 14.8mm Speed Dome-Optical: 6.0 - 252 mm	Thermal: 25 or 50 mm Optical: 6-240 mm	Thermal: 25 or 50 mm Optical: 6-240 mm	Thermal: 25 or 50 mm Optical: 6-240 mm
Field of View (Thermal)	10mm:37.5° × 28.5° (H × V) 15mm: 24.5° × 18.5° (H × V) 25mm: 14.9° × 11.2° (H × V) 35mm: 10.7° × 8° (H × V)	25 mm: 14.9° × 11.2° 50 mm: 7.5° × 5.6°	25 mm: 14.9° × 11.2° 50 mm: 7.5° × 5.6°	25 mm: 24.5° × 19.7° 50 mm: 7.5° × 5.6°
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Frame Rate	25fps	Thermal: 50fps Optical: 25fps	Thermal: 50fps Optical: 25fps"	Thermal: 50fps Optical: 25fps
Ingress Protection	IP66	IP66	IP66	IP66
Pan/Tilt	Pan: 360°, Tilt: -20° to 90°	Pan: 360° Continuous Rotate; Tilt: From -20° to + 90° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -20° to + 90° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -20° to + 90° (auto flip)
Audio Input	1, 3.5 mm Mic in/Line in interface. Line input: 2-2.4 V (p-p), output impedance: 1 KΩ ± 10%	1-ch 3.5 mm Mic in/Line in interface. Line input: 2-2.4V(p-p), output impedance: 1 KΩ ± 10%	1-ch 3.5 mm Mic in/Line in interface. Line input: 2-2.4V(p-p), output impedance: 1 KΩ ± 10%	1-ch 3.5 mm Mic in/Line in interface. Line input: 2-2.4V(p-p), output impedance: 1 KΩ ± 10%
Audio Output	Linear level, impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω
Alarm Input	Bullet: 2, alarm input (0-5 VDC) 2, alarm output Speed Dome: 7, alarm input (0-5 VDC)	Up to 7-ch inputs (0-5 VDC)	Up to 7-ch inputs (0-5 VDC)	Up to 7-ch inputs (0-5 VDC)
Alarm Output	Bullet: 2-ch relay outputs, alarm response actions configurable Speed Dome: 2, alarm output	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable
Power	24 VAC ± 25%	24 VAC ± 25%	24 VAC ± 25%	24 VAC ± 25%
Environmental Requirement	From -40 ° C to 65 ° C (-40 ° F to 149 ° F); Humidity: 90% or less	From -40 ° C to 65 ° C (-40 ° F to 149 ° F); Humidity: 95% or less	From -40 ° C to 65 ° C (-40 ° F to 149 ° F); Humidity: 95% or less	From -40 ° C to 65 ° C (-40 ° F to 149 ° F); Humidity: 95% or less
VCA	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting
Fire Detection	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.
Temperature Mesuring Range	-20° C to 150° C (-4 °F to +302°F)	-20° C to 150° C (-4 °F to +302°F)	-20° C to 150° C (-4 °F to +302°F)	-20° C to 150° C (-4 °F to +302°F)
Temperature Accuracy	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)

Model	DS-2TD4167-25WY/50WY	DS-2TD4237-10V2/25V2	DS-2TD4228-10/W	DS-2TD6237-25W/50W
Image	HOT Anti-corrosion		HOT	
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	< 40 mk (@25°C,F#=1.0)	< 40 mk (@25°C,F#=1.0)	≤ 35 mK (@25°C,F# = 1.0)	NETD ≤ 35 mK (25 °C, F# = 1.0)
Pixel Pitch (Thermal)	17 µm	17 µm	12µm	17 µm
Resolution (Thermal)	640 × 512	384 × 288	256 × 192	384 × 288
Sensor (Optical)	1/1.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	Thermal: 10mm Optical: 4.8-153mm, 32x	Thermal: 25 or 50mm Opticao:6 to 240 mm
Max. Resolution (Optical)	2688 × 1520	1920 × 1080	1/2.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Min. Illumination (Optical)	Color: 0.005 Lux @ (F1.3, AGC ON) B/W: 0.001 Lux @ (F1.3, AGC ON)	Color: 0.05 lux @ (F1.2 , AGC On) B/W : 0.01 lux @ (F1.2 , AGC On)	2688 × 1520, 4 MP	2688 × 1520
Lens	Thermal: 25 or 50 mm Optical: 6-240 mm	Thermal: 10 or 25 mm Optical: 4.8-153 mm	Color: 0.05 lux @ (F1.2, AGC On) B/W: 0.01 lux @ (F1.2, AGC On)	Color: 0.0005 Lux @ (F1.5, AGC ON), B/W: 0.0001 Lux @ (F1.5, AGC ON)
Field of View (Thermal)	25 mm: 24.5° × 19.7° 50 mm: 7.5° × 5.6°	10 mm: 37.7° × 28.7° 25 mm: 14.88° × 11.19°	10mm: 18° × 13.5°	25mm:14.88° × 11.19° 50mm: 7.47° × 5.61°
Video Compression	H.265/H.264/MJPEG	H.265/H.264	H.265+/H.265/H.264+/ H.264/MJPEG	H.265+/H.265/H.264+/ H.264
Frame Rate	Thermal: 50fps Optical: 25fps	25 fps	50fps	50 fps
Ingress Protection	IP66	IP66	IP66	IP66
Pan/Tilt	Pan: 360° Continuous Rotate; Tilt: From -20° to + 90° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -5° to + 90°(auto flip)	Pan: 360° Continuous Rotate; Tilt: From -5° to + 90° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -90° to + 40° (auto flip)
Audio Input	1-ch 3.5 mm Mic in/Line in interface. Line input: 2-2.4V[p-p], output impedance: 1 KΩ ± 10%	1-ch 3.5 mm Mic in/Line in interface. Line input: 2-2.4V[p-p], output impedance: 1 KΩ ± 10%	1-ch 3.5mm Mic in/Line in interface. Line input: 2-2.4V[p-p], output impedance: 1 KΩ ± 10%	1, 3.5 mm Mic in/Line in interface. Line input: 2 to 2.4 V [p-p], output impedance: 1 KΩ ± 10%
Audio Output	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear level, impedance: 600 Ω
Alarm Input	Up to 7-ch inputs (0-5 VDC)	Up to 7-ch inputs (0-5 VDC)	Up to 7-ch input (0-5 VDC)	7-ch inputs (0 to5 VDC)
Alarm Output	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable
Power	24 VAC ± 25%	24 VAC ± 25%	24 VAC ± 20%: 0.88 A, max. 30 W 48 VDC ± 20%: 0.625 A, max. 30 W	24 VAC ± 20%, 36 VDC ± 20% 48 VDC ± 15%, 5 A, max. 120 W
Environmental Requirement	From -40 ° C to 65 ° C (-40 ° F to 149 ° F); Humidity: 95% or less	From -40 ° C to 65 ° C (-40 ° F to 149 ° F); Humidity: 90% or less	From -40°C to 65°C (-40°F to 149°F); Humidity: 95% or Less	From -40 ° C to 65 ° C (-40 ° F to 149 ° F); Humidity: 95% or less
VCA	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, and Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, and Region Exiting
Fire Detection	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.
Temperature Mesuring Range	-20° C to 150° C (-4 °F to +302°F)	-20 °C to +150 °C (-4 °F to +302 °F)	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)
Temperature Accuracy	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)	± 8°C (±14.4°F)	± 8°C (±14.4°F)

Model	DS-2TD6267-50H4LW/75C4LW/100C4LW	DS-2TD6267-75C4LWY/100C4LWY	DS-2TD6567T-25/-50/H4LX/W	DS-2TD8167-150ZC4FW/150ZE2FW/190ZE2FW/230ZG2FW/
Image		HOT Anti-corrosion	NEW Explosion-proof	
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	< 35 mk (@25°C,F#=1.0)	< 35 mk (@25°C,F#=1.0)	≤ 35 mK (@25° C,F# = 1.0)	< 35 mk (@25°C,F#=1.0)
Pixel Pitch (Thermal)	17 μm	17 μm	17 μm	17 μm
Resolution (Thermal)	640 × 512	640 × 512	640 × 512	640 × 512
Sensor (Optical)	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8'' Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution (Optical)	2688 × 1520	2688 × 1520	2688 × 1520, 4MP	-C: 2688 × 1520 -E: 1920 × 1080
Min. Illumination (Optical)	Color: 0.005 Lux @ (F1.3, AGC ON) B/W: 0.001 Lux @ (F1.3, AGC ON)	Color: 0.005 Lux @ (F1.3, AGC ON) B/W: 0.001 Lux @ (F1.3, AGC ON)	Color: 0.005 Lux @ (F1.3, AGC ON), B/W: 0.001 Lux @ (F1.3, AGC ON)	-C: Color: 0.0005 lux @ (F1.5, AGC ON -C: B/W: 0.0001 lux @ (F1.5, AGC ON) -E: Color: 0.005 lux @ (F3.5, AGC ON) -E: B/W: 0.0005 lux @ (F3.5, AGC ON)
Lens	Thermal: 50, 75 or 100 mm Optical: H (6-240 mm) / C (6-336 mm)	Thermal: 75 or 100 mm Optical: H (6-240 mm) / C (6-336 mm)	"Thermal: 25 or 50 mm Optical: 6-240mm,40x"	Thermal: 150 / 190 / 230 mm Optical: -C: 6.7-330 mm -E: 12.5-775 mm -G: 16.7-1000 mm
Field of View (Thermal)	50 mm: 12.42° × 9.95° 75 mm: 8.3° × 6.64° 100 mm: 6.23° × 4.98°	75 mm: 8.3° × 6.64° 100 mm: 6.23° × 4.98°	"25mm: 24.9° × 20° (H × V) 50mm: 12.4° × 10° (H × V)"	150 mm: 20.56° × 16.51° 190 mm: 17.19° × 13.79° 230 mm: 26.61° × 21.43°
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265+/H.265/H.264+/ H.264/MJPEG	H.265/H.264/MJPEG
Frame Rate	25 fps	25 fps	25 fps	25 fps
Ingress Protection	IP66	IP66	IP68	IP66
Pan/Tilt	Pan: 360° Continuous Rotate; Tilt: From -90° to + 40° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -90° to + 40° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -90° to + 90° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -45 ° to + 45 ° (auto flip)
Audio Input	1-ch 3.5 mm Mic in/Line in interface. Line input: 2-2.4V[p-p], output impedance: 1 KΩ ± 10%	1-ch 3.5 mm Mic in/Line in interface. Line input: 2-2.4V[p-p], output impedance: 1 KΩ ± 10%	LINE_IN Input/MIC Input; Peak: From 2 to 2.4V[p-p]; Output Impedance: 1KΩ±10%	1-ch 3.5 mm Mic in/Line in interface. Line input: 2-2.4V[p-p], output impedance: 1KΩ ± 10%
Audio Output	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600Ω	Linear Level; Impedance: 600 Ω
Alarm Input	Up to 7-ch inputs (0-5 VDC)	Up to 7-ch inputs (0-5 VDC)	7-ch inputs (0 to 5 VDC)	Up to 7-ch inputs (0-5 VDC)
Alarm Output	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable
Power	24 VAC ± 25%	24 VAC ± 25%	AC 100-240V: max. 0.6A, 75 W	48 VDC, 220 W
Environmental Requirement	From -40 ° C to 65 ° C (-40 ° F to 149 ° F); Humidity: 90% or less	From -40 ° C to 65 ° C (-40 ° F to 149 ° F); Humidity: 90% or less	From -40°C to 60°C (-40°F to 140°F); Humidity: 90% or Less	From -40 ° C to 65 ° C (-40 ° F to 149 ° F); Humidity: 95% or less
VCA	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), 10 scenes and 8 VCA rules for each scene.	Line Crossing, Intrusion, Region Entrance, Region Exiting
Fire Detection	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire and smoke detection, up to 10 fire points and 10 smoke points detectable.	Dynamic fire detection, up to 10 fire points detectable.
Temperature Mesuring Range	-20° C ~ 150° C (-4 °F to +302°F)	-20° C ~ 150° C (-4 °F to +302°F)	-20 °C to 550 °C (-4 °F to 1022 °F)	-20° C ~ 150° C (-4 °F to +302°F)
Temperature Accuracy	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)	Max (±2°C, ±2%)	± 8 °C (± 14.4 °F)

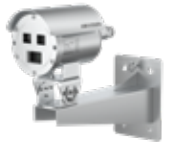
Model	DS-2TD8167-190ZE2FLW/230ZG2FLW	DS-2TD8167-190ZE2FWY/230ZG2FWY	DS-2TD95C8-150ZE4FL/W	DS-2TD95C8-190/-300ZK2FL/W
Image		HOT Anti-corrosion	HOT NEW 	HOT NEW
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	VOx Uncooled Focal Plane Arrays	VOx Uncooled Focal Plane Arrays
NETD	< 35 mk (@25°C,F#=1.0)	< 35 mk (@25°C,F#=1.0)	< 35 mk (@25°C,F#=1.0)	< 35 mk (@25°C,F#=1.0)
Pixel Pitch (Thermal)	17 μm	17 μm	12 μm	12 μm
Resolution (Thermal)	640 × 512	640 × 512	1280 × 1024 (the resolution of output image is 1920 × 1080)	1280 × 1024 (the resolution of output image is 1920 × 1080)
Sensor (Optical)	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution (Optical)	1920 × 1080	1920 × 1080	1920 × 1080, 2 MP	1920 × 1080, 2 MP
Min. Illumination (Optical)	Color: 0.005 lux @ (F3.5, AGC ON) B/W: 0.0005 lux @ (F3.5, AGC ON)	Color: 0.005 lux @ (F3.5, AGC ON) B/W: 0.0005 lux @ (F3.5, AGC ON)	Color: 0.005 Lux @ (F3.5, AGC ON), B/W: 0.0005 Lux @ (F3.5, AGC ON)	Color: 0.005 Lux @ (F3.5, AGC ON), B/W: 0.0005 Lux @ (F3.5, AGC ON)
Lens	Thermal: 190 or 230 mm Optical: 12.5-775 / 16.7-1000 mm	Thermal: 190 or 230 mm Optical: 12.5-775 / 16.7-1000 mm	"Thermal: 30 to 150 mm Optical: 10 to 800 mm, 80x"	"Thermal:38 to 190 mm/ 30 to 300 mm Optical: 10 to 1000 mm, 100x / 10 to 1000 mm, 100x"
Field of View (Thermal)	190 mm: 17.19° × 13.79° 230 mm: 26.61° × 21.43°	190 mm: 32.13° × 18.4° 230 mm: 24.33° × 13.83°	28.7° × 23.2° (H × V) to 5.9° × 4.7° (H × V)	24.4° × 19.6° (H × V) to 4.6° × 3.7° (H × V) / 28.7° × 23.2° (H × V) to 2.9° × 2.4° (H × V)
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Frame Rate	25 fps	25 fps	25fps	25fps
Ingress Protection	IP66	IP66	IP67	IP67
Pan/Tilt	Pan: 360° Continuous Rotate; Tilt: From -45 ° to + 45 ° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -45 ° to + 45 ° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -45° to + 45° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -45° to + 45° (auto flip)
Audio Input	1-ch 3.5 mm Mic in/Line in interface. Line input: 2-2.4V[p-p], output impedance: 1KΩ ± 10%	1-ch 3.5 mm Mic in/Line in interface. Line input: 2-2.4V[p-p], output impedance: 1KΩ ± 10%	1, 3.5 mm Mic in/Line in interface. Line input: 2 to 2.4 V [p-p], output impedance: 1 KΩ ± 10%	1, 3.5 mm Mic in/Line in interface. Line input: 2 to 2.4 V [p-p], output impedance: 1 KΩ ± 10%
Audio Output	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω
Alarm Input	Up to 7-ch inputs (0-5 VDC)	Up to 7-ch inputs (0-5 VDC)	2-ch inputs (0 to 5 VDC)	2-ch inputs (0 to 5 VDC)
Alarm Output	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable
Power	48 VDC, 220 W	48 VDC, 220 W	48 VDC ± 20%, 180 W; Max. 460 W with deicing heating	48 VDC ± 20%, 180 W; Max. 460 W with deicing heating
Environmental Requirement	From -40 ° C to 65 ° C (-40 ° F to 149 ° F); Humidity: 95% or less	From -40 ° C to 65 ° C (-40 ° F to 149 ° F); Humidity: 95% or less	From -40°C to 70°C (-40°F to 158°F); Humidity: 90% ± 3% (no condensation)	From -40°C to 70°C (-40°F to 158°F); Humidity: 90% ± 3% (no condensation)
VCA	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Support 4 VCA rule types (Line Crossing, Intrusion, Region Entrance, and Region Exiting), up to 10 scenes and 8 VCA rules for each scene	Support 4 VCA rule types (Line Crossing, Intrusion, Region Entrance, and Region Exiting), up to 10 scenes and 8 VCA rules for each scene
Fire Detection	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire point detection, up to 10 fire points detectable.	Dynamic fire point detection, up to 10 fire points detectable.
Temperature Mesuring Range	-20° C ~ 150° C (-4 °F to +302°F)	-20° C ~ 150° C (-4 °F to +302°F)	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)
Temperature Accuracy	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)	± 8°C (± 14.4°F)	± 8°C (± 14.4°F)

Thermography Group Products

Any Moment, Any Condition

Hikvision's Thermographic Cameras have been used widely for temperature detection in regions of interest, inspection on potential heat sources, and failure detection in noncontact electromechanical systems. They meet high demands for substations, hydropower stations, waste treatment plants, manufacturing workshops, and similar applications.

- Accurate temperature measurement, up to ±2 °C (±3.6 °F) or ±2 %
- 24/7 real-time measurement with instant alarms on temperature anomalies
- Deep learning algorithm reduces false alarms from forklifts, shadows, etc.
- Various types of measuring rules for detection and recording flexibility
- Continuous and consistent temperature data

Model	DS-2TD2137T-4QY	DS-2TD2167T-7/P	DS-2TD2637T-7QY/10QY/15QY	DS-2TD2667T-15/P	DS-2TD2528T-3Q/5Q/7Q/10Q
Image	NEW Anti-corrosion		NEW Anti-corrosion	HOT	NEW  Explosion-proof
Thermal Camera Sensor	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	≤ 35 mK (@25° C,F# = 1.0)	< 35 mk (@25°C,F#=1.0)	< 35 mK (25°C, F1.0)	< 35 mk (@25°C,F#=1.0)	< 40 mk (@ 25°C), F# = 1.0
Pixel Pitch (Thermal)	17 μm	17 μm	17 μm	17 μm	12 μm
Max. Resolution (Thermal)	384 × 288	640 × 512	384 x 288	640 × 512	256 × 192
Thermal Lens	4.4 mm	6.5 mm	Thermal: 6.5 or 9.7 or 15 mm Optical: 4, 4 or 6 mm	15mm	Thermal: 3.5, 7 or 10 mm Optical: 4, 6 or 8 mm
Optical Camera Sensor	/	/	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution (Optical)	/	/	2688 × 1520	2688 × 1520	2688 × 1520
Min. Illumination	/	/	0.0089Lux @(F1.6,AGC ON) ,0 Lux with IR	Color: 0.0089 Lux @(F1.6, AGC ON), B/W: 0.0018 Lux @(F1.6, AGC ON)	Color: 0.05 Lux @ (F1.6, AGC ON), B/W: 0.01 Lux @ (F1.6, AGC ON)
Field of View (Thermal)	4 mm: 90° x 65.3°	7 mm: 88.5° × 73.2°	7mm:60° × 44.1° 10mm:84° × 44.8° 15mm:24.5° × 18.5°	15 mm: 24.5° x 18.5°	3mm:50.0° × 37.3° 7mm:24.9° × 18.7° 10mm:24.9° × 18.7°
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Frame Rate	25 fps	25 fps	25 fps	25 fps	25 fps
Ingress Protection	IP67	IP67	IP67	IP67	IP68
Pan/Tilt	/	/	/	/	/
Audio Input	1, 3.5 mm Mic in/Line in interface Line input: 2 - 2.4 V (p-p), output impedance: 1 KΩ ± 10%	1-ch 3.5mm Mic in/Line in interface. Line input: 2-2.4 V(p-p), output impedance: 1 KΩ ± 10%	1, 3.5 mm Mic in/Line in interface Line input: 2 - 2.4 V (p-p), output impedance: 1 KΩ ± 10%	1-ch 3.5mm Mic in/Line in interface. Line input: 2-2.4 V(p-p), output impedance: 1 KΩ ± 10%	1 3.5mm Mic in/Line in interface. Line input: 2 to 2.4 V(p-p), output impedance:1 KΩ ± 10%
Audio Output	Linear level, impedance: 600 Ω	Line level, impedance: 600 Ω	Linear level, impedance: 600 Ω	Line level, impedance: 600 Ω	Linear Level; Impedance: 600 Ω
Alarm Input	2, alarm input (0-5 VDC)	2-ch input (0-5 VDC)	2, alarm input (0-5 VDC)	2-ch input (0-5 VDC)	2-ch inputs (0 to 5 VDC)
Alarm Output	2, alarm output (alarm response actions configurable)	2-ch relay output, supports Alarm Linkage	2, alarm output (alarm response actions configurable)	2-ch relay output, supports Alarm Linkage	2-ch relay outputs, alarm response actions configurable
Power	24 VAC ± 25%, 12 VDC ± 25% PoE (802.3af)	12 VDC ± 20% PoE (802.3af) 24 VAC ± 25%	24 VAC ± 25%, 12 VDC ± 25% PoE (802.3af)	12 VDC ± 20% PoE (802.3af) 24 VAC ± 25%	100 to 240 VAC, 36 to 57 VDC, PoE (802.3af)
Environmental Requirement	Temperature: - 40 °C to 65 °C (- 40 °F to 149 °F) Humidity: 95% or less	From -40 ° C to 60 ° C (-40 ° F to 149 ° F); Humidity: 90% or less	Temperature: -40°C to 65°C (-40°F to 149°F) Humidity: 95% or less	From -40 ° C to 65 ° C (-40 ° F to 149 ° F); Humidity: 90% or less	-40°C to 60°C (-40°F to 140°F), 90% or less
VCA	line crossing, intrusion, region entrance, and region exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	line crossing, intrusion, region entrance, and region exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, and Region Exiting
Fire Detection	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.
Temperature Mesuring Range	- 20 °C to 550 °C (- 4 °F to 1022 °F)	-20° C to 550° C (-4 °F to +1022°F)	- 20 °C to 550 °C (- 4 °F to 1022 °F)	-20° C to 550° C (-4 °F to +1022°F)	-20°C to 550°C (-4°F to 1,022°F)
Temperature Accuracy	Max (± 2 °C, ±2 %)	Max (±2°C, ±2%)	Max (± 2 °C, ±2 %)	Max (±2°C, ±2%)	Max. (± 2°C, ± 2%)

Model	DS-2TD2537T-10Q/15Q	DS-2TD4228T-10/W	DS-2TD4237T-10/V2	DS-2TD4137T-9/-25/-50W(B)	DS-2TD4167T-9/-25/-50W(B)
Image	NEW Explosion-proof	NEW		NEW	NEW
Thermal Camera Sensor	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	< 35 mk (@ 25°C), F# = 1.0	≤ 35 mK (@25°C,F# = 1.0)	< 40 mk (@25°C,F#=1.0)	≤ 35 mK (@25°C,F# = 1.0)	≤ 35 mK (@25°C,F# = 1.0)
Pixel Pitch (Thermal)	17 μm	12μm	17 μm	17 μm	17 μm
Max. Resolution (Thermal)	384 × 288	256 × 192	384 × 288	384 × 288 (the resolution of output image is 1920 × 1080)	640 × 512 (the resolution of output image is 1920 × 1080)
Thermal Lens	Thermal: 10 or 15 mm Optical:4mm	Thermal: 10mm Optical: 4.8-153mm, 32x	Thermal: 10 mm Optical: 4.8-153 mm	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Optical Camera Sensor	1/2.7" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	2688 × 1520, 4 MP	2688 × 1520, 4 MP
Max. Resolution (Optical)	2688 × 1520	2688 × 1520, 4 MP	1920 × 1080	Color: 0.005 Lux @ (F1.3, AGC ON), B/W: 0.001 Lux @ (F1.3, AGC ON)	Color: 0.005 Lux @ (F1.3, AGC ON), B/W: 0.001 Lux @ (F1.3, AGC ON)
Min. Illumination	Color: 0.05 Lux @ (F1.6, AGC ON), B/W: 0.01 Lux @ (F1.6, AGC ON)	Color: 0.05 lux @ (F1.2, AGC On) B/W: 0.01 lux @ (F1.2, AGC On)	Color: 0.05 lux @ (F1.2, AGC On) B/W: 0.01 lux @ (F1.2, AGC On)	Thermal: 9, 25, 50mm Opical: 6-240 mm, 40x	Thermal: 9, 25, 50mm Opical: 6-240 mm, 40x
Field of View (Thermal)	10mm:37.9° × 28.7° 15mm:24.2° × 18.4°	10mm: 18° × 13.5°	10 mm: 37.7° × 28.7°	9mm: 37.9 ° x28.7 ° (H × V) 25mm: 14.9° × 11.2° (H × V) 50mm: 7.5° × 5.6° (H × V)	9mm: 37.9 ° x28.7 ° (H × V) 25mm: 14.9° × 11.2° (H × V) 50mm: 7.5° × 5.6° (H × V)
Video Compression	H.265/H.264/MJPEG	H.265+/H.265/H.264+/ H.264/MJPEG	H.265/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Frame Rate	25 fps	50fps	25 fps	50fps	50fps
Ingress Protection	IP68	IP66	IP66	IP66	IP66
Pan/Tilt	/	Pan: 360° Continuous Rotate; Tilt: From -5° to + 90° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -5° to + 90° (auto flip)	Pan: 360 ° Continuous Rotate; Tilt: From - 20 ° to + 90 ° (auto flip)	Pan: 360 ° Continuous Rotate; Tilt: From - 20 ° to + 90 ° (auto flip)
Audio Input	1 3.5mm Mic in/Line in interface. Line input: 2 to 2.4 V(p-p), output impedance:1 KΩ ± 10%	1-ch 3.5mm Mic in/Line in interface. Line input: 2-2.4V(p-p), output impedance: 1 KΩ ± 10%	1-ch 3.5mm Mic in/Line in interface. Line input: 2-2.4V(p-p), output impedance: 1 KΩ ± 10%	1, 3.5 mm Mic in/Line in interface. Line input: 2 - 2.4 V (p-p), output impedance: 1 KΩ ± 10%	1, 3.5 mm Mic in/Line in interface. Line input: 2 - 2.4 V (p-p), output impedance: 1 KΩ ± 10%
Audio Output	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω
Alarm Input	2-ch inputs (0 to 5 VDC)	Up to 7-ch input (0-5 VDC)	Up to 7-ch input (0-5 VDC)	7-ch inputs (0-5 VDC)	7-ch inputs (0-5 VDC)
Alarm Output	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable
Power	100 to 240 VAC, 36 to 57 VDC, PoE (802.3af)	24 VAC ± 20%: 0.88 A, max. 30 W 48 VDC ± 20%: 0.625 A, max. 30 W	24 VAC	24 VAC ± 25%, 24VDC, 48VDC, 24VAC ± 25%: 5 A, max. 65 W 24VDC: 2.5A, max. 65 W 48VDC: 1.25V, max. 65 W Hi-PoE (Max. 65 W)	24 VAC ± 25%, 24VDC, 48VDC, 24VAC ± 25%: 5 A, max. 65 W 24VDC: 2.5A, max. 65 W 48VDC: 1.25V, max. 65 W Hi-PoE (Max. 65 W)
Environmental Requirement	-40°C to 60°C (-40°F to 140°F), 90% or less	From -40°C to 65°C (-40°F to 149°F); Humidity: 95% or Less	From -40 ° C to 65 ° C (-40 ° F to 149 ° F); Humidity: 90% or less	From - 40° C to 65° C (- 40° F to 149° F); 95% or less	From - 40° C to 65° C (- 40° F to 149° F); 95% or less
VCA	Line Crossing, Intrusion, Region Entrance, and Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Support 4 VCA rule types (Line Crossing, Intrusion, Region Entrance, and Region Exiting), up to 10 scenes and 8 VCA rules for each scene	Support 4 VCA rule types (Line Crossing, Intrusion, Region Entrance, and Region Exiting), up to 10 scenes and 8 VCA rules for each scene
Fire Detection	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.
Temperature Mesuring Range	-20°C to 550°C (-4°F to 1,022°F)	-20° C to 550° C (-4 °F to 1022°F)	-20° C to 550° C (-4 °F to +1022°F)	- 20° C to 550° C (- 4° F to 1022° F)	- 20° C to 550° C (- 4° F to 1022° F)
Temperature Accuracy	Max. (± 2°C, ± 2%)	Max (±2°C, ±2%)	Max (±2°C, ±2%)	Max (± 2° C, ± 2%)	Max (± 2° C, ± 2%)

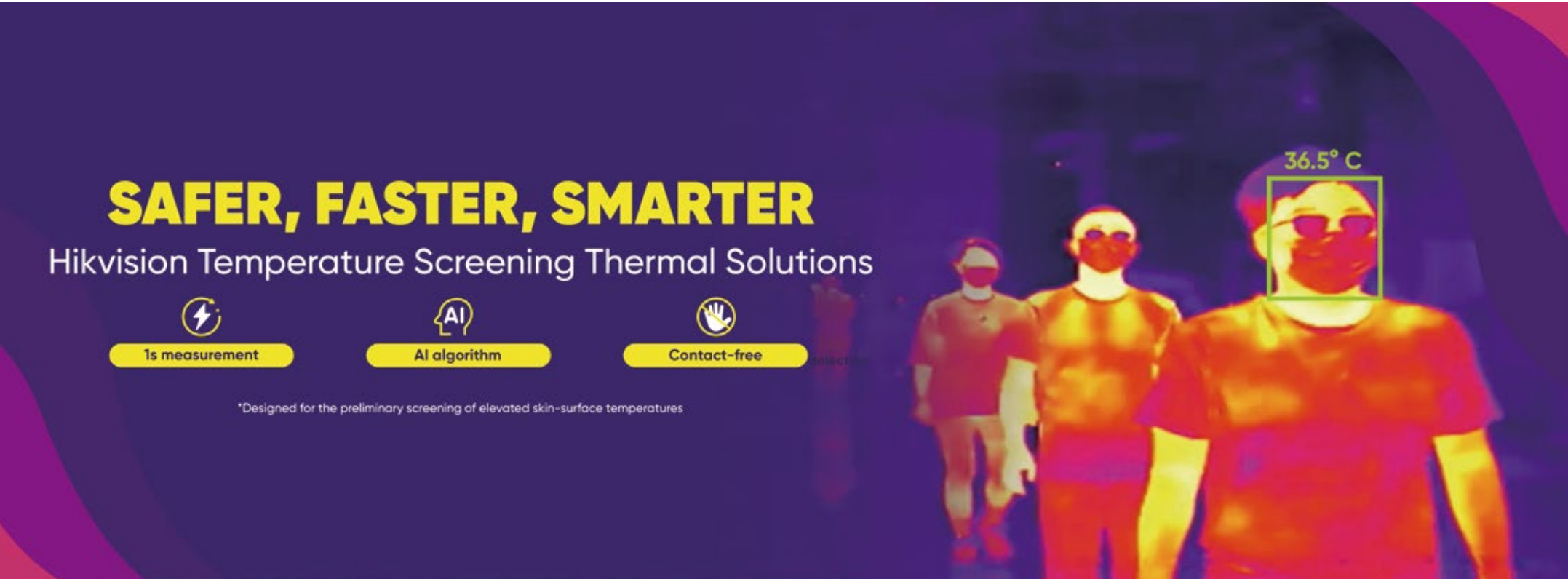
Model	DS-2TD5537T-W	DS-2TD6237T-W	DS-2TD6267T-25H4LW/50H4LW	DS-2TD3017T-2V/3V
Image	NEW	HOT		HOT
Thermal Camera Sensor	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	< 50mk(@25°C,F#=1.0)	NETD ≤ 35 mK (25 °C, F# = 1.0)	< 35 mK (@25°C,F# = 1.1)	< 40 mk(@25 °C,F# = 1.1)
Pixel Pitch (Thermal)	17 μm	17 μm	17 μm	17 μm
Max. Resolution (Thermal)	384 × 288	384 × 288	17 μm	160 × 120
Thermal Lens	Thermal: 7or 15 or 25mm Opticao:5~160 mm	Thermal: 25 or 50mm Opticao:6 to 240 mm	Thermal: 9 or 25 mm Optical: 6-240 mm	2 or 3 mm
Optical Camera Sensor	1/2.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1600 x 1200
Max. Resolution (Optical)	2560 × 1440	2688 × 1520	2688 × 1520	Color: 0.04 Lux @ (2.4 AGC ON)
Min. Illumination	Color: 0.05 Lux @ (F1.6, AGC ON), B/W: 0.01 Lux @ (F1.6, AGC ON)	Color: 0.0005 Lux @ (F1.5, AGC ON), B/W: 0.0001 Lux @ (F1.5, AGC ON)	Color: 0.005 Lux @ (F1.3, AGC ON) B/W: 0.001 Lux @ (F1.3, AGC ON)	Thermal: 1.8 or 3.1 mm Optical: 1.29 mm
Field of View (Thermal)	7mm: 54.8°(H) × 42.5°(V) 15mm: 24.55°(H) × 18.54°(V) 25mm: 24.9°(H) × 20°(V)	25mm:14.88° × 11.19° 50mm: 7.47° × 5.61°	25 mm: 24.55° × 19.75° 50 mm: 12.42° × 9.95°	2mm: 90° x 66.4° 3mm: 50° x 37.2°
Video Compression	H.265/H.264/MJPEG	H.265+/H.265/H.264+/ H.264	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Frame Rate	50 fps	50 fps	25 fps	25 fps
Ingress Protection	IP67	IP66	IP66	IP67
Pan/Tilt	Pan: 360° Continuous Rotate; Tilt: From -90° to + 90° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -90° to + 40° (auto flip)	Pan: 360° Continuous Rotate; Tilt: From -15° to + 90° (auto flip)	/
Audio Input	1, 3.5 mm Mic in/Line in interface. Line input: 2 to 2.4 V (p-p), output impedance: 1 KΩ ± 10%	1, 3.5 mm Mic in/Line in interface. Line input: 2 to 2.4 V (p-p), output impedance: 1 KΩ ± 10%	1-ch 3.5mm Mic in/Line in interface. Line input: 2-2.4V(p-p), output impedance: 1 KΩ ± 10%	/
Audio Output	Linear level, impedance: 600 Ω	Linear level, impedance: 600 Ω	Linear Level; Impedance: 600 Ω	/
Alarm Input	2-ch inputs (0 to5 VDC)	7-ch inputs (0 to5 VDC)	Up to 7-ch input (0-5 VDC)	1-ch inputs (0-5 VDC)
Alarm Output	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	1-ch relay outputs, alarm response actions configurable
Power	DC24 V±25%	24 VAC ± 20%, 36 VDC ± 20%, 48 VDC ± 15%, 5 A, max. 120 W	24 VAC	10-30 VDC, Max. 5W PoE (802.3af)
Environmental Requirement	From -40 ° C to 70 ° C; Humidity: 90% or less	From -40 ° C to 65 ° C (-40 ° F to 149 ° F); Humidity: 95% or less	From -40 ° C to 65 ° C (-40 ° F to 149 ° F); Humidity: 95% or less	From -20 ° C to 50 ° C (-40 ° F to 149 ° F); Humidity: 90% or less
VCA	Support	Line Crossing, Intrusion, Region Entrance, and Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	/
Fire Detection	Support	Dynamic fire detection, up to 10 fire points detectable.	Dynamic fire detection, up to 10 fire points detectable.	/
Temperature Mesuring Range	-20° C to 550° C (-4 °F to 1022°F)	-20° C to 550° C (-4 °F to +1022°F)	-20° C to 550° C (-4 °F to +1022°F)	-20° C to 550° C (-4 °F to +1022°F)
Temperature Accuracy	Max. (± 2°C, ± 2%)	Max. (± 2°C, ± 2%)	Max (±2°C, ±2%)	Max (± 2 °C, ± 2%)

Temperature Screening Products

Safer & Smarter, Towards the New Normal

Hikvision's Temperature Screening Thermographic Cameras, with advanced algorithm and thermal detectors, are designed to detect elevated skin-surface temperatures. With accuracy up to ±0.3 °C, (± 0.5 °F), they can be used for rapid and preliminary temperature screening in office buildings, factories, stations, airports, and other public places.

- Safe - Noncontact measurement prevents physical contact
- Fast - One second per capita for skin-surface temperature detection
- Smart – Deep-learning detection reduces false alarms
- Flexible - Multiple product choices for fixed or portable deployment
- Accurate - Up to ± 0.5 °C (± 0.9 °F) w/o Blackbody Calibrator and ± 0.3 °C (± 0.5 °F) w/ Blackbody Calibrator



Model	DS-2TB1217-3QA/6QA	DS-2TB2617-3QA/6QA	DS-2TD2636B-10P/13P/15P	DS-2TB3217-3W/6W
Image	Audio Waring and Strobe Light	Audio Waring and Strobe Light		NEW
Thermal Camera Sensor	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	< 40 mK (25°C), F# = 1.1	< 40 mK (25°C), F# = 1.1	< 40 mK (25°C), F# = 1.1	< 40 mk (@ 25 °C,F#=1.0)
Pixel Pitch (Thermal)	17 μm	17 μm	17 μm	17 μm
Max. Resolution (Thermal)	160 × 120 (the resolution of output image is 320 × 240)	160 × 120 (the resolution of output image is 320 × 240)	384 × 288	160 × 120
Thermal Lens	3.1 or 6.2 mm	3.1 or 6.2 mm	10, 13 or 15 mm	3.1 or 6.2 mm
Optical Camera Sensor	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution (Optical)	2688 × 1520	2688 × 1520	2688 × 1520	2688 × 1520
Min. Illumination	Color: 0.0089 Lux @ (F1.6, AGC ON), B/W: 0.0018 Lux @ (F1.6, AGC ON)	Color: 0.0089 Lux @ (F1.6, AGC ON), B/W: 0.0018 Lux @ (F1.6, AGC ON)	Color: 0.0089 Lux @ (F1.6, AGC ON), B/W: 0.0018 Lux @ (F1.6, AGC ON)	Color: 0.0089 Lux @ (F1.6, AGC ON), B/W: 0.0018 Lux @ (F1.6, AGC ON)
Field of View (Thermal)	3mm: 84° × 44.8° 6 mm: 39.42° × 22.14°	3mm: 84° × 44.8° 6 mm: 39.42° × 22.14°	10mm: 37.5° × 28.5° 13mm: 28.8° × 21.6° 15mm: 24.5° × 18.5°	3mm: 50° × 37.2° 6mm: 25° × 18.7°
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Frame Rate	25fps	25fps	25fps	25fps
Battery Operating Time	/	/	/	/
Ingress Protection	IP66	IP66	IP66	IP67
Audio Input	1, 3.5 mm Mic in/Line in interface. Line input: 2 - 2.4 V (p-p), output impedance: 1 KΩ ±10%	1, 3.5 mm Mic in/Line in interface. Line input: 2 - 2.4 V (p-p), output impedance: 1 KΩ ±10%	1, 3.5 mm Mic in/Line in interface. Line input: 2 - 2.4 V (p-p), output impedance: 1 KΩ ±10%	1, 3.5 mm Mic in/Line in interface. Line input: 2 - 2.4 V (p-p), output impedance: 1 KΩ ±10%
Audio Output	Linear level; impedance: 600 Ω	Linear level; impedance: 600 Ω	Linear level; impedance: 600 Ω	Linear level; impedance: 600 Ω
Alarm Input	1-ch inputs (0-5 VDC)	2-ch inputs (0-5 VDC)	2-ch inputs (0-5 VDC)	2-ch inputs (0-5 VDC)
Alarm Output	1-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable
Power	12 VDC ± 20% PoE (802.3af, class 3)	12 VDC ± 20% PoE (802.3af, class 3)	12 VDC ± 20% PoE (802.3af, class 3)	12 VDC ± 20%, PoE (802.3af, class 3)
Environmental Requirement	10 °C to 35 °C (Indoor and windless environment use only) 95% or less	Temperature: 10 °C to 35 °C (Indoor and windless environment use only) Humidity: 95% or less	Temperature: 10 °C to 35 °C (Indoor and windless environment use only) Humidity: 95% or less	Temperature: 10 °C to 35 °C (Indoor and windless environment use only) Humidity: 95% or less
Temperature Mesuring Range	30 °C to +45 °C	30 °C to +45 °C	30 °C to +45 °C	28 °C to 45 °C
Temperature Accuracy	± 0.5°C	± 0.5°C	± 0.5°C	± 0.5°C

Model	DS-2TP31B-3AUF	DS-2TP21B-6AVF/W
Image		
Thermal Camera Sensor	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
Pixel Pitch(Thermal)	17 μm	17 μm
Sensitivity	< 40 mk (@ 25 °C,F#=1.0)	< 40 mk (@ 25 °C,F#=1.0)
IFOV	5.48 mrad	2.74 mrad
Max. Resolution	Thermal: 160 x 120	160 × 120
Frame rate	25 fps	25 fps
Thermal Lens	3.1 mm	6.2 mm (Manual focus)
Field of View (Thermal)	37.2° × 50 °	25° × 18.7°
Monitor	320 × 240 resolution 2.4'' LCD display	640 × 480 resolution 3.5'' LCD touch display
Storage	Replaceable memory card (default 8G, support up to 128G storage)	Built-in memory module (16 G)
Wi-Fi	/	support
Battery Operating Time	8 hours continuous running	5 hours in normal temperature, with Wi-Fi, Bluetooth, and supplement light off. 4 hours in normal temperature, with Wi-Fi, Bluetooth, and supplement light on.
Ingress Protection	IP54	IP54
Fall Resistant Level	2 m (6.56 feet)	2 m (6.56 feet)
Operating Temperature	-10 °C to 50 °C (14 °F to 122 °F)	15°C to 35 °C
Temperature Measuring Range	30°C to 45 °C	30°C to 45 °C
Temperature Accuracy	±0.5 °C	±0.5 °C
Dimension	196 mm × 117 mm × 59 mm (7.7 " × 4.6 " × 2.3 ")	244 mm × 100 mm × 104 mm (9.6 " × 3.9 " × 4.1 ")
Weight	Approx. less than 350 g (0.77 lb)	With Battery: 653 g (1.44 lb) Without Battery: 511 g (1.13 lb)
Temperature Accuracy	Max (± 2 °C, ± 2%)	Max (± 2 °C, ± 2%)

Commercial Display

111 LCD Video Wall

114 LED Display

134 Interactive Flat Panel

136 Digital Signage

LCD Video Wall

See It Better

- Ultra-narrow bezel widths: 0.88, 1.8, and 3.5 mm
- Industrial-grade panel and structure design
- Precise in-factory color calibration
- Various modes for multiple scenarios
- Advanced UHD (4K) Splicing
- Anti-static/Radiation protection

Model		DS-D2046LU-Y	DS-D2049LU-Y	DS-D2055LU-Y	DS-D2055HU-Y
Image					
Display	Diagonal Size (inch)	46"	49"	55"	55"
	Backlight	LED Backlight (Direct type)	LED Backlight (Direct type)	LED Backlight (Direct type)	LED Backlight (Direct type)
	Panel	IPS	IPS	IPS	IPS
	Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
	Color	16.7M	16.7M	16.7M	16.7M
	Visual Angle	Horizontal: 178°, Vertical: 178°	Horizontal: 178°, Vertical: 178°	Horizontal: 178°, Vertical: 178°	Horizontal: 178°, Vertical: 178°
	Response Time	8 ms (G to G)	8 ms (G to G)	8 ms (G to G)	8 ms (G to G)
	Contrast	1200:1	1200:1	1200:1	1200:1
	Brightness	500 cd/m²	700 cd/m²	500 cd/m²	700 cd/m²
	Dot Pitch (H×V)	0.53 mm × 0.53 mm (0.021" × 0.021")	0.56 mm × 0.56 mm (0.022" × 0.022")	"0.63 mm × 0.63 mm (0.025" × 0.025")	0.63 mm × 0.63 mm (0.025" × 0.025")
	Color Saturation	72%	72%	72%	72%
	Screen Moving Area (H×V)	1018.08 mm × 572.67 mm (40.08" × 22.55")	1074.24 mm × 604.26 mm (42.29" ×23.78")	1209.63 mm × 680.34 mm (47.62" × 26.78")	1209.63 mm × 680.34 mm (47.62" × 26.78")
Side Frame Size	Physical Seam	3.5 mm (0.14")	3.5 mm (0.14")	3.5 mm (0.14")	3.5 mm (0.14")
Interface	Input Interface	VGA × 1, HDMI × 1, DVI × 1, DP × 1, USB × 1	VGA × 1, HDMI × 1, DVI × 1, DP × 1, USB × 1	VGA × 1, HDMI × 1, DVI × 1, DP × 1, USB × 1	VGA × 1, HDMI × 1, DVI × 1, DP × 1, USB × 1
	Output Interface	HDMI × 1	HDMI × 1	HDMI × 1	HDMI × 1
	Control Interface	RS232 IN × 1, RS232 OUT × 1	RS232 IN × 1, RS232 OUT × 1	RS232 IN × 1, RS232 OUT × 1	RS232 IN × 1, RS232 OUT × 1
Power	Power Consumption	111 W	134 W	187 W	235 W
	Power Requirement	100 to 240 VAC, 50 or 60 Hz	100 to 240 VAC, 50 or 60 Hz	100 to 240 VAC, 50 or 60 Hz	100 to 240 VAC, 50 or 60 Hz
Working Environment	Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)	0 °C to 40 °C (32 °F to 104 °F)	0 °C to 40 °C (32 °F to 104 °F)	0 °C to 40 °C (32 °F to 104 °F)
	Operating Humidity	10% to 80% (No Condensation)	10% to 80% (No Condensation)	10% to 80% (No Condensation)	10% to 80% (No Condensation)
	Working Life	≥ 60,000 Hours	≥ 60,000 Hours	≥ 60,000 Hours	≥ 60,000 Hours
Physical Features	Dimension (W×H×D)	1021.98 mm × 576.57 mm × 72.25 mm (40.24" × 22.7" × 2.84")	1078.34 mm × 608.36 mm× 72.8 mm (42.45"× 23.95"× 2.87")	1213.5 mm × 684.3 mm × 71.74 mm (47.78" × 26.94" × 2.82")	1213.5 mm × 684.3 mm × 71.74 mm (47.78" × 26.94" × 2.82")
	Frame Width	2.3 mm (top/left) 1.2 mm (bottom/right)	2.3 mm (top/left) 1.2 mm (bottom/right)	2.3 mm (top/left) 1.2 mm (bottom/right)	2.3 mm (top/left) 1.2 mm (bottom/right)
	Bracket	-	-	-	-

Model		DS-D2055LE-G	DS-D2055HE-G	DS-D2055LR-G	DS-D2055HR-G
Image					
Display	Diagonal Size (inch)	55"	55"	55"	55"
	Backlight	LED Backlight (Direct type)	LED Backlight (Direct type)	LED Backlight (Direct type)	LED Backlight (Direct type)
	Panel	IPS	IPS	IPS	IPS
	Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
	Color	1.07 Billion	1.07 Billion	1.07 Billion	1.07 Billion
	Visual Angle	Horizontal: 178°, Vertical: 178°	Horizontal: 178°, Vertical: 178°	Horizontal: 178°, Vertical: 178°	Horizontal: 178°, Vertical: 178°
	Response Time	8 ms (G to G)	8 ms (G to G)	8 ms (G to G)	8 ms (G to G)
	Contrast	1400:1	1400:1	1200:1	1100:1
	Brightness	500 cd/m²	700 cd/m²	500 cd/m²	700 cd/m²
	Dot Pitch (H×V)	0.63 mm × 0.63 mm (0.025" × 0.025")	0.63 mm × 0.63 mm (0.025" × 0.025")	0.63 mm × 0.63 mm (0.025" × 0.025")	0.63 mm × 0.63 mm (0.025" × 0.025")
	Color Saturation	72%	72%	72%	72%
	Screen Moving Area (H×V)	1209.6 mm × 680.3 mm (47.62" × 26.78")	1209.6 mm × 680.3 mm (47.62" × 26.78")	1209.63 mm × 680.34 mm (47.62" × 26.78")	1209.63 mm × 680.34 mm (47.62" × 26.78")
Side Frame Size	Physical Seam	1.8 mm (0.07")	1.8 mm (0.07")	0.88 mm (0.034")	0.88 mm (0.034")
Interface	Input Interface	VGA × 1, HDMI × 1, DVI × 1, DP × 1, USB × 1	VGA × 1, HDMI × 1, DVI × 1, DP × 1, USB × 1	VGA × 1, HDMI × 1, DVI × 1, DP × 1, USB × 1	VGA × 1, HDMI × 1, DVI × 1, DP × 1, USB × 1
	Output Interface	HDMI × 1	HDMI × 1	HDMI × 1	HDMI × 1
	Control Interface	RS232 IN × 1, RS232 OUT × 1	RS232 IN × 1, RS232 OUT × 1	RS232 IN × 1, RS232 OUT × 1	RS232 IN × 1, RS232 OUT × 1
Power	Power Consumption	192 W	230 W	192 W	230 W
	Power Requirement	100 to 240 VAC, 50 or 60 Hz	100 to 240 VAC, 50 or 60 Hz	100 to 240 VAC, 50 or 60 Hz	100 to 240 VAC, 50 or 60 Hz
Working Environment	Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)	0 °C to 40 °C (32 °F to 104 °F)	0 °C to 40 °C (32 °F to 104 °F)	0 °C to 40 °C (32 °F to 104 °F)
	Operating Humidity	10% to 90% (No Condensation)	10% to 90% (No Condensation)	10% to 90% (No Condensation)	10% to 90% (No Condensation)
	Working Life	≥ 60,000 Hours	≥ 60,000 Hours	≥ 60,000 Hours	≥ 60,000 Hours
Physical Features	Dimension (W×H×D)	1211.54 mm × 682.34 mm × 68.9 mm (47.7" × 26.86" × 2.71")	1211.54 mm × 682.34 mm × 68.9 mm (47.7" × 26.86" × 2.71")	1210.81 mm × 681.76 mm × 68.9 mm (47.67" × 26.84" × 2.71")	1210.81 mm × 681.76 mm × 68.9 mm (47.67" × 26.84" × 2.71")
	Frame Width	0.9 mm (top/left) 0.9 mm (bottom/right)	0.9 mm (top/left) 0.9 mm (bottom/right)	0.44 mm (top/left) 0.44 mm (bottom/right)	0.44 mm (top/left) 0.44 mm (bottom/right)
	Bracket	-	-	-	-

LED Display

Brighten Every Moment

- Pix Master Pixel Control – Proprietary image processing technology enhances image clarity without loss of detail.
- Top Grey Level – 22-bit top grey level brings you a wider range of color grades
- Remote Control – Remote controller meets all your needs, including display modes adjustments & signal source switches, brightness level, automatic dehumidification and blue light filtering
- User-friendly Design – Flexible installation with floor-standing, wall-mounting, and hoisting methods to choose from; easier maintenance with front magnetic wireless module design
- Automatic Dehumidification – Automatic dehumidification function lowers light failures by 30% on average, effectively lengthening lifespan
- Energy-saving design and up to 10,000 nits for outdoor LED displays

Model		DS-D4209FI-MWF / III	DS-D4212FI-GWF/III	DS-D4212FI-CWF/III	DS-D4212FI-MWF	DS-D4215FI-GWF/III
Image						
Module Composition	Pixel structure	4 in 1 IMD	SMD Triad LED	SMD Triad LED	SMD Triad LED	SMD Triad LED
	Pixel pitch (mm)	0.9375 mm	1.25 mm	1.25 mm	1.25 mm	1.5625 mm
	Module Resolution (W × H)	320 × 90	240 x 67	240 x 67	240 x 67	192 × 54
	Module Dimension (W × H)	300 mm × 84.375 mm	300 mm x 83.75 mm	300 mm x 83.75 mm	300 mm x 83.75 mm	300 mm × 84.375 mm
	Unit module composition (W × H)	2 × 4	2 × 4	2 × 4	2 × 4	2 × 4
Unit Composition	Unit Resolution (W × H)	640 × 360	480 x 270	480 x 270	480 x 270	384 × 216
	Unit area	0.2025 m²	0.2025 m²	0.2025 m²	0.2 m²	0.2025 m²
	Weight	5.4 Kg (11.9 lb)	5.4 Kg (11.9 lb)	5.4 Kg (11.9 lb)	5.4 Kg (11.9 lb)	5.4 Kg (11.9 lb)
	Pixel density	142222 dots/m²	640000 dots/m2	640000 dots/m2	640000 dots/m2	409600 dots/m²
	Unit Ratio	0.2025 m²	0.2025 m²	0.2025 m²	16:9	16:9
Optical Parameters	Brightness(nits)	800	800	800	800	800
	Color Temperature	3000 to 10000 adjustable	3000 to 10000 adjustable	3000 to 10000 adjustable	3000 to 10000 adjustable	3000 to 10000 adjustable
	Viewing Angle	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°
	Luminous point center distance deviation	< 3%	< 3%	< 3%	< 3%	< 3%
	Brightness uniformity	≥ 97%	≥ 97%	≥ 97%	≥ 97%	≥ 97%
	Color uniformity	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy
	Max. Contrast	≥ 5000:1	≥ 5000:1	≥ 5000:1	≥ 5000:1	≥ 5000:1
Electrical parameters	Peak Consumption	142	600	600	600	450
	Average Consumption	47	200	200	200	150
	Power Supply	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%
Processing Performance	Drive Mode	Constant current driving	Constant current driving	Constant current driving	Constant current driving	Constant current driving
	Frame Rate	Constant current driving	60 Hz	60 Hz	60 Hz	60 Hz
	Refresh Rate	Up to 3840 Hz	Up to 3840 Hz	Up to 3840 Hz	Up to 3840 Hz	Up to 3840 Hz
General	Service life(H)	≥ 100,000 h	≥ 100,000 h	≥ 100,000 h	≥ 100,000 h	≥ 100,000 h
	Temperature(°C)	-10°C to 40°C	-10°C to 40°C	-10°C to 40°C	-10°C to 40°C	-10°C to 40°C
	Humidity(RH)	10% to 80% RH (non-condensing)	10% to 80% RH (non-condensing)	10% to 80% RH (non-condensing)	10% to 60% RH (non-condensing)	10% to 80% RH (non-condensing)

Model		DS-D4215FI-CWF/ III	DS-D4215FI-MWF	DS-D4218FI-CWF/ III	DS-D4225FI-CWF/ III	DS-D4237FI-CWF/ III
Image						
Module Composition	Pixel structure	SMD Triad LED	SMD Quaternity LED	SMD Triad LED	SMD Triad LED	SMD Triad LED
	Pixel pitch (mm)	1.5625 mm	1.56 mm	1.875 mm	2.48 mm	3.75 mm
	Module Resolution (W × H)	192 × 54	192 × 54	160 × 45	120 ×34	80 × 45
	Module Dimension (W × H)	300 mm × 84.375 mm	300 mm × 84.375 mm	300 mm × 84.375 mm	300 mm × 84.32 mm	300 mm × 168.75 mm
	Unit module composition (W × H)	2 × 4	2 × 4	2 × 4	2 × 4	2 × 2
	Unit Resolution (W × H)	384 × 216	384 × 216	320 × 180	240 × 136	160 × 90
	Unit area	0.2025 m²	0.2 m²	0.2025 m²	0.2025 m²	0.2025 m²
Unit Composition	Weight	5.4 Kg (11.9 lb)	5.4 Kg (11.9 lb)	5.4 Kg (11.9 lb)	5.4 Kg (11.9 lb)	5.4 Kg (11.9 lb)
	Pixel density	409600 dots/m²	409600 dots/m²	284444 dots/m²	161185 dots/m²	71111 dots/m²
	Unit Ratio	16:9	16:9	16:9	16:9	16:9
	Brightness(nits)	800	600	800	800	800
	Color Temperature	3000 to 10000 adjustable	3000 to 10000 adjustable	3000 to 10000 adjustable	3000 to 10000 adjustable	3000 to 10000 adjustable
	Viewing Angle	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°
Optical Parameters	Luminous point center distance deviation	< 3%	< 3%	< 3%	< 3%	< 3%
	Brightness uniformity	≥ 97%	≥ 97%	≥ 97%	≥ 97%	≥ 97%
	Color uniformity	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy
	Max. Contrast	≥ 5000:1	≥ 3000:1	≥ 5000:1	≥ 5000:1	≥ 5000:1
Electrical parameters	Peak Consumption	450	550	345	375	270
	Average Consumption	150	183	115	125	90
	Power Supply	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%
Processing Performance	Drive Mode	Constant current driving	Constant current driving	Constant current driving	Constant current driving	Constant current driving
	Frame Rate	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
	Refresh Rate	Up to 3840 Hz	Up to 3840 Hz	Up to 3840 Hz	Up to 3840 Hz	Up to 3840 Hz
General	Service life(H)	≥ 100,000 h	≥ 100,000 h	≥ 100,000 h	≥ 100,000 h	≥ 100,000 h
	Temperature(°C)	-10°C to 40°C	-10°C to 40°C	-10°C to 40°C	-10°C to 40°C	-10°C to 40°C
	Humidity(RH)	10% to 80% RH (non-condensing)	10% to 60% RH (non-condensing)	10% to 80% RH (non-condensing)	10% to 80% RH (non-condensing)	10% to 80% RH (non-condensing)

Model		DS-D4418FI-CAF(B)	DS-D4425FI-CAF(B)	DS-D4437FI-CAF	DS-D4426RI-CAF	DS-D4439RI-CAF
Image						
Module Composition	Pixel structure	SMD Triad LED	SMD Triad LED	1R1G1B	SMD Triad LED	SMD Triad LED
	Pixel pitch (mm)	1.875 mm	2.5 mm	3.75 mm	2.604 mm	3.906 mm
	Module Resolution (W × H)	128 × 144	96 × 108	64 × 72	192 × 192	128 × 128
	Module Dimension (W × H)	240 mm × 270 mm	240 mm × 270 mm	240 mm × 270 mm	250 mm × 250mm	250 mm × 250mm
	Unit module composition (W × H)	2 × 1, 2 x 2 , 1 x 2	2 × 1, 2 x 2, 1 x 2	2 × 2	2 × 2	2 × 2
Unit Composition	Unit Resolution (W × H)	256 × 144, 256 x 288 , 128 x288	192 × 108, 192 x 216 , 96 x 216	128 x 144	192 × 192	128 × 128
	Unit area	0.1296 m², 0.2592 m², 0.1296 m²	0.1296 m², 0.2592 m², 0.1296 m²	0.2592 m²	0.25 m²	0.25 m²
	Weight	3.5 Kg (7.72lb)	3.5 Kg (7.72lb), 6.9kg(15.21lb)	≤7kg (15.4lb)	7.7 Kg (16.97lb)	7.7 Kg (16.97lb)
	Pixel density	284,444 dots/m2	160000 dots/m²	71,111 dots/m2	147456 dots/m²	147456 dots/m²
	Unit Ratio	16:9	16:9	16:9	1:1	1:1
Optical Parameters	Brightness(nits)	800	800	600	800 cd/m²	800 cd/m²
	Color Temperature	3000 to 10000 adjustable	3000 to 10000 adjustable	2000 to 10000 adjustable	3000 K to 10000 K adjustable	3000 K to 10000 K adjustable
	Viewing Angle	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°
	Luminous point center distance deviation	≤ 3%	≤ 3%	≤ 3%	≤ 3%	≤ 3%
	Brightness uniformity	≥ 97%	≥ 97%	≥ 97%	≥ 97%	≥ 97%
	Color uniformity	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy
	Max. Contrast	≥5000 : 1	≥5000 : 1	≥5000 : 1	≥ 6000:1	≥ 6000:1
Electrical parameters	Peak Consumption	600	600	700	≤ 550 W/m²	≤ 550 W/m²
	Average Consumption	200	200	202	≤ 180 W/m²	≤ 180 W/m²
	Power Supply	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	100 to 240 VAC ± 15%	110 to 220 VAC ± 15%	110 to 220 VAC ± 15%
Processing Performance	Drive Mode	Constant current driving	Constant current driving	Constant current driving	Constant current driving	Constant current driving
	Frame Rate	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
	Refresh Rate	Up to 3840 Hz	3,840 Hz	1,920 Hz	3840 Hz	3840 Hz
General	Service life(H)	≥ 100,000 h	≥ 100,000 h	≥ 100,000 h	≥ 100,000 h	≥ 100,000 h
	Temperature(°C)	-10°C to 40°C	-10°C to 40°C	-10°C to 40°C	-15-50 °C	-15-50°C
	Humidity(RH)	10 to 80 % (non-condensing)	10 to 80 % (non-condensing)	10 to 95 % (non-condensing)	10%-80%RH	10%-80%RH

Model		DS-D4425FI-CKF	DS-D4226RI-CAF	DS-D4239RI-CAF	DS-D4218FI-CAF	DS-D4225FI-CKF
Image						
Module Composition	Pixel structure	SMD 3-IN-1 LED	SMD Triad LED	SMD Triad LED	SMD 3-IN-1 LED	SMD 3-IN-1 LED
	Pixel pitch (mm)	2.5 mm	2.604 mm	3.906 mm	1.86 mm	2.5 mm
	Module Resolution (W × H)	128 × 64	192 × 192	128 × 128	128 × 96	128 × 64
	Module Dimension (W × H)	320 mm × 160 mm	250 mm × 250mm	250 mm × 250mm	240 mm × 270mm	320 mm × 160 mm
	Unit module composition (W × H)	3 × 2	2 × 2	2 × 2	3 × 2	3 × 2
Unit Composition	Unit Resolution (W × H)	256 × 192	192 × 192	128 × 128	256 x 288	256 × 192
	Unit area	0.3072 m²	0.25 m²	0.25 m²	0.3072 m²	0.3072 m²
	Weight	8.8 kg (19.4 lb.)	7.7 Kg (16.97lb)	7.7 Kg (16.97lb)	8.8 kg (19.4 lb.)	8.8 kg (19.4 lb.)
	Pixel density	160000 dots/m²	147456 dots/m²	65536 dots/m²	288906 dots/m²	160000 dots/m²
	Unit Ratio	4:3	1:1	1:1	8:9	4:3
Optical Parameters	Brightness(nits)	600 cd/m²	800 cd/m²	800 cd/m²	600 cd/m²	600 cd/m²
	Color Temperature	3000 K to 10000 K adjustable	3000 K to 10000 K adjustable	3000 K to 10000 K adjustable	3000 K to 10000 K adjustable	3000 K to 10000 K adjustable
	Viewing Angle	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°
	Luminous point center distance deviation	≤ 3%	≤ 3%	≤ 3%	≤ 3%	≤ 3%
	Brightness uniformity	≥ 97%	≥ 97%	≥ 97%	≥ 97%	≥ 97%
	Color uniformity	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy
	Max. Contrast	≥ 5000:1	≥ 6000:1	≥ 6000:1	≥ 5000:1	≥ 5000:1
Electrical parameters	Peak Consumption	≤ 600 W/m²	≤ 550 W/m²	≤ 460 W/m²	≤ 600 W/m²	≤ 600 W/m²
	Average Consumption	≤ 200 W/m²	≤ 180 W/m²	≤ 150 W/m²	≤ 200 W/m²	≤ 200 W/m²
	Power Supply	200 to 240 VAC	110 to 220 VAC ± 15%	110 to 220 VAC ± 15%	200 to 240 VAC	200 to 240 VAC
Processing Performance	Drive Mode	Constant current driving	Constant current driving	Constant current driving	Constant current driving	Constant current driving
	Frame Rate	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
	Refresh Rate	3840 Hz	3840 Hz	3840 Hz	3840 Hz	3840 Hz
General	Service life(H)	≥ 100,000 h	≥ 100,000 h	≥ 100,000 h	≥ 100,000 h	≥ 100,000 h
	Temperature(°C)	-10-40 °C	-15-50 °C	-15-50 °C	-10-40 °C	-10-40 °C
	Humidity(RH)	10%-80%RH	10%-80%RH	10%-80%RH	10%-80%RH	10%-80%RH

Model		DS-D4225FI-CAF	DS-D4237FI-CAF	DS-D4209CI-ZWDB	DS-D4212CI-ZWDB	DS-D4212FI-CWFH
Image						
Module Composition	Pixel structure	SMD Triad LED	SMD 3-IN-1 LED	1R1G1B	1R1G1B	HOB: Glue covered SMD Triad LED
	Pixel pitch (mm)	2.5 mm	3.75 mm	0.9375mm	1.25mm	1.25 mm
	Module Resolution (W × H)	96x108	64 × 72	320 × 360	280 × 270	120 x 135
	Module Dimension (W × H)	240 mm x 270mm	240 mm x 270mm	300 mm x 337.5mm	300 mm x 337.5mm	300 mm x 83.75 mm
	Unit module composition (W × H)	2 × 2	2 × 2	1 × 2	1 × 2	2 x 4
Unit Composition	Unit Resolution (W × H)	192 x 216	128 x 144	640×360	480×270	480 x 270
	Unit area	0.2592 m²	0.2592 m²	0.2025 m²	0.2025 m²	0.2025 m²
	Weight	6.9kg (15.21lb)	6.95kg (14.33lb)	<6.8kg	<6.5kg	5.4 Kg (11.9 lb)
	Pixel density	160000 dots/m²	71111 dots/m²	230399 dots/m²	640000 dots/m²	640000 dots/m2
	Unit Ratio	8:9	8:9	16:9	16:9	16:9
Optical Parameters	Brightness(nits)	800 cd/m²	600 cd/m²	600 cd/m²	600 cd/m²	800 cd/m²
	Color Temperature	3000 K to 10000 K adjustable	3000 K to 10000 K adjustable	9000K ±200K adjustable	9000K ±200K adjustable	3,000 K to 10,000 K adjustable
	Viewing Angle	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°
	Luminous point center distance deviation	≤ 3%	≤ 3%	≤ 3%	≤ 3%	≤ 3%
	Brightness uniformity	≥ 97%	≥ 97%	≥ 97%	≥ 97%	≥ 97%
	Color uniformity	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003Cx, Cy
	Max. Contrast	≥ 5000:1	≥ 5000:1	≥ 15000:1	≥ 15000:1	≥ 5,000 : 1
Electrical parameters	Peak Consumption	≤ 600 W/m²	≤ 570 W/m²	≤ 620 W/m²	≤ 560 W/m²	≤600 W/m²
	Average Consumption	≤ 200 W/m²	≤ 170 W/m²	≤ 207 W/m²	≤ 187 W/m²	≤200 W/m²
	Power Supply	110 to 220 VAC ± 15%	110 to 220 VAC ± 15%	100 to 240 VAC	100 to 240 VAC	110 to 240 VAC ± 15%
Processing Performance	Drive Mode	Constant current driving	Constant current driving	Constant current driving	Constant current driving	Constant current driving
	Frame Rate	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
	Refresh Rate	3840 Hz	3840 Hz	1920-3840 Hz	1920-3840 Hz	3840 Hz
General	Service life(H)	≥ 100,000 h	≥ 100,000 h	≥ 100,000 h	≥ 100,000 h	≥ 100,000 h
	Temperature(℃)	-10-40 ℃	-10-40 ℃	-10-40 ℃	-10-40 ℃	-10-40 ℃
	Humidity(RH)	10%-85%RH	10%-90%RH	10%-80%RH	10%-80%RH	10%-80%RH

Model		DS-D4215FI-CWFH	DS-D4218FI-CWFH	DS-D4419FI-CBF	DS-D4426FI-CBF	DS-D4429FI-CBF
Image						
Module Composition	Pixel structure	HOB: Glue covered SMD Triad LED	HOB: Glue covered SMD Triad LED	SMD Triad LED	SMD Triad LED	SMD Triad LED
	Pixel pitch (mm)	1.5625 mm	1.875 mm	1.95 mm	2.6 mm	2.97 mm
	Module Resolution (W × H)	96 x 108	80 x 90	128 x 128	96 x 96	84 x 84
	Module Dimension (W × H)	300 mm x 83.75 mm	300 mm x 83.75 mm	250 mm x 250 mm	250 mm x 250 mm	250 mm x 250 mm
	Unit module composition (W × H)	2 x 4	2 x 4	2 x 2	2 x 2	2 x 2
Unit Composition	Unit Resolution (W × H)	384 x 216	320 x 180	256 x 256	192 x 192	168 x 168
	Unit area	0.2025 m²	0.2025 m²	0.25 m²	0.25 m²	0.25 m²
	Weight	5.4 Kg (11.9 lb)	5.4 Kg (11.9 lb)	6.8 Kg (15 lb)	6.8 Kg (15 lb)	6.8 Kg (15 lb)
	Pixel density	409,600 dots/m²	284,444 dots/m²	262,144 dots/m²	147,456 dots/m²	112,896 dots/m²
	Unit Ratio	16:9	16:9	1:1	1:1	1:1
Optical Parameters	Brightness(nits)	800 cd/m²	800 cd/m²	800 cd/m²	800 cd/m²	800 cd/m²
	Color Temperature	3,000 K to 10,000 K adjustable	3,000 K to 10,000 K adjustable	6,500 K to 10,000 K adjustable	6,500 K to 10,000 K adjustable	6,500 K to 10,000 K adjustable
	Viewing Angle	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 140°	Horizontal 160°, vertical 140°	Horizontal 160°, vertical 140°
	Luminous point center distance deviation	≤ 3%	≤ 3%	≤ 3%	≤ 3%	≤ 3%
	Brightness uniformity	≥ 97%	≥ 97%	≥ 97%	≥ 97%	≥ 97%
	Color uniformity	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy
	Max. Contrast	≥ 5,000 : 1	≥ 5,000 : 1	≥ 3,000 : 1	≥ 3,000 : 1	≥ 3,000 : 1
Electrical parameters	Peak Consumption	≤450 W/m²	≤345 W/m²	≤600 W/m²	≤600 W/m²	≤600 W/m²
	Average Consumption	≤150 W/m²	≤115 W/m²	≤200 W/m²	≤200 W/m²	≤200 W/m²
	Power Supply	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	200 to 240 VAC ± 15%	200 to 240 VAC ± 15%	200 to 240 VAC ± 15%
Processing Performance	Drive Mode	Constant current driving	Constant current driving	Constant current driving	Constant current driving	Constant current driving
	Frame Rate	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
	Refresh Rate	3840 Hz	3840 Hz	3840 Hz	3840 Hz	3840 Hz
General	Service life(H)	≥ 100,000 h	≥ 100,000 h	≥ 100,000 h	≥ 100,000 h	≥ 100,000 h
	Temperature(°C)	-10-40 °C	-10-40 °C	-10-40 °C	-10-40 °C	-10-40 °C
	Humidity(RH)	10%-80%RH	10%-80%RH	10%-80%RH	10%-80%RH	10%-80%RH

Model		DS-D4439FI-CBF	DS-D4419RI-CBF	DS-D4426RI-CBF	DS-D4429RI-CBF	DS-D4439RI-CBF
Image						
Module Composition	Pixel structure	SMD Triad LED	SMD Triad LED	SMD Triad LED	SMD Triad LED	SMD Triad LED
	Pixel pitch (mm)	3.91 mm	1.95 mm	2.6 mm	2.97 mm	3.91 mm
	Module Resolution (W × H)	64 x 64	128 x 128	96 x 96	84 x 84	64 x 64
	Module Dimension (W × H)	250 mm x 250 mm	250 mm x 250 mm	250 mm x 250 mm	250 mm x 250 mm	250 mm x 250 mm
	Unit module composition (W × H)	2 x 2	2 x 2	2 x 2	2 x 2	2 x 2
Unit Composition	Unit Resolution (W × H)	128 x 128	256 x 256	192 x 192	168 x 168	128 x 128
	Unit area	0.25 m²	0.25 m²	0.25 m²	0.25 m²	0.25 m²
	Weight	6.8 Kg (15 lb)	6.8 Kg (15 lb)	6.8 Kg (15 lb)	6.8 Kg (15 lb)	6.8 Kg (15 lb)
	Pixel density	65,536 dots/m²	262,144 dots/m²	147,456 dots/m²	112,896 dots/m²	65,536 dots/m²
	Unit Ratio	1:1	1:1	1:1	1:1	1:1
Optical Parameters	Brightness(nits)	800 cd/m²	800 cd/m²	800 cd/m²	800 cd/m²	800 cd/m²
	Color Temperature	6,500 K to 10,000 K adjustable	6,500 K to 10,000 K adjustable	6,500 K to 10,000 K adjustable	6,500 K to 10,000 K adjustable	6,500 K to 10,000 K adjustable
	Viewing Angle	Horizontal 160°, vertical 140°	Horizontal 160°, vertical 140°	Horizontal 160°, vertical 140°	Horizontal 160°, vertical 140°	Horizontal 160°, vertical 140°
	Luminous point center distance deviation	≤ 3%	≤ 3%	≤ 3%	≤ 3%	≤ 3%
	Brightness uniformity	≥ 97%	≥ 97%	≥ 97%	≥ 97%	≥ 97%
	Color uniformity	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy
	Max. Contrast	≥ 3,000 : 1	≥ 3,000 : 1	≥ 3,000 : 1	≥ 3,000 : 1	≥ 3,000 : 1
Electrical parameters	Peak Consumption	≤600 W/m²	≤600 W/m²	≤600 W/m²	≤600 W/m²	≤600 W/m²
	Average Consumption	≤200 W/m²	≤200 W/m²	≤200 W/m²	≤200 W/m²	≤200 W/m²
	Power Supply	200 to 240 VAC ± 15%	200 to 240 VAC ± 15%	200 to 240 VAC ± 15%	200 to 240 VAC ± 15%	200 to 240 VAC ± 15%
Processing Performance	Drive Mode	Constant current driving	Constant current driving	Constant current driving	Constant current driving	Constant current driving
	Frame Rate	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
	Refresh Rate	3840 Hz	3840 Hz	3840 Hz	3840 Hz	3840 Hz
General	Service life(H)	≥ 100,000 h	≥ 100,000 h	≥ 100,000 h	≥ 100,000 h	≥ 100,000 h
	Temperature(℃)	-10-40 ℃	-10-40 ℃	-10-40 ℃	-10-40 ℃	-10-40 ℃
	Humidity(RH)	10%-80%RH	10%-80%RH	10%-80%RH	10%-80%RH	10%-80%RH

Model		DS-D4440FO	DS-D4450FO	DS-D4460FO	DS-D4480FO	DS-D44A0FO	DS-D44A6FO
Image							
Module Composition	Pixel structure	1R1G1B	1R1G1B	1R1G1B	1R1G1B	SMD3535	DIP346
	Pixel pitch (mm)	4.0 mm	5.0 mm	6.67 mm	8.0 mm	10 mm	16 mm
	Module Resolution (W × H)	80 x 40	64 x32	32 x 32	40 x 20	32 x 16	20 x 20
	Module Dimension (W × H)	320 mm x 160 mm	320 mm x 160 mm	192 mm x 192 mm	320 mm x 160 mm	320 mm x 160 mm	256 mm x 256 mm
Unit Composition	Unit module composition (W × H)	3 x 6	3 x 6	5 x 5	3 x 6	3 x 6	4 x 4
	Unit Resolution (W × H)	240 x 240	192 x 192	144 x 144	120 x 120	96 x 96	60 x 60
	Unit area	0.9216 m²	0.9216 m²	0.9216 m²	0.9216 m²	0.9216 m²	0.9216 m²
	Weight	52kg/m²	52kg/m²	52kg/m²	52kg/m²	52kg/m²	52kg/m²
	Pixel density	62500 dots/m²	40000 dots/m²	27777 dots/m²	15625 dots/m²	10000 dots/m²	3906 dots/m²
	Unit Ratio	1:1	1:1	1:1	1:1	1:1	1:1
Optical Parameters	Brightness(nits)	≥5500(cd/m2)	≥5500(cd/m2)	≥5500(cd/m2)	≥5500(cd/m2)	≥5500(cd/m2)	≥7500(cd/m2)
	Color Temperature	2000-9500K adjustable	2000-9500K adjustable	2000-9500K adjustable	2000-9500K adjustable	2000-9500K adjustable	2000-9500K adjustable
	Viewing Angle	120 (Horizontal), 120 (Vertical)	120 (Horizontal), 120 (Vertical)	120 (Horizontal), 120 (Vertical)	120 (Horizontal), 120 (Vertical)	120°(Horizontal),120°(Vertical)	110°(Horizontal),50°(Vertical)
	Luminous point center distance deviation	< 3%	< 3%	< 3%	< 3%	< 3%	< 3%
	Brightness uniformity	≥95%	≥97%	≥97%	≥97%	≥97%	≥97%
	Color uniformity	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy
Electrical parameters	Peak Consumption	900 W/m²	950 W/m²	900 W/m²	900 W/m²	900 W/m²	900 W/m²
	Average Consumption	300 W/m²	315 W/m²	300 W/m²	300 W/m²	300 W/m²	300 W/m²
	Power Supply	100 to 240 VAC ± 15%	100 to 240 VAC ± 15%	100 to 240 VAC ± 15%	100 to 240 VAC ± 15%	100 to 240 VAC ± 15%	100 to 240 VAC ± 15%
Processing Performance	Drive Mode	Constant Current Driving	Constant Current Driving	Constant Current Driving	Constant Current Driving	Constant Current Driving	Constant Current Driving
	Frame Rate	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
	Refresh Rate	≥1920Hz	≥1920Hz	≥1920Hz	≥1920Hz	1,920 Hz	1920Hz
General	Service life(H)	>100,000 (H)	>100,000 (H)	>100,000 (H)	>100,000 (H)	>100,000 (H)	>100,000 (H)
	Temperature(°C)	-20 to 50 ° C (-4 to 122 ° F)	-20 to 50 ° C (-4 to 122 ° F)	-20 to 50 ° C (-4 to 122 ° F)	-20 to 50 ° C (-4 to 122 ° F)	-20 to 50 ° C (-4 to 122 ° F)	-20 to 50 ° C (-4 to 122 ° F)
	Humidity(RH)	10-90%(Non-condensing)	10-90%(Non-condensing)	10-90%(Non-condensing)	10-90%(Non-condensing)	10-90%(Non-condensing)	10-90%(Non-condensing)

Model		DS-D4240F0	DS-D4250F0	DS-D4260F0	DS-D4280F0	DS-D42A0F0	DS-D42A0F0-D	DS-D42A6F0-D
Image								
Module Composition	Pixel structure	SMD Triad LED	SMD Triad LED	SMD Triad LED	SMD Triad LED	SMD Triad LED	DIP Triad LED	DIP Triad LED
	Pixel pitch (mm)	4.0 mm	5.0 mm	6.67 mm	8.0 mm	10 mm	10 mm	16 mm
	Module Resolution (W × H)	80 x 40	64 x 32	48 x 24	40 x 20	32 x 16	32 x 16	20 x 10
	Module Dimension (W × H)	320 mm x 160 mm	320 mm x 160 mm	320 mm x 160 mm	320 mm x 160 mm	320 mm x 160 mm	320 mm x 160 mm	320 mm x 160 mm
Unit Composition	Unit module composition (W × H)	3 x 6	3 x 6	3 x 6	3 x 6	3 x 6	3 x 6	3 x 6
	Unit Resolution (W × H)	240 x 240	192 x 192	144 x 144	120 x 120	96 x 96	96 x 96	60 x 60
	Unit area	0.9216 m²	0.9216 m²	0.9216 m²	0.9216 m²	0.9216 m²	0.9216 m²	0.9216 m²
	Weight	29 Kg	29Kg	29Kg	29Kg	29Kg	29Kg	29Kg
	Pixel density	62500 dots/m²	40000 dots/m²	22500 dots/m²	15625 dots/m²	10000 dots/m²	10000 dots/ m²	3906 dots/m²
	Unit Ratio	1:1	1:1	1:1	1:1	1:1	1:1	1:1
Optical Parameters	Brightness(nits)	≥5500(cd/m2)	≥5500(cd/m2)	≥6000(cd/m2)	≥6000(cd/m2)	≥6000(cd/m2)	≥7500(cd/m2)	≥7500(cd/m2)
	Color Temperature	2000-9300K adjustable	2000-9300K adjustable	2000-9300K adjustable	2000-9300K adjustable	2000-9300K adjustable	2000-9300K adjustable	2000-9300K adjustable
	Viewing Angle	140 (Horizontal), 140 (Vertical)	140 (Horizontal), 140 (Vertical)	140 (Horizontal), 140 (Vertical)	140 (Horizontal), 140 (Vertical)	140°(Horizontal),140°(Vertical)	110°(Horizontal),50°(Vertical)	110°(Horizontal),50°(Vertical)
	Luminous point center distance deviation	< 3%	< 3%	< 3%	< 3%	< 3%	< 3%	< 3%
	Brightness uniformity	≥95%	≥97%	≥97%	≥97%	≥97%	≥97%	≥97%
	Color uniformity	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy
Electrical parameters	Peak Consumption	850 W/m²	850 W/m²	850 W/m²	780 W/m²	780 W/m²	500 W/m²	500 W/m²
	Average Consumption	280 W/m²	280 W/m²	280 W/m²	260 W/m²	260 W/m²	165 W/m²	165 W/m²
	Power Supply	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%
Processing Performance	Drive Mode	Constant Current Driving	Constant Current Driving	Constant Current Driving	Constant Current Driving	Constant Current Driving	Constant Current Driving	Constant Current Driving
	Frame Rate	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
	Refresh Rate	3840Hz	3840Hz	3840Hz	3840Hz	3840Hz	3840Hz	3840Hz
General	Service life(H)	>100,000 (H)	>100,000 (H)	>100,000 (H)	>100,000 (H)	>100,000 (H)	>100,000 (H)	>100,000 (H)
	Temperature(°C)	-10 to 55 ° C (14 to 131° F)	-10 to 55 ° C (14 to 131° F)	-10 to 55 ° C (14 to 131° F)	-10 to 55 ° C (14 to 131° F)	-10 to 55 ° C (14 to 131° F)	-10 to 55 ° C (14 to 131° F)	-10 to 55 ° C (14 to 131° F)
	Humidity(RH)	10-80%(Non-condensing)	10-90%(Non-condensing)	10-80%(Non-condensing)	10-80%(Non-condensing)	10-80%(Non-condensing)	10-80%(Non-condensing)	10-80%(Non-condensing)

Model		DS-D4439RO-CA	DS-D4448RO-CA	DS-D4239RO-CA	DS-D4248RO-CA	DS-D4239FO-BGF	DS-D4248FO-BGF	DS-D4225FO-BGF
Image								
Module Composition	Pixel structure	SMD Triad LED	SMD Triad LED	SMD Triad LED	SMD Triad LED	SMD 3-IN-1 LED	SMD 3-IN-1 LED	SMD 3-IN-1 LED
	Pixel pitch (mm)	3.906 mm	4.8 mm	3.906 mm	4.8 mm	3.9 mm	4.8 mm	2.5 mm
	Module Resolution (W × H)	64 × 64	52 × 52	64 × 64	52 × 52	64 × 64	104 × 104	100 x 100
	Module Dimension (W × H)	250 mm × 250mm	250 mm × 250mm	250 mm × 250mm	250 mm × 250mm	250 mm × 250mm	250 mm × 250mm	250 mm × 250mm
Unit Composition	Unit module composition (W × H)	2 × 2	2 × 2	2 × 2	2 × 2	2 × 2	2 × 2	2 × 2
	Unit Resolution (W × H)	128 × 128	104 × 104	128 × 128	104 × 104	128 × 128	104 × 104	200 × 200
	Unit area	0.25 m²	0.25 m²	0.25 m²	0.25 m²	0.25 m²	0.25 m²	0.25 m²
	Weight	8.5 Kg (18.74lb)	8.5 Kg (18.74lb)	8.5 Kg (18.74lb)	8.5 Kg (18.74lb)	8.25 Kg (18.2 lb)	8.25 Kg (18.2 lb)	8.25 Kg (18.2 lb)
	Pixel density	65536 dots/m²	42364 dots/m²	65536 dots/m²	42364 dots/m²	65536 dots/m²	42364 dots/m²	160000 dots/m²
	Unit Ratio	1:1	1:1	1:1	1:1	1:1	1:1	1:1
Optical Parameters	Brightness(nits)	5000 cd/m²	4500 cd/m²	5000 cd/m²	4500 cd/m²	5500 cd/m²	5500 cd/m²	5000 cd/m²
	Color Temperature	3000 K to 10000 K adjustable	3000 K to 10000 K adjustable	3000 K to 10000 K adjustable	3000 K to 10000 K adjustable	2000 K to 9300 K adjustable	2000 K to 9300 K adjustable	2000 K to 9300 K adjustable
	Viewing Angle	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°	Horizontal 140°, vertical 140°	Horizontal 140°, vertical 140°	Horizontal 140°, vertical 140°
	Luminous point center distance deviation	< 3%	< 3%	< 3%	< 3%	< 3%	< 3%	< 3%
	Brightness uniformity	≥97%	≥97%	≥97%	≥97%	≥97%	≥97%	≥97%
	Color uniformity	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy
Electrical parameters	Peak Consumption	≤ 680 W/m²	≤ 680 W/m²	≤ 680 W/m²	≤ 680 W/m²	≤ 750 W/m²	≤ 750 W/m²	≤ 750 W/m²
	Average Consumption	≤ 230 W/m²	≤ 230 W/m²	≤ 230 W/m²	≤ 230 W/m²	≤250 W/m²	≤250 W/m²	≤250 W/m²
	Power Supply	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%
Processing Performance	Drive Mode	Constant Current Driving	Constant Current Driving	Constant Current Driving	Constant Current Driving	Constant Current Driving	Constant Current Driving	Constant Current Driving
	Frame Rate	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
	Refresh Rate	3840Hz	3840Hz	3840Hz	3840Hz	3840Hz	3840Hz	3840Hz
General	Service life(H)	>100,000 (H)	>100,000 (H)	>100,000 (H)	>100,000 (H)	>100,000 (H)	>100,000 (H)	>100,000 (H)
	Temperature(°C)	-15-50 °C	-15-50 °C	-15-50 °C	-15-50 °C	-10 to 55 ° C (14 to 131° F)	-10 to 55 ° C (14 to 131° F)	-10 to 55 ° C (14 to 131° F)
	Humidity(RH)	10%-85%RH	10%-85%RH	10%-85%RH	10%-85%RH	10%-85%RH	10%-85%RH	10%-85%RH

Model		DS-D4430FO-CKI	DS-D4440FO-CKI	DS-D4450FO-CKI	DS-D4460FO-CKI	DS-D4480FO-CKI	DS-D44A0FO-CKI
Image							
Module Composition	Pixel structure	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
	Pixel pitch (mm)	3.076 mm	4 mm	5 mm	5.7 mm	8 mm	10 mm
	Module Resolution (W × H)	104×52	80×40	64×32	56×28	40×20	32×16
	Module Dimension (W × H)	320 mm×160 mm	320 mm×160 mm	320 mm×160 mm	320 mm×160 mm	320 mm×160 mm	320 mm×160 mm
Unit Composition	Unit module composition (W × H)	2×6	3×6	3×6	3×6	3×6	3×6
	Unit Resolution (W × H)	208×312	240×240	192×192	168×168	120×120	96×96
	Unit area	0.6144 m²	0.9216 m²	0.9216 m²	0.9216 m²	0.9216 m²	0.9216 m²
	Weight	35 Kg	50 Kg	50 Kg	50 Kg	50 Kg	50 Kg
	Pixel density	105625 dots/m²	62500 dots/m²	40000 dots/m²	30625 dots/m²	15625 dots/m²	10000 dots/m²
	Unit Ratio	2:3	1:1	1:1	1:1	1:1	1:1
Optical Parameters	Brightness(nits)	≥ 4500 cd/m²	≥ 4500 cd/m²	≥ 4500 cd/m²	≥ 4500 cd/m²	≥ 4500 cd/m²	≥ 4500 cd/m²
	Color Temperature	3500 K to 9300 K adjustable	3500 K to 9300 K adjustable	3500 K to 9300 K adjustable	3500 K to 9300 K adjustable	3500 K to 9300 K adjustable	3500 K to 9300 K adjustable
	Viewing Angle	Horizontal 140°, vertical 120°	Horizontal 140°, vertical 120°	Horizontal 140°, vertical 120°	Horizontal 140°, vertical 120°	Horizontal 140°, vertical 120°	Horizontal 140°, vertical 120°
	Luminous point center distance deviation	< 3%	< 3%	< 3%	< 3%	< 3%	< 3%
	Brightness uniformity	≥97%	≥97%	≥97%	≥97%	≥97%	≥97%
	Color uniformity	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy
Electrical parameters	Peak Consumption	≤ 800 W/m²	≤ 1000 W/m²	≤ 1000 W/m²	≤ 1000 W/m²	≤ 1000 W/m²	≤ 1000 W/m²
	Average Consumption	≤300 W/m²	≤ 300 W/m²	≤ 300 W/m²	≤ 300 W/m²	≤ 300 W/m²	≤ 300 W/m²
	Power Supply	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%
Processing Performance	Drive Mode	Constant Current Driving	Constant Current Driving	Constant Current Driving	Constant Current Driving	Constant Current Driving	Constant Current Driving
	Frame Rate	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
	Refresh Rate	≥3840Hz	≥3840Hz	≥3840Hz	≥3840Hz	≥3840Hz	≥3840Hz
General	Service life(H)	>100,000 (H)	>100,000 (H)	>100,000 (H)	>100,000 (H)	>100,000 (H)	>100,000 (H)
	Temperature(°C)	'-20-50 °C	'-20-50 °C	'-20-50 °C	'-20-50 °C	'-20-50 °C	'-20-50 °C
	Humidity(RH)	10%-80%RH	10%-80%RH	10%-80%RH	10%-80%RH	10%-80%RH	10%-80%RH

Model		DS-D4230FO-CKI	DS-D4240FO-CKI	DS-D4250FO-CKI	DS-D4260FO-CKI	DS-D4280FO-CKI	DS-D42A0FO-CKI
Image							
Module Composition	Pixel structure	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
	Pixel pitch (mm)	3.076 mm	4 mm	5 mm	5.7 mm	8 mm	10 mm
	Module Resolution (W × H)	104×52	80×40	64×32	56×28	40×20	32×16
	Module Dimension (W × H)	320 mm×160 mm	320 mm×160 mm	320 mm×160 mm	320 mm×160 mm	320 mm×160 mm	320 mm×160 mm
Unit Composition	Unit module composition (W × H)	2×6	3×6	3×6	3×6	3×6	3×6
	Unit Resolution (W × H)	208×312	240×240	192×192	168×168	120×120	96×96
	Unit area	0.6144 m²	0.9216 m²	0.9216 m²	0.9216 m²	0.9216 m²	0.9216 m²
	Weight	35 Kg	50 Kg	50 Kg	50 Kg	50 Kg	50 Kg
	Pixel density	105625 dots/m²	62500 dots/m²	40000 dots/m²	30625 dots/m²	15625 dots/m²	10000 dots/m²
	Unit Ratio	2:3	1:1	1:1	1:1	1:1	1:1
Optical Parameters	Brightness(nits)	≥ 4500 cd/m²	≥ 4500 cd/m²	≥ 4500 cd/m²	≥ 4500 cd/m²	≥ 4500 cd/m²	≥ 4500 cd/m²
	Color Temperature	3500 K to 9300 K adjustable	3500 K to 9300 K adjustable	3500 K to 9300 K adjustable	3500 K to 9300 K adjustable	3500 K to 9300 K adjustable	3500 K to 9300 K adjustable
	Viewing Angle	Horizontal 140°, vertical 120°	Horizontal 140°, vertical 120°	Horizontal 140°, vertical 120°	Horizontal 140°, vertical 120°	Horizontal 140°, vertical 120°	Horizontal 140°, vertical 120°
	Luminous point center distance deviation	< 3%	< 3%	< 3%	< 3%	< 3%	< 3%
	Brightness uniformity	≥97%	≥97%	≥97%	≥97%	≥97%	≥97%
	Color uniformity	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy
Electrical parameters	Peak Consumption	≤ 800 W/m²	≤ 1000 W/m²	≤ 1000 W/m²	≤ 1000 W/m²	≤ 1000 W/m²	≤ 1000 W/m²
	Average Consumption	≤300 W/m²	≤ 300 W/m²	≤ 300 W/m²	≤ 300 W/m²	≤ 300 W/m²	≤300 W/m²
	Power Supply	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%	110 to 240 VAC ± 15%
Processing Performance	Drive Mode	Constant Current Driving	Constant Current Driving	Constant Current Driving	Constant Current Driving	Constant Current Driving	Constant Current Driving
	Frame Rate	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
	Refresh Rate	≥3840Hz	≥3840Hz	≥3840Hz	≥3840Hz	≥3840Hz	≥3840Hz
General	Service life(H)	>100,000 (H)	>100,000 (H)	>100,000 (H)	>100,000 (H)	>100,000 (H)	>100,000 (H)
	Temperature(°C)	'-20-50 °C	'-20-50 °C	'-20-50 °C	'-20-50 °C	'-20-50 °C	'-20-50 °C
	Humidity(RH)	10%-80%RH	10%-80%RH	10%-80%RH	10%-80%RH	10%-80%RH	10%-80%RH

Model		DS-D4429FO-CB	DS-D4439FO-CB	DS-D4448FO-CB	DS-D4266FO-GLF	DS-D4266FO-CLF	DS-D4280FO-GLF
Image							
Module Composition	Pixel structure	SMD Triad LED	SMD Triad LED	SMD Triad LED	Gold Wire SMD Triad LED	Copper Wire SMD Triad LED	Gold Wire SMD Triad LED
	Pixel pitch (mm)	2.97 mm	3.91 mm	4.81 mm	6.6 mm	6.6 mm	8 mm
	Module Resolution (W × H)	84 x 84	64 x 64	52 x 52	72 x 48	72 x 48	60 x 40
	Module Dimension (W × H)	250 mm x 250 mm	250 mm x 250 mm	250 mm x 250 mm	480 x 320	480 x 320	480 x 320
Unit Composition	Unit module composition (W × H)	2 x 2	2 x 2	2 x 2	2 x 3	2 x 3	2 x 3
	Unit Resolution (W × H)	168 x 168	128 x 128	104 x 104	144 x 144	144 x 144	120 x 120
	Unit area	0.25 m²	0.25 m²	0.25 m²	0.9216 m²	0.9216 m²	0.9216 m²
	Weight	7.1 Kg (15.7 lb)	7.1 Kg (15.7 lb)	7.1 Kg (15.7 lb)	27.6 Kg (60.8 lb)	27.6 Kg (60.8 lb)	27.6 Kg (60.8 lb)
	Pixel density	112,896 dots/m²	65,536 dots/m²	43,264 dots/m²	22,500 dots/m²	22,500 dots/m²	15,625 dots/m²
	Unit Ratio	1:1	1:1	1:1	1:1	1:1	1:1
Optical Parameters	Brightness(nits)	4,500 nits	4,500 nits	4,000 nits	9,000 nits	6,000 nits	10,000 nits
	Color Temperature	6,500 K to 10,000 K adjustable	6,500 K to 10,000 K adjustable	6,500 K to 10,000 K adjustable	3,000 K to 9,500 K adjustable	3,000 K to 9,500 K adjustable	3,000 K to 9,500 K adjustable
	Viewing Angle	Horizontal 160°, vertical 140°	Horizontal 160°, vertical 140°	Horizontal 160°, vertical 140°	Horizontal 160°, vertical 60°	Horizontal 160°, vertical 60°	Horizontal 160°, vertical 60°
	Luminous point center distance deviation	< 3%	< 3%	< 3%	< 3%	< 3%	< 3%
	Brightness uniformity	≥ 97%	≥ 97%	≥ 97%	≥ 97%	≥ 97%	≥ 97%
	Color uniformity	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy
Electrical parameters	Peak Consumption	≤ 700 W/m²	≤ 700 W/m²	≤ 700 W/m²	≤ 580 W/m²	≤ 580 W/m²	≤ 550 W/m²
	Average Consumption	≤ 240 W/m²	≤ 240 W/m²	≤ 240 W/m²	≤ 200 W/m²	≤ 200 W/m²	≤ 190 W/m²
	Power Supply	200 to 240 VAC ± 15%	200 to 240 VAC ± 15%	200 to 240 VAC ± 15%	AC 110 to 240V	AC 110 to 240V	AC 110 to 240V
Processing Performance	Drive Mode	Constant current driving	Constant current driving	Constant current driving	Constant current driving	Constant current driving	Constant current driving
	Frame Rate	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
	Refresh Rate	3840Hz	3840Hz	3840Hz	3840Hz	3840Hz	3840Hz
General	Service life(H)	>100,000 (H)	>100,000 (H)	>100,000 (H)	>100,000 (H)	>100,000 (H)	>100,000 (H)
	Temperature(°C)	-10 to 40 °C	-10 to 40 °C	-10 to 40 °C	-20 to 65 °C	-20 to 65 °C	-20 to 65 °C
	Humidity(RH)	10%-80%RH	10%-80%RH	10%-80%RH	10%-80%RH	10%-80%RH	10%-80%RH

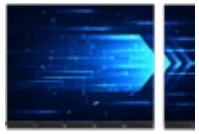
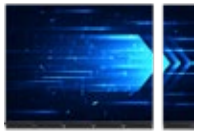
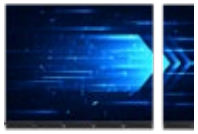
Model		DS-D4280FO-CLF	DS-D42A0FO-GLF	DS-D42A0FO-CLF	DS-D4229FO-CLFS	DS-D4239FO-CLFS	DS-D4248FO-CLFS
Image							
Module Composition	Pixel structure	Copper Wire SMD Triad LED	Gold Wire SMD Triad LED	Copper Wire SMD Triad LED	SMD Triad LED	SMD Triad LED	SMD Triad LED
	Pixel pitch (mm)	8 mm	10 mm	10 mm	2.97 mm	3.91 mm	4.81 mm
	Module Resolution (W × H)	60 x 40	48 x 32	48 x 32	84 x 84	128 x 64	104 x52
	Module Dimension (W × H)	480 x 320	480 x 320	480 x 320	250 x 250	500 x 250	500 x 250
Unit Composition	Unit module composition (W × H)	2 x 3	2 x 3	2 x 3	2 x 2	1 x 2	1 x 2
	Unit Resolution (W × H)	120 x 120	96 x 96	96 x 96	168 x 168	128 x 128	104 x 104
	Unit area	0.9216 m²	0.9216 m²	0.9216 m²	0.25 m²	0.25 m²	0.25 m²
	Weight	27.6 Kg (60.8 lb)	27.6 Kg (60.8 lb)	27.6 Kg (60.8 lb)	7.5 Kg (16.5 lb)	7.5 Kg (16.5 lb)	7.5 Kg (16.5 lb)
	Pixel density	15,625 dots/m²	10,000 dots/m²	10,000 dots/m²	112,896 dots/m²	65,536 dots/m²	43,264 dots/m²
	Unit Ratio	1:1	1:1	1:1	1:1	1:1	1:1
Optical Parameters	Brightness(nits)	6,000 nits	10,000 nits	6,000 nits	4,500 nits	5,000 nits	5,000 nits
	Color Temperature	3,000 K to 9,500 K adjustable	3,000 K to 9,500 K adjustable	3,000 K to 9,500 K adjustable	3,000 K to 9,500 K adjustable	3,000 K to 9,500 K adjustable	3,000 K to 9,500 K adjustable
	Viewing Angle	Horizontal 160°, vertical 60°	Horizontal 160°, vertical 60°	Horizontal 160°, vertical 60°	Horizontal 160°, vertical 90°	Horizontal 160°, vertical 90°	Horizontal 160°, vertical 90°
	Luminous point center distance deviation	< 3%	< 3%	< 3%	< 3%	< 3%	< 3%
	Brightness uniformity	≥ 97%	≥ 97%	≥ 97%	≥ 97%	≥ 97%	≥ 97%
	Color uniformity	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy	≤ ± 0.003Cx, Cy
Electrical parameters	Peak Consumption	≤ 550 W/m²	≤ 550 W/m²	≤ 550 W/m²	≤ 700 W/m²	≤ 760 W/m²	≤ 760 W/m²
	Average Consumption	≤ 190 W/m²	≤ 190 W/m²	≤ 190 W/m²	≤ 280 W/m²	≤ 300 W/m²	≤ 300 W/m²
	Power Supply	AC 110 to 240V	AC 110 to 240V	AC 110 to 240V	AC 110 to 240V	AC 110 to 240V	AC 110 to 240V
Processing Performance	Drive Mode	Constant current driving	Constant current driving	Constant current driving	Constant current driving	Constant current driving	Constant current driving
	Frame Rate	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
	Refresh Rate	3840Hz	3840Hz	3840Hz	3840Hz	3840Hz	3840Hz
General	Service life(H)	>100,000 (H)	>100,000 (H)	>100,000 (H)	>100,000 (H)	>100,000 (H)	>100,000 (H)
	Temperature(°C)	-20 to 65 °C	-20 to 65 °C	-20 to 65 °C	-30 to 65 °C	-30 to 65 °C	-30 to 65 °C
	Humidity(RH)	10%-80%RH	10%-80%RH	10%-80%RH	10%-80%RH	10%-80%RH	10%-80%RH

LED Controller

Model	DS-D42C04-H	DS-D42C08-H	DS-D42C16-H	DS-D42C04-N	DS-D42C06-N
Image		NEW	NEW	NEW	NEW
Video & Audio Input	1-ch DVI, 1-ch HDMI, 1-ch DP	2 × HDMI, 1 × DP, 1 × DVI	2 × HDMI, 1 × DP, 1 × DVI	1 × DVI, 1 x HDMI, 1 x Audio	1 × DVI, 2x HDMI, 2x3G-SDI, 1 x DVI+DVI LOOP, 2 x USB
Video & Audio Output	8ch ports output, 1ch DVI output	1 × HDMI	1 × HDMI	4*RJ45	6 x RJ45, 1 x DVI
Network Interface	4	8	16	4	6
Control Interface	RJ45 × 1	RJ45 × 1	RJ45 × 1	USB × 1	USB × 2, RJ45 x 1
Max. Load Capacity	3840 x 1080@60Hz or 1920 x 2160@60Hz	5 MP	10 MP	2048 x 1152@60Hz or 1920 x 1200@60Hz	2560*1440@60hz
Frame Frequency	60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Refresh Rate	3840 Hz	3840 Hz	3840 HZ	3840 Hz	3840 Hz
Processing Depth	16 bit	8 bit	8 bit	8 bit	8 bit
Grey Level	65535 bits	16 bit	16 bit	16 bit	16 bit
Display Color	281.4 trillion	281 trillion	281 trillion	281 trillion	281 trillion
Brightness Control	Automatic/manual	1 to 10 levels adjustable (gradual white balance)	1 to 10 levels adjustable (gradual white balance)	Automatic/manual	Automatic/manual
Average Consumption	20 W	13.3 W	13.3 W	16 W	65 W
Input Voltage	100-240 VAC	100-240 VAC	100-240 VAC	AC100-240V@50/60HZ	AC100-240V@50/60HZ
Working Temperature	-10 to 45 ° C (14 to 113 ° F)	0 ° C to 40 °C (32 °F to 104 °F)	0 °C to 40 °C (32 °F to 104 °F)	-10 ° C to 45 °C (14 °F to 113 °F)	-10 ° C to 45 ° C (14 °F to 113 °F)
Working Humidity	10 to 90%	10% to 80%	10% to 80%	10% to 90%	10% to 90%
Storage Temperature	-20 to 60 ° C (-4 to 140 ° F)	-10 °C to 60 °C (14 °F to 140 °F)	-10 °C to 60 °C (14 °F to 140 °F)	-20 ° C to 60 °C (-4 °F to 140 °F)	-20 ° C to 60 ° C (-4 °F to 140 °F)
Storage Humidity	10 to 90%	10% to 80%	10% to 80%	10% to 90%	10% to 90%
Product Dimensions (W × H ×D)	482.6 x 250 x 44.5 mm (19 x 9.8 x 1.8 inch)	442 mm × 249.5 mm × 57 mm (17.40'' × 9.82'' × 2.24'')	442 mm × 249.5 mm × 57 mm (17.40'' × 9.82'' × 2.24'')	428 mm × 250 mm × 44.4 mm (16.85'' × 9.84'' × 1.75'')	483.6 mm × 250.1 mm × 45 mm (19.04'' × 9.85'' × 1.77'')

Model	DS-D42V24-H	DS-D42B01-N	DS-D42B02-N	DS-D42B04-N
Image	NEW	NEW	NEW	NEW
Video & Audio Input	HDMI x 2, DVI x 4	Internal video source	Internal video source, HDMI x 1	Internal video source, HDMI x 1
Video & Audio Output	HDMI x 3, DVI x 4	1 × Audio Out	1 × Audio Out, 1 x HDMI Out	1 × Audio Out, 1 x HDMI Out
Network Interface	24	1	2	4
Control Interface	RJ45 x 1	RJ45 × 1, WiFi AP	RJ45 × 1, WiFi AP	RJ45 × 1, WiFi AP
Max. Load Capacity	13.27 MP	0.65 MP	1.3 MP	2.3 MP
Frame Frequency	50/60 Hz	60 Hz	60 Hz	60 Hz
Refresh Rate	3840 Hz	3840 Hz	3840 Hz	3840 Hz
Processing Depth	10 bit	8 bit	8 bit	8 bit
Grey Level	16 bit	16 bit	16 bit	16 bit
Display Color	281 trillion	281 trillion	281 trillion	281 trillion
Brightness Control	1 to 100 levels adjustable (gradual white balance)	1 to 255 adjustable	1 to 255 adjustable	1 to 255 adjustable
Average Consumption	24 W	6 W	6 W	6 W
Input Voltage	100 to 240 VAC @50/60 Hz	100 to 240 VAC @50/60 Hz	100 to 240 VAC @50/60 Hz	100 to 240 VAC @50/60 Hz
Working Temperature	0 to 40 °C	-20 to 60 °C	-20 to 60 °C	-20 to 60 °C
Working Humidity	10% to 80%	0% to 80%	0% to 80%	0% to 80%
Storage Temperature	-10 to 60 °C	-40 to 80 °C	-40 to 80 °C	-40 to 80 °C
Storage Humidity	10% to 80%	0% to 80%	0% to 80%	0% to 80%
Product Dimensions (W × H ×D)	442 × 338.5 × 92 mm	274.3 x 139 x 40 mm	274.3 x 139 x 40 mm	274.3 x 139 x 40 mm

Model	DS-D42V04-N	DS-D42V06-N	DS-D42V10-N	DS-D42V16-N
Image				
Video & Audio Input	3G-SDI x1, Audio x 1, VGA x 1, CVBS x 1, DVI x 1, HDMI1.3 x 1, DP x 1	3G-SDI x 1, HDMI 1.3 x 2, DVI x 1	3G-SDI x1, HDMI1.4 x 2, DVI x 2	3G-SDI x 2, HDMI 2.0 x 1, DVI x 4
Video & Audio Output	DVI x 1	HDMI1.3 x 1	HDMI1.3 x 1	-
Network Interface	4	6	10	16
Control Interface	RJ45 × 1, USB x 1	RJ45 × 1, USB x 2	RJ45 × 1, USB x 2	RJ45 × 1, USB x 2
Max. Load Capacity	2.3 MP	3.9 MP	6.5 MP	10.4 MP
Frame Frequency	60 Hz	60 Hz	60 Hz	60 Hz
Refresh Rate	3840 Hz	3840 Hz	3840 Hz	3840 Hz
Processing Depth	-	-	-	-
Grey Level	-	-	-	-
Display Color	-	-	-	-
Brightness Control	-	-	-	-
Average Consumption	25 W	28 W	28 W	70 W
Input Voltage	100 to 240 VAC @50/60 Hz	100 to 240 VAC @50/60 Hz	100 to 240 VAC @50/60 Hz	100 to 240 VAC @50/60 Hz
Working Temperature	-20 to 60 °C	0 to 45 °C	0 to 45 °C	0 to 50 °C
Working Humidity	20% to 90%	20% to 90%	20% to 90%	20% to 85%
Storage Temperature	-	-20 to 70 °C	-20 to 70 °C	-20 to 60 °C
Storage Humidity	-	10% to 95%	10% to 95%	10% to 85%
Product Dimensions (W × H ×D)	482.6 x 227.6 x 50 mm	483.6 x 351.2 x 50.1 mm	483.6 x 351.2 x 50.1 mm	482.6 x 372.5 x 94.6 mm

Model		DS-D4412MI-056	DS-D4414MI-067	DS-D4418MI-067
Image				
Module Composition	Pixel structure	SMD Triad LED	SMD Triad LED	SMD Triad LED
	Pixel pitch (mm)	1.25mm	1.499mm	1.875mm
	Module Resolution (W × H)	192(W)×216(H)	160(W)×180(H)	128(W)×144(H)
	Module Dimension (W × H)	240 mm×270 mm	240 mm×270 mm	240 mm×270 mm
Unit Composition	Unit module composition (W × H)	5 X 2	6 X 2	6 X 2
	Unit Resolution (W × H)	384(W)×1080(H)	320(W)×1080(H)	256(W)×864(H)
	Unit area	480(W)×1350(H)	480(W)×1620(H)	480(W)×1620(H)
	Weight	30 kg (66.14 lb.)	30 kg (66.14 lb.)	30 kg (66.14 lb.)
	Pixel density	640000 dots/m²	444,444 dots/m²	284,444 dots/m²
	Brightness(nits)	≥ 500 cd/m²	≥ 500 cd/m²	≥ 500 cd/m²
Optical Parameters	Color Temperature	2000-10000 (K) adjustable	2000-10000 (K) adjustable	2000-10000 (K) adjustable
	Viewing Angle	horizontal 160°, vertical 160°	horizontal 160°, vertical 160°	horizontal 160°, vertical 160°
	Luminous point center distance deviation	< 3%	< 3%	< 3%
	Brightness uniformity	≥97%	≥97%	≥97%
	Color uniformity	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy	≤ ± 0.003 Cx, Cy
	Peak Consumption	800 W	800 W	800 W
Electrical parameters	Average Consumption	230 W	230 W	230 W
	Power Supply	200 to 240 VAC, 50/60 Hz	200 to 240 VAC, 50/60 Hz	200 to 240 VAC, 50/60 Hz
	Drive Mode	Constant current driving 54 scan	Constant current driving 54 scan	Constant current driving 54 scan
Processing Performance	Frame Rate	30-60 Hz	30-60 Hz	30-60 Hz
	Refresh Rate	≥ 3840 Hz	≥ 3840 Hz	≥ 3840 Hz
	Service life(H)	>100,000 (H)	>100,000 (H)	>100,000 (H)
General	Temperature(°C)	- 10 °C to + 45 °C (14 °F to 113 °F)	- 10 °C to + 45 °C (14 °F to 113 °F)	- 10 °C to + 45 °C (14 °F to 113 °F)
	Humidity(RH)	10% to 80%RH (Non-condensing)	10% to 80%RH (Non-condensing)	10% to 80%RH (Non-condensing)

Model		DS-D4239TI-SLC	DS-D4239TI-SHC	DS-D4439TI-SHC	DS-D4439TI-SLC
Image					
Module Composition	Pixel structure	1R1G1B	1R1G1B	1R1G1B	1R1G1B
	Pixel pitch (mm)	Horizontal: 3.9 mm, Vertical: 7.8 mm	Horizontal: 3.9 mm, Vertical: 7.8 mm	Horizontal: 3.9 mm, Vertical: 7.8 mm	Horizontal: 3.9 mm, Vertical: 7.8 mm
	Module Dimension (W × H)	Different dimensions for flexible splicing: 1 m × 1 m, 1 m × 0.75 m, 0.75 m × 1 m, 0.75 m × 0.75 m, 1 m × 1.25 m, 1.25 m × 1 m	Different dimensions for flexible splicing: 1 m × 1 m, 1 m × 0.75 m, 0.75 m × 1 m, 0.75 m × 0.75 m, 1 m × 1.25 m, 1.25 m × 1 m	Different dimensions for flexible splicing: 1 m × 1 m, 1 m × 0.75 m, 0.75 m × 1 m, 0.75 m × 0.75 m, 1 m × 1.25 m, 1.25 m × 1 m	Different dimensions for flexible splicing: 1 m × 1 m, 1 m × 0.75 m, 0.75 m × 1 m, 0.75 m × 0.75 m, 1 m × 1.25 m, 1.25 m × 1 m
	Weight	15 kg/m²	15 kg/m²	15 kg/m²	15 kg/m²
	Pixel density	32768 dot/m²	32768 dot/m²	32768 dot/m²	32768 dot/m²
Optical Parameters	Brightness(nits)	2500 nit	5500 nit (highlight)	2500 nit	5500 nit (highlight)
	Color Temperature	2000K to 10000K adjustable	2000K to 10000K adjustable	2000K to 10000K adjustable	2000K to 10000K adjustable
	Viewing Angle	120° (H)/120° (V)	120° (H)/120° (V)	120° (H)/120° (V)	120° (H)/120° (V)
	Luminous point center distance deviation	< 2%	< 2%	< 2%	< 2%
	Brightness uniformity	≥ 98%	≥ 98%	≥ 98%	≥ 98%
	Color uniformity	≤ ± 0.001 Cx, Cy	≤ ± 0.001 Cx, Cy	≤ ± 0.001 Cx, Cy	≤ ± 0.001 Cx, Cy
Electrical parameters	Peak Consumption	800 W/m²	800 W/m²	800 W/m²	800 W/m²
	Average Consumption	300 W/m²	300 W/m²	300 W/m²	300 W/m²
	Power Supply	110 to 220 VAC ± 15%	110 to 220 VAC ± 15%	110 to 220 VAC ± 15%	110 to 220 VAC ± 15%
Processing Performance	Drive Mode	Constant Current Driving	Constant Current Driving	Constant Current Driving	Constant Current Driving
	Frame Rate	60 Hz	60 Hz	60 Hz	60 Hz
	Refresh Rate	≥ 1920 Hz	≥ 1920 Hz	≥ 1920 Hz	≥ 1920 Hz
General	Service life(H)	≥ 80000 H	≥ 80000 H	≥ 80000 H	≥ 80000 H
	Temperature(°C)	-10 °C to 65 °C (14 °C to 149 °C)	-10 °C to 65 °C (14 °C to 149 °C)	-10 °C to 65 °C (14 °C to 149 °C)	-10 °C to 65 °C (14 °C to 149 °C)
	Humidity(RH)	10% to 90%	10% to 90%	10% to 90%	10% to 90%

Interactive Flat Panel

Advance Collaboration to a New Level

- UHD 4K resolution
- Anti-glare and anti-collision tempered glass protection
- 20-Point touch control and smooth writing experience
- Built-in Camera and Microphone
- On-screen annotations with built-in whiteboard software
- Various interfaces including USB Type-C (also known as USB-C)
- AI Camera supports auto framing and speaker tracking

Model		DS-D5B55RB/A	DS-D5B65RB/A	DS-D5B75RB/A	DS-D5B86RB/A
Image					
Display	Diagonal Size	55 inch LED Backlight	65 inch LED Backlight	75 inch LED Backlight	86 inch LED Backlight
	Backlight	DLED	DLED	DLED	DLED
	Panel	LCD	LCD	LCD	LCD
	Resolution	3840 × 2160 @60 Hz	3840 × 2160 @60 Hz	3840 × 2160 @60 Hz	3840 × 2160 @60 Hz
	Color	10 bit	10 bit	10 bit	10 bit
	Visual Angle	178°(H)/178°(V)	178°(H)/178°(V)	178°(H)/178°(V)	178°(H)/178°(V)
	Response Time	6 ms	6 ms	6 ms	6 ms
	Contrast	4500: 1(Typ.)	1200: 1(Typ.)	1200: 1(Typ.)	1200: 1(Typ.)
	Brightness	350 cd/m²	350 cd/m²	350 cd/m²	350 cd/m²
	Dot Pitch (H×V)	0.105(H) × 0.315(V) mm	0.124(H) × 0.372(V) mm	0.143(H) × 0.430(V) mm	0.164(H) × 0.493(V) mm
Interface	Input Interface	HDMI IN × 2, MAX 4 K @ 60 Hz, LINE IN × 1	HDMI IN × 2, MAX 4 K @ 60 Hz, LINE IN × 1	HDMI IN × 2, MAX 4 K @ 60 Hz, LINE IN × 1	HDMI IN × 2, MAX 4 K @ 60 Hz, LINE IN × 1
	Output Interface	HDMI OUT × 1, MAX 4K @ 60 Hz, LINE OUT × 1	HDMI OUT × 1, MAX 4K @ 60 Hz, LINE OUT × 1	HDMI OUT × 1, MAX 4K @ 60 Hz, LINE OUT × 1	HDMI OUT × 1, MAX 4K @ 60 Hz, LINE OUT × 1
	Control Interface	RS-232 × 1	RS-232 × 1	RS-232 × 1	RS-232 × 1
Power	Power Consumption	< 200 W (full load)	< 250 W (full load)	< 300 W (full load)	< 420 W (full load)
	Power Requirement	0.5 W	0.5 W	0.5 W	0.5 W
Working Environment	Operating Temperature	0 °C-40 °C	0 °C-40 °C	0 °C-40 °C	0 °C-40 °C
	Operating Humidity	10%-90% RH	10%-90% RH	10%-90% RH	10%-90% RH
General	Dimension (W×H×D)	1266 × 764 × 57 mm	1507 × 905 × 86 mm	1718× 1021 × 87.5 mm	1963× 1159 × 87.5 mm

Model		DS-D5B55RB/B	DS-D5B65RB/B	DS-D5B75RB/B	DS-D5B86RB/B
Image					
Display	Diagonal Size	55 inch LED Backlight	65 inch LED Backlight	75 inch LED Backlight	86 inch LED Backlight
	Backlight	DLED	DLED	DLED	DLED
	Panel	LCD	LCD	LCD	LCD
	Resolution	3840 × 2160 @60 Hz	3840 × 2160 @60 Hz	3840 × 2160 @60 Hz	3840 × 2160 @60 Hz
	Color	10 bit	10 bit	10 bit	10 bit
	Visual Angle	178°(H)/178°(V)	178°(H)/178°(V)	178°(H)/178°(V)	178°(H)/178°(V)
	Response Time	6 ms	6 ms	6 ms	6 ms
	Contrast	4500: 1(Typ.)	1200: 1(Typ.)	1200: 1(Typ.)	1200: 1(Typ.)
	Brightness	350 cd/m²	350 cd/m²	350 cd/m²	350 cd/m²
	Dot Pitch (H×V)	0.105(H) × 0.315(V) mm	0.124(H) × 0.372(V) mm	0.143(H) × 0.430(V) mm	0.164(H) × 0.493(V) mm
Interface	Input Interface	HDMI IN × 2, MAX 4 K @ 60 Hz, LINE IN × 1	HDMI IN × 2, MAX 4 K @ 60 Hz, LINE IN × 1	HDMI IN × 2, MAX 4 K @ 60 Hz, LINE IN × 1	HDMI IN × 2, MAX 4 K @ 60 Hz, LINE IN × 1
	Output Interface	HDMI OUT × 1, MAX 4K @ 60 Hz, LINE OUT × 1	HDMI OUT × 1, MAX 4K @ 60 Hz, LINE OUT × 1	HDMI OUT × 1, MAX 4K @ 60 Hz, LINE OUT × 1	HDMI OUT × 1, MAX 4K @ 60 Hz, LINE OUT × 1
	Control Interface	RS-232 × 1	RS-232 × 1	RS-232 × 1	RS-232 × 1
Power	Power Consumption	< 250 W (full load)	< 250 W (full load)	< 300 W (full load)	< 420 W (full load)
	Power Requirement	0.5 W	0.5 W	0.5 W	0.5 W
Working Environment	Operating Temperature	0 °C-40 °C	0 °C-40 °C	0 °C-40 °C	0 °C-40 °C
	Operating Humidity	10%-90% RH	10%-90% RH	10%-90% RH	10%-90% RH
General	Dimension (W×H×D)	1266 × 789 × 83 mm	1507 × 930 × 86 mm	1718× 1021 × 87.5 mm	1963× 1159 × 87.5 mm

Digital Signage

Diversified Advertisement Media Player

- 4K Display
- External signal inputs
- Flexible and efficient advisement display and management
- Ready-to-go design templates
- Cross-network management
- Environmentally-friendly “green” advertising
- Multiple applications to suit various business scenarios

Model		DS-D6032FN-B	DS-D60C-B	DS-D6043UN-B
Image				
Display	Screen Size	32 inch	-	43 inch
	Screen Active Zone	"698.4 (H) x 392.85 (V) mm (27.50 x 15.47 inch)"	-	941.184 (H) mm × 529.416 (V) mm
	Backlight	ELED backlight	-	D-LED
	Pixel Pitch	0.36375 mm × 0.36375 mm	-	0.2451 (H) mm × 0.2451 (W) mm
	Resolution	1920 × 1080@60 Hz	1920 x 1080p @ 30 Hz, 1920 x 1080p @ 50 Hz, 1920 x 1080p @ 60 Hz, 1280 x 720p @ 30 Hz, 1280 x 720p @ 50 Hz, 1280 x 720p @ 60 Hz, 3840 x 2160p @ 30 Hz, 3840 x 2160p @ 50 Hz, 3840 x 2160p @ 50 Hz (YCbCr420), 3840 x 2160p @ 60 Hz, 3840 x 2160p @ 50 Hz (YCbCr420)	3840 × 2160
	Brightness	350 cd/m²	-	500 cd/m²
	Visual Angle	Horizontal: 178°, Vertical: 178°	-	Horizontal: 178°, Vertical: 178°
	Color Depth	8 bit	-	10 bit (8bit+FRC)
	Contrast	4000:1	-	1200:1
	Response Time	6.5 ms	-	8 ms
	Refresh Rate	60 Hz	-	60 Hz
	Color Gamut	72% NTSC	-	72% NTSC
Built-in System	CPU	Cortex-A17, 4-core, 1.6 GHz	4-core Cortex-A17	Cortex-A17, 4-core, 1.6 GHz
	Memory	2 GB	2 GB	2 GB
	SD Card	16 GB EMMC, TF 32 GB	8 GB EMMC, 32 GB TF Card	——
Interface	Video & Audio Output	1 x AUDIO 2 x Built-in loudspeakers	1 x AUDIO 1 x HDMI	LINE OUT × 1
	Network Interface	1 x LAN, Wi-Fi	1 × LAN	1 x LAN, Wi-Fi
	Data Transmission Interface	USB 2.0 × 2, TF Card × 1, BT 4.0 × 1	2 x USB 2.0 interface	USB2.0 × 2, BT × 1
General	Power	100 to 240 VAC, 50 or 60 Hz	12 VAC, 2 A	100 to 240 VAC, 50 or 60 Hz
	Power Consumption	≤ 75 W	≤ 20 W	≤ 110 W
	Standby Consumption	≤ 0.5 W	≤ 1 W	≤ 0.5 W
	Working Temperature	0 °C to 40 °C (32 °F to 104 °F)	0 °C to 50 °C (32 °F to 122 °F)	0 °C to 40 °C (32 °F to 104 °F)
	Working Humidity	10% to 80% RH	10% to 90%	10% to 80% RH (Condensation)
	Product Dimensions	723.24 (H) mm × 423.25 (V) mm × 61.5 (D) mm	145 x 145 x 31.89 mm	967.18 mm × 555.42 mm × 72.44 mm
	Packing Dimensions	898 mm × 152 mm × 544 mm	188 x 176 x 101 mm	1172 mm × 703 mm × 192 mm
	Weight	Net weight: 5.90 Kg (13.01 lb) Gross weight: 9.13 kg (20.13 lb.)	Net weight: 0.6 kg (1.3 lb.) Rough weight: 0.65 kg (1.4 lb.)	Net weight: 11.39 kg (25.11 lb.) Gross weight: 14.75 kg (35.52 lb.)

Model		DS-D6055UN-B	DS-D6055UL-B/S	DS-D6022FN-B
Image				
Display	Screen Size	55 inch	55 inch	21.5 inch
	Screen Active Zone	1209.6 (H) mm × 680.4 (V) mm	1209.6(H) × 680.4(V) mm	478.656 mm(H) × 260.28 mm (V)
	Backlight	D-LED	D-LED	ELED
	Pixel Pitch	0.315 (H) mm × 0.315 (V) mm	0.315(H) x 0.315(V)mm	0.24795 (H) mm × 0.24795 (V) mm
	Resolution	3840 × 2160	3840 × 2160	1920 × 1080
	Brightness	500 cd/m²	500 cd/m²	250 cd/m²
	Visual Angle	Horizontal: 178°, Vertical: 178°	Horizontal: 178°, Vertical: 178°	Horizontal: 178°, Vertical: 178°
	Color Depth	10 bit, 1.07B	8bit+FRC	8 bit, 16.7 M
	Contrast	4000:01:00	5700:1	3000:1
	Response Time	8 ms	6.5 ms	6.5 ms
	Refresh Rate	60 Hz	60 Hz	60 Hz
	Color Gamut	72% NTSC	72% NTSC	72% NTSC
Built-in System	CPU	Cortex-A17, 4-core, 1.6 GHz	Cortex-A17, 4-core, 1.6 GHz	Cortex-A17, 4-core, main frequency 1.6 GHZ
	Memory	2 GB	2 GB	2 GB
	SD Card	16 GB EMMC, TF 32 GB	16 GB EMMC	16 GB
Interface	Video & Audio Output	AUDIO OUT × 1, 5W Speaker × 2	AUDIO OUT × 1, 5W Speaker × 2	AUDIO OUT × 1, 5W Speaker × 2
	Network Interface	1 x LAN, Wi-Fi	1 x LAN, Wi-Fi	LAN × 1, Wi-Fi
	Data Transmission Interface	USB 2.0 × 2, TF Card × 1, BT 4.0 × 1	2 x USB, 1 x TF Card, BT 4.2	USB 2.0 × 2, TF Card × 1, BT4.0 × 2,
General	Power	100 to 240 VAC, 50 or 60 Hz	100 to 240VAC, 50/60 Hz	100 to 240 VAC, 50/60 ± 3 Hz
	Power Consumption	≤ 200 W	≤ 150 W	≤ 40 W
	Standby Consumption	≤ 0.5 W	<0.5W	≤ 10 W
	Working Temperature	0 °C to 40 °C (32 °F to 104 °F)	0 °C to 40 °C (32 °F to 104 °F)	0 °C to 40 °C (32 °F to 104 °F)
	Working Humidity	10% to 80% RH	0% to 90%	20% to 90% RH
	Product Dimensions	1237.2 mm × 708 mm × 83.44 mm	1962.7 (H) x 738 (V) x 450 (D) mm	516.75 (W) × 320.03 (H) × 46.55 (D) mm
	Packing Dimensions	1403 mm × 856 mm × 217 mm	2100 (H) × 916 (V) × 303 (D) mm	593 (W) × 434 (H) × 157 (D) mm
	Weight	Net weight: 19.2 kg (42.33 lb.) Gross weight: 24.53 kg (54.08 lb.)	"Net weight: 66.190 kg (145.92 lb.) Gross weight: 81.190 kg (178.99 lb.) "	"Net weight: 3.03 Kg (6.68 lb) Gross weight: 4.63 Kg (10.21 lb)"

Decoder

Decoder

Dynamic and Secure Video Stream

- Multiple output interfaces
- Supports various video compression formats
- Decoding capability up to 128-ch 1080p
- Supports splicing, cross-window, division, and roaming modes
- Video wall controlling up to 16 screens

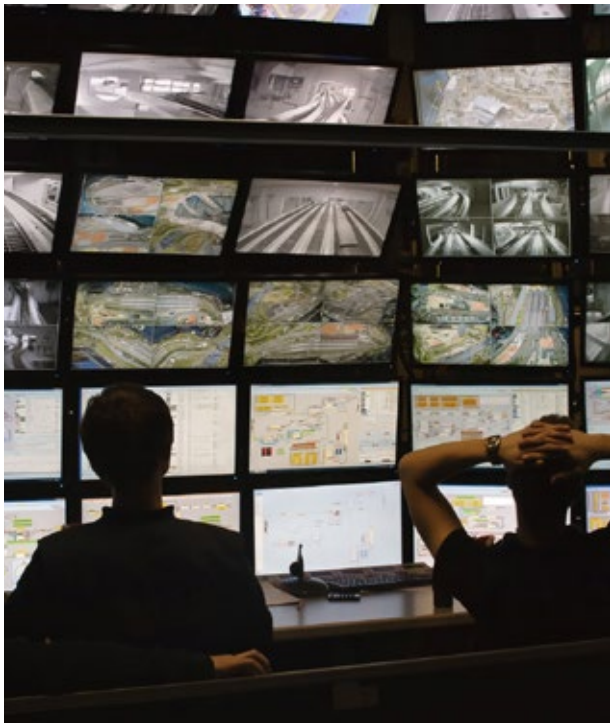
Model	DS-6901UDI	DS-6904UDI(B)	DS-6908UDI(B)	DS-6910UDI(B)	DS-6912UDI(B)	DS-6916UDI(B)
Image						
Video Stream Format Supported	H.265+/H.265, H.264+/H.264, Hik264, MPEG4 and MJPEG	H.265+/H.265, H.264+/H.264, Hik264, MPEG4 and MJPEG	H.265+/H.265, H.264+/H.264, Hik264, MPEG4 and MJPEG	H.265+/H.265, H.264+/H.264, Hik264, MPEG4 and MJPEG	H.265+/H.265, H.264+/H.264, Hik264, MPEG4 and MJPEG	H.265+/H.265, H.264+/H.264, Hik264, MPEG4 and MJPEG
Audio Stream Format Supported	G.722, G711A, G726, G711U, MPEG2-L2, and AAC	G.722, G711A, G726, G711U, MPEG2-L2, and AAC	G.722, G711A, G726, G711U, MPEG2-L2, and AAC	G.722, G711A, G726, G711U, MPEG2-L2, and AAC	G.722, G711A, G726, G711U, MPEG2-L2, and AAC	G.722, G711A, G726, G711U, MPEG2-L2, and AAC
Decoding Capability	12 MP @ 20 fps: 2-ch 8 MP @ 30 fps: 4-ch 5 MP @ 30 fps: 6-ch 3 MP @ 30 fps: 10-ch 1080p @ 30 fps: 16-ch	12 MP @ 20 fps: 4-ch 8 MP @ 30 fps: 8-ch 5 MP @ 30 fps: 12-ch 3 MP @ 30 fps: 20-ch 1080p: 36-ch 720p: 72-ch	12 MP @ 20 fps: 8-ch 8 MP @ 30 fps: 16-ch 5 MP @ 30 fps: 24-ch 3 MP @ 30 fps: 40-ch 1080p @ 30 fps: 64-ch	12 MP@ 20 fps: 10-ch 8 MP @ 30 fps: 20-ch 5 MP @ 30 fps: 30-ch 3 MP @ 30 fps: 50-ch 1080p @ 30 fps: 80-ch	12 MP @ 20 fps: 12-ch 8 MP @ 30 fps: 24-ch 5 MP @ 30 fps: 36-ch 3 MP @ 30 fps: 60-ch 1080p @30 fps: 96-ch	12 MP @ 20 fps: 16-ch 8 MP @ 30 fps: 32-ch 5 MP @ 30 fps: 48-ch 3 MP @ 30 fps: 80-ch 1080p @ 30 fps / 3 Mbps: 128-ch
Split Screen	1/4/6/8/9/12/16	1/2/4/6/8/9/12/16/25/36	1/4/6/8/9/12/16/25/36	1/4/6/8/9/12/16/25/36	1/4/6/8/9/12/16/25/36	1/4/6/8/9/12/16/25/36
VGA Output	1080p: 1920 × 1080 @ 50/60 Hz WSXGA: 1680 × 1050 @ 60 Hz SXGA: 1280 × 1024 @ 60 Hz 720p: 1280 × 720 @ 50/60 Hz	-	-	-	-	-
	1-ch	-	-	-	-	-
BNC Output	PAL: 704 × 576, NTSC: 704 × 480	PAL: 704 × 576, NTSC: 704 × 480	PAL: 704 × 576, NTSC: 704 × 480	PAL: 704 × 576, NTSC: 704 × 480	PAL: 704 × 576, NTSC: 704 × 480	PAL: 704 × 576, NTSC: 704 × 480
	1-ch	2-ch, 1-ch DB15	4-ch, 1-ch DB15	5-ch,2-ch DB15	6-ch, 2-ch DB15	8-ch, 2-ch DB15
HDMI Output	4K: 3840 × 2160@30 Hz (only for odd interface), 1080p: 1920 × 1080@50/60 Hz, 720p: 1280 × 720@50 Hz/60 Hz					
	1-ch	4-ch	8-ch	10-ch	12-ch	16-ch
Video Input	VGA, DVI-I: 1080p: 1920 × 1080@50/60 Hz, 720p: 1280 × 720@50 Hz/60 Hz	4K: 3840 × 2160@30 Hz (only for HDMI), 1080p: 1920 × 1080@50/60 Hz, 720p: 1280 × 720@50 Hz/60 Hz	VGA, DVI-I: 1080p: 1920 × 1080@50/60 Hz, 720p: 1280 × 720@50 Hz/60 Hz	VGA, DVI-I: 1080p: 1920 × 1080@50/60 Hz, 720p: 1280 × 720@50 Hz/60 Hz	VGA, DVI-I: 1080p: 1920 × 1080@50/60 Hz, 720p: 1280 × 720@50 Hz/60 Hz	VGA, DVI-I: 1080p: 1920 × 1080@50/60 Hz, 720p: 1280 × 720@50 Hz/60 Hz
	HDMI × 1, VGA × 1, BNC × 1	1-ch, HDMI connector; 1-ch, DVI-I connector	1-ch, VGA connector; 1-ch, DVI-I connector	1-ch, VGA connector; 1-ch, DVI-I connector	1-ch, VGA connector; 1-ch, DVI-I connector	1-ch, VGA connector; 1-ch, DVI-I connector
CVBS Output	-	-	-	-	-	-
Audio Output	1-ch	4 (DB15 × 1)	8 (DB15 × 1)	10 (DB15 × 2)	12 (DB15 × 2)	16 (DB15 × 2)
Network Interface	1 (10/100/1000 Mbps self-adaptive Ethernet interface)	RJ45 interface × 1, 10/100/1000 Mbps adaptive Optic interface × 1, 100 base-FX/1000 base-X An RJ45 interface and an optic interface form a combo.	RJ45 interface × 2, 10/100/1000 Mbps adaptive Optic interface × 2, 100 base-FX/1000 base-X An RJ45 interface and an optic interface form a combo.	RJ45 interface × 2, 10/100/1000 Mbps adaptive Optic interface × 2, 100 base-FX/1000 base-X An RJ45 interface and an optic interface form a combo.	RJ45 interface × 2, 10/100/1000 Mbps adaptive Optic interface × 2, 100 base-FX/1000 base-X An RJ45 interface and an optic interface form a combo.	RJ45 interface × 2, 10/100/1000 Mbps adaptive Optic interface × 2, 100 base-FX/1000 base-X An RJ45 interface and an optic interface form a combo.
Serial Interface	1 RS-232 (RJ45), 1 RS-485	1 RS-232 (RJ45), 1 RS-485	1 RS-232 (RJ45), 1 RS-485	1 RS-232 (RJ45), 1 RS-485	1 RS-232 (RJ45), 1 RS-485	1 RS-232 (RJ45), 1 RS-485
Two-Way Audio In	1-ch, 3.5 mm connector (2.0 Vp-p, 1 KΩ)	-	1-ch, 3.5 mm connector (2.0 Vp-p, 1 KΩ)	1-ch, 3.5 mm connector (2.0 Vp-p, 1 KΩ)	1-ch, 3.5 mm connector (2.0 Vp-p, 1 KΩ)	1-ch, 3.5 mm connector (2.0 Vp-p, 1 KΩ)
Two-Way Audio Out	1-ch, 3.5 mm connector (2.0 Vp-p, 1 KΩ)	-	1-ch, 3.5 mm connector (2.0 Vp-p, 1 KΩ)	1-ch, 3.5 mm connector (2.0 Vp-p, 1 KΩ)	1-ch, 3.5 mm connector (2.0 Vp-p, 1 KΩ)	1-ch, 3.5 mm connector (2.0 Vp-p, 1 KΩ)
Alarm In	8	-	8	8	8	8
Alarm Out	8	-	8	8	8	8
Dimensions (W×D×H)	220 mm × 148 mm × 45 mm (8.66 inch × 5.83 inch × 1.77 inch)	440 mm × 320.8 mm × 44.5 mm (17.32 inch × 12.63 inch × 1.75 inch)	440 mm × 320.8 mm × 44.5 mm (17.32 inch × 12.63 inch × 1.75 inch)	440 mm × 321 mm × 88 mm (17.32 inch × 12.64 inch × 3.46 inch)	440 mm × 321 mm × 88 mm (17.32 inch × 12.64 inch × 3.46 inch)	440 mm × 321 mm × 88 mm (17.32 inch × 12.64 inch × 3.46 inch)

Video Wall Controller

Video Wall Controller

All You Need to See, All the Time

- A signal source can be displayed on M × N (M ≥ 1, N ≥ 1) display units
- Built-in matrix, one signal displays on multiple windows
- Window division, splicing, roaming, cross-window
- Supports 1/4/9/16 window division modes and full-screen window switching
- Supports abundant interface types
- Mixed input and output slots
- Supports audio input and output
- Supports decoding board



DS-C10S-T Series

Model		DS-C30S-S11	DS-C30S-S23
Image		NEW	NEW
Hardware	Slot Number	11 (mixed insertion of input and output boards)	23 (mixed insertion of input and output boards)
Motherboard (DS-C30S-MCU)	Network Interface	2, 10 M/100 M/1000 M self-adaptive Ethernet interfaces 1, 10 Gigabit optical interface	2, 10 M/100 M/1000 M self-adaptive Ethernet interfaces 1, 10 Gigabit optical interface
	USB Interface	2 × USB 2.0 (Reserved)	2 × USB 2.0 (Reserved)
	RS-232 Serial Interface	1	1
Network Decoding Board (DS-C30S-DEC)	Decoding Performance	Resolution: 16 x 1080P30 or 32 x 720P@30. Supports decoding up to 1600W pixels. Format: H.265, H.264, Mpeg4, etc. Audio Decoding Channel Number: 32 Format: audio encoding format G711-A, G711-U, G722.1, G726-16/U/A, MPEG, AAC-LC	
DVI Input Board (DS-C30S-04DI)	Interface	4 × DVI interface	
	DVI Input Resolution	1024 × 768@60 Hz, 1280 × 1024@60 Hz, 1366 × 768@60 Hz, 1440 × 900@60 Hz, 1680 × 1050@60 Hz, 1280 × 960@60 Hz, 1600 × 1200@60 Hz, 1280 × 720P@50 Hz, 1280 × 720P@60 Hz, 1920×1080P@50 Hz, 1920 × 1080P@60 Hz, 1920 × 1200@60 Hz	
VGA Input Board (DS-C30S-04VI)	Interface	4 × VGA interface	
	VGA Input Resolution	1024 × 768@60 Hz, 1280 × 1024@60 Hz, 1366 × 768@60 Hz, 1440 × 900@60 Hz, 1680 × 1050@60 Hz, 1280 × 960@60 Hz, 1600 × 1200@60 Hz, 1280 × 720P@50 Hz, 1280 × 720P@60 Hz, 1920×1080P@50 Hz, 1920 × 1080P@60 Hz, 1920 × 1200@60 Hz	
HDMI Input Board (DS-C30S-04HI)	Interface	4 × HDMI interface	
	HDMI Input Resolution	1024×768@60Hz, 1280×1024@60Hz, 1366×768@60Hz, 1440×900@60Hz, 1680×1050@60Hz, 1280×960@60Hz, 1600×1200@60Hz, 1280×720P@50Hz, 1280×720P@60Hz, 1920×1080P@50Hz, 1920×1080P@60Hz, 1920×1200@60Hz	
HDMI Input Board (DS-C30S-02HI/4K)	Interface	2 × HDMI interface	
	HDMI Input Resolution	custom resolution: width 1920 ~ 4092, height 1080 ~ 2160, frame rate 30/60. Only supports frame rate of 60 when the width is less than 2560 or the height is less than 1940.	
DP Input Board (DS-C30S-02DPI/4K)	Interface	2 × DP interface	
	DP Input Resolution	1024 × 768@60 Hz, 1280 × 1024@60 Hz, 1366 × 768@60 Hz, 1440 × 900@60 Hz, 1680 × 1050@60 Hz, 1280 × 960@60 Hz, 1600 × 1200@60 Hz, 1280 × 720P@50 Hz, 1280 × 720P@60 Hz, 1920 × 1080P@50 Hz, 1920 × 1080P@60 Hz, 1920 × 1200@60 Hz, 3840 x 2160@30 Hz, 3840 × 2160@60 Hz, 4096 x 2160@30 Hz, 4096 x 2160@60 Hz	
DVI Output Board (DS-C30S-04DO)	Interface	4 × DVI interface	
	DVI Output Resolution	1920 x 1200@60 HZ, 1600 x 1200@60 Hz, 1920 x 1080@60 Hz, 1680 x 1050@60 Hz, 1280 x 720@60 Hz, 1280 x 1024@60 Hz, 1024 x 768@60 Hz Supports LED screen and custom resolution output. Can be configured with maximum area length x width less than 260 W.	
HDMI Output Board (DS-C30S-04HO)	Interface	4 × HDMI interface	
	HDMI Output Resolution	1360 × 768@60Hz, 1400 × 1050@60Hz, 1280 × 720@60Hz, 1024 × 768@60Hz, 1920 × 1080@60Hz	
Two-in-one output board card(DS-C30S-L104)	Interface	4 x miniSAS to 20 x 1G electrical interfaces, 2 x 10G optical interfaces	
	Video Output Resolution	1920 × 1200@60 HZ, 1600 × 1200@60 Hz, 1920 × 1080@60 Hz, 1680 × 1050@60 Hz, 1280 × 720@60 Hz, 1280 × 1024@60 Hz, 1024 × 768@60 Hz, Supports LED screen and custom resolution output. Can be configured with maximum area length x width less than 260 W.	
Others	Power Supply	AC 100 ~ 240 V, 50/60 H	AC 100 ~ 240 V, 50/60 Hz
		1+2 redundant power supplies	2+1 redundant power supplies
	Consumption	≤600 W (full-loaded)	≤1000 W (full-loaded)
	Working Temperature	0 °C ~ 50 °C	0 °C ~ 50 °C
	Working Humidity	10 ~ 90% (non-condensing)	10 ~ 90% (non-condensing)
	Chassis	4.5 U	8 U
	Dimension	447 mm (depth) × 207.8 mm (height) × 442 mm (width)	447 mm (depth) ×354.8 mm (height) × 442 mm (width)
	Weight	≤40 KG (full-loaded)	≤60 KG (full-loaded)

Software

145 HikCentral Professional

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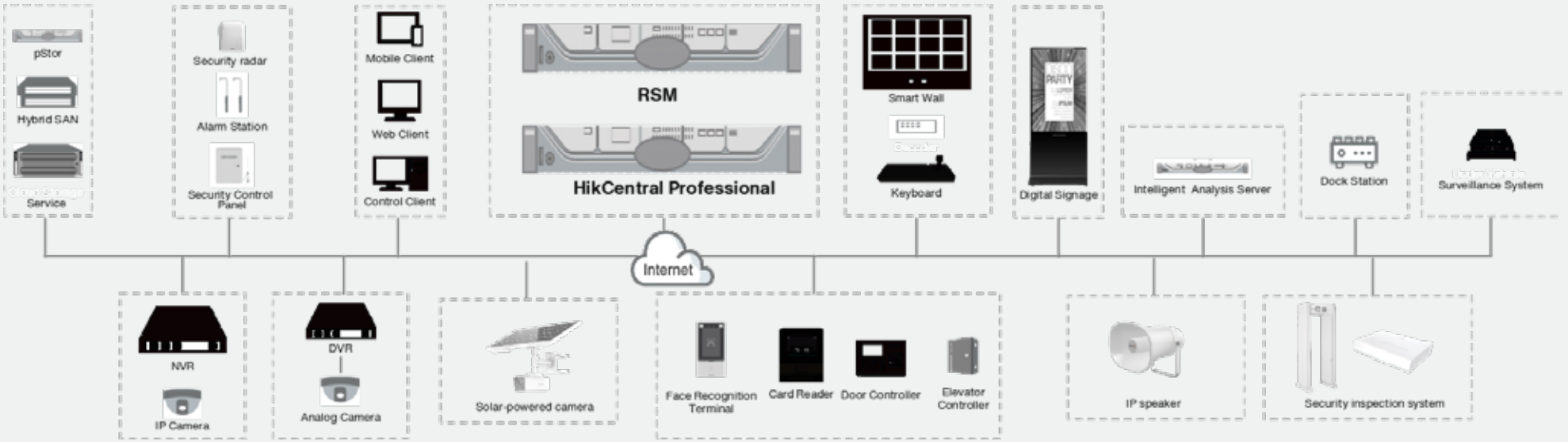
HikCentral Professional

Versatile Security in One Platform

HikCentral Professional, Hikvision's software platform for integrating and managing security systems, is designed to meet a variety of security challenges in one place. With this advanced platform, users can manage individual systems such as video security, access control, security alarms, and more, as well as explore cross-system functionalities. While facilitating protection of people and property, HikCentral Professional makes daily operations more efficient and helps users of all kinds make smarter decisions.

- **Simplifies Deployment and Maintenance** – With a minimum system requirement of Intel i3 CPU and 8 GB RAM, you can have your own security platform deployed with limited hardware cost. Moreover, maintenance of the whole system is much easier with visualized health monitoring in real time.
- **Facilitates Hassle-free Integration** – Through an open architecture design and a series of highly adaptive OpenAPI interfaces, you will enjoy hassle-free integration with a wide range of third-party systems such as ARC and payroll systems.
- **Streamlines Operations and Management** – With situational awareness powered by informative dashboards and interactive E-maps, optimal approaches advised by operation wizards, and the flexibility of a user-defined control panel, you will make smarter decisions fluidly and efficiently.
- **Scales as Business Grows** – By virtue of a flexible and scalable architecture, the platform can be scaled as your business needs evolve. You can expand it from a small 32-channel, 8-door system to an ultra-large-scale system that links up to 100,000 channels of equipment (under the RSM mode).



HCP

Software	
System Architecture	Server / Web Client / PC Client / Mobile APP
OS	Microsoft® Windows 7 SP1 (64-bit) Microsoft® Windows 8.1 (64-bit) Microsoft® Windows 10 (64-bit) Microsoft® Windows Server 2008 R2 SP1 / 2012 / 2012 R2 / 2016 / 2019 (64-bit)
Browser	Internet Explorer 10/11 and above
	Chrome 61 and above
	Firefox 57 and above
	Safari 11 and above (running on Mac OS X 10.3/10.4)
Database	PostgreSQL V11.8
Supported Language	29 languages:English, 简体中文 (Simplified Chinese),Русский(Russian),Български (Bulgarian),Magyar(Hungarian),Deutsch(German),Italiano (Italian),Čeština (Czech),Français (French),Polski (Polish),Nederlands (Dutch),Português(Portuguese),Español (Spanish),Dansk (Danish),Suomi(Finnish),Türkçe(Turkish), 한국어 (Korean), 繁體中文 (Traditional Chinese),ภาษาไทย (Thai),Tiếng Việt(Vietnamese), 日本語 (Japanese), العربية(Arabic),Українська(Ukrainian),עברית(Hebrew),Srpski (Serbian), Bahasa Malaysia (Malaysia), Português (Brasil) (Brazilian Portuguese), Svenska (Swedish)

Hardware	
CPU	Intel® Core™ i5-4590 @ 3.30 GHz
Memory	8 GB
HDD	At least 650 GB

HikCentral Professional Maximum Performance		
General	Managed Devices	General Performance: 1,024①
		High Performance: 2,048②
	Areas	3,000
Users and Roles	Users	3,000
	Roles	3,000
Person	Persons	50,000
	Cards	250,000
	Fingerprints	100,000
	Profiles	50,000
Video Security	Cameras	General Performance: 3,000①
		High Performance: 10,000②
		High Performance (RSM): 100,000
	Decoding Devices	32
	Smart Walls	32
Face Comparison	Persons with Profiles for Face Comparison	1,000,000
	Face Comparison Groups	64
Access Control	Access Points (Doors + Floors)	1,024
	Access Schedules	32
Visitor	Visitors	20,000
Time & Attendance	Shift Schedules	128
	Persons for Time and Attendance	10,000
	Attendance Reports	16
Vehicle and Parking	Parking Lots	10
	Parking Spaces	Total: 3,000 In One Floor: 1,024
	Lanes	Total: 40 In One Parking Lot: 32
	Cards Linked with Vehicles	250,000
	Vehicles	500,000
Alarm	Vehicle Passing Frequency in Each Lane	1 Vehicle/s
	Alarms	60 million
	Alarms Sent to All Clients	120/s
Security Inspection	Analyzers	General Performance①: 32
	-	High Performance②: 64
	Walk-Through Metal Detectors	General Performance①: 64
	-	High Performance②: 128
	Security Inspection Channels	General Performance①: 500
	-	High Performance②: 1,000

①: The general performance requires Intel® Xeon® E3-1220 or higher.
②: The high performance requires Intel® Xeon® E5-2620 or higher.

HikCentral Connect

Connected Security, Ready to Go

HikCentral Connect – Hikvision's VSaaS platform for unified security management with boosted flexibility, scalability, and cost-effectiveness – is ready to take your business to the next level! For property owners and business managers, it's never been easier to find a tailored security solution for your premises.

- **Remote Management** – Users take complete control of on-site security of multiple sites at any time, from anywhere.
- **Budget Friendly** – Minimize your upfront investments and labor costs for maintaining servers via cloud-hosting infrastructure.
- **Highly Scalable** – Lightweight and easy to scale, the platform grows in scope and size as your business grows.
- **Secure and Reliable** – No need to worry about hardware risks and system compatibility since it is always up-to-date.
- **Easy to Deploy** – Quickly deploy security projects without the need to install or maintain a bunch of servers.

HCC

Software	
System Architecture	Web Client / Mobile APP
OS	Microsoft® Windows 7 and above
	iOS 10.0 and later
	Android 5.0 and later
Browser	Internet Explorer 11 and above
	Chrome 61 and above
	Firefox 57 and above
	Microsoft® Edge 90 and above
Database	N/A
Supported Language	18 languages: English, العربية(Arabic), 繁體中文 (Traditional Chinese),Nederlands (Dutch),Français (French),Deutsch (German),Indonesia (Indonesian),Italiano (Italian), 日本語 (Japanese), 한국어 (Korean),Polski (Polish),Português (Portugal),Português (Brazil),Русский (Russian),Español (Spanish),ภาษาไทย (Thai),Türkçe (Turkish),Tiếng Việt(Vietnamese)

Hardware	
CPU	N/A
Memory	N/A
HDD	N/A

HikCentral Connect Maximum Performance per System ①		
General	Encoding Devices	20,000
	Mobile Devices	5,000
	Cloud Storage Boxes	20,000
	Areas	15,000
Users and Roles	Users	20,000
	Roles	20,000
Video Security	Video Channels	100,000
	Alarm Inputs	8,000
	Alarm Outputs	5,000
	Recording Schedules	100,000
Vehicle	Vehicle Route Retention Period	6 months
Alarm	Alarms Rules	20,000
	Arming Schedule Templates	200
	Alarm Record Storatge	20,000,000
	Alarm Record Retention Period	6 months
	Concurrent Alarm Handling	1,000 / second
	Concurrent Alarm Pushing	20 /second / client (for 100 clients)
	Retention Period of Alarm-Related Pictures	6 months
Operation Log	Log Retention Period	90 days
Client Logins	Concurrent Portal Logins	200
	Concurrent Mobile Client Logins	200

①The performance of a single HikCentral Connect system can be scaled as needed.

HikCentral Enterprise-Retail

Platform Solution for Retail Business Intelligence

HikCentral Enterprise- Retail is a centralized and intelligent platform that combines reliable video surveillance functionality with intelligent application, helping retailers improve in-store service and increase store profits. HikCentral Enterprise-Retail is suitable for small or middle-sized chain stores, which increases the effectiveness and efficiency. It provides operation management, operation analytics, audit and rating, integrated control, video security, alarm detection and maintenance applications to meet the requirements of retailers who need a boost in operations, management, and more.

- **Operation Management** - The retail component supports customer and unauthorized-person archive management, searching and viewing store visit records of various types of persons (including customers, regular customers, unauthorized persons, strangers, etc.) , view visitor capture records, visitor comparison records, and search the captured pictures by uploading a picture. And store visit records are also available by mobile.
- **Customer Traffic Analysis** – The retail component supports multiple customer traffic statistics, such as customer traffic analytics, Walk-In Rate Analytics, Customer Flow Direction Analytics, Customer Expression Analytics. It can exclude clerks and repetitive customers for more accurate customer traffic analytics (based on faces).
- **Audits and Rating** – Real-time random audits, timed random audits, on-site audits (via E-Store app), image scheduled audits, and video scheduled audits are featured. Users can submit deficiencies found in audits to the audited store for rectification. The deficiency center provides a closed-loop rectification procedure for any issues found in an audit, including rectification, submission of results, and review of the submitted results.

HCE-Retail

Software	
System Architecture	Server / Web Client / PC Client / Mobile APP
OS for Server	CentOS 7.2 64 bit / CentOS 7.4 64 bit / CentOS 7.6 64 bit
OS for Client	Microsoft® Windows 7 (32/64 bit)
	Microsoft® Windows 10 (64 bit)
Browser	Internet Explorer 11 and above
	Chrome 63.0.3239.108 and above
Supported Language	2 languages: English, 简体中文 (Simplified Chinese) (Ukrainian),(Hebrew)

Hardware	
CPU	CPU: 2.1G, 8C/16T
Memory	64 GB
HDD	HDD: 1T SATA × 4, 3.5" Enterprise SATA 7.2k HDDs
NIC	1GbE * 2

HikCentral Enterprise-Retail Maximum Performance		
Items		Max Performance
Operation Management	Stores	500
	Archives	3,000,000 archives, including archives of customers and archives of unauthorized persons.
	Store Visit Notification Time	Within 5s in average for one notification when there are less than 1,000,000 archives; within 10s in average when there are less than 3,000,000 archives.
	Face Pictures Processed Concurrently	100 Pictures/s (Size of Each Picture: 300 KB)
	Event Storage	160,000,000 Events
Face Counting Camera for Customer Traffic (Face)	Counting Groups	3,000
	Cameras per Counting Group	100
	Customer Traffic Retention Period	3 Years
Dual-Lens People Counting Camera for Customer Traffic (Conventional)	Counting Groups	5,000
	Cameras per Counting Group	100
	Traffic Counting Retention Period	5 Years
	Accessed Dual-Lens People Counting Camera	5,000
Walk-In Rate Analytics	Counting Groups	2,500
	Counting Groups per Store	16
	Cameras per Counting Group	4
	Data Storage	2,000,000
	Data Retention Period	3 Years
Customer Flow Direction Analytics	Counting Groups	5,000
	Cameras per Counting Group	100
	Data Retention Period	3 Years
	Queue Management Cameras	3,000
Heat Map	Counting Groups	5,000
	Counting Groups per Store	20
	Cameras per Counting Group	10
	Accessed Fisheye Cameras	500
	Heat Data Storage	8,000,000
	Heat Data Retention Period	2 Years

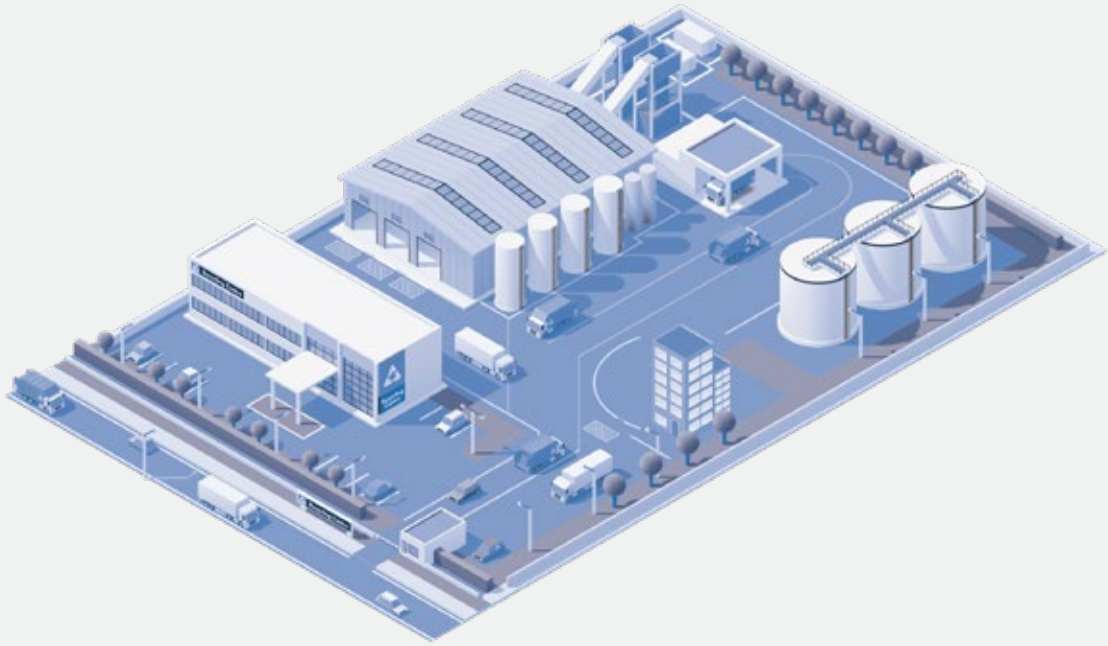
HikCentral Enterprise-Retail Maximum Performance		
Items		Max Performance
Customer Expression Analytics	Counting Groups	2,500
	Global Counting Groups per Store	1
	Local Counting Groups per Store	16
	Cameras per Counting Group	16
	Data Storage	2,000,000
	Data Retention Period	3 Years
Audit and Rating	Rating Categories	20
	Rating Items in a Rating Category	20
	Deficiencies of a Rating Item	20
	Scene	30
	Cameras for a Picture Scheduled Audit Task	100
Video Security	Areas	20000
	Organizations	50000
	Users	200000
	Simultaneous Online Users	5000
	Simultaneous Events	300 Events/s
	Event Storage	72,000,000 Events
	Event Retention Period	3 Years
	Resources in Map	20000
	Maps per Area	4
	Channels for Video Surveillance	General Performance: 5,000
		High Performance: 100,000
	Video Walls	10
	Decoding Devices	128
	Screens per Video Wall	25 × 25
	Security Control Panels	100
	Zones	1000
	Zones per Area	1000
	Alarm Records Storage	1,000,000 Records
	Alarm Records Retention Period	3 Years
	Panic Alarm Devices	500
	Alarm Records Storage	1,000,000 Records
	Alarm Records Retention Period	3 Years
Central Storage	Channels	100,000

HikCentral Enterprise-Industrial

All-inclusive Platform Solution for Industrial Parks

HikCentral Enterprise-Industrial is a centralized and intelligent platform integrates and links security information by accessing video security devices, single-card system devices, parking lot devices, alarm system devices, and more, to give you diversified intelligent applications. Based on IoT technology, it integrates technologies such as video monitoring, facial recognition, AI, big data, etc., and combine hardware with software.

- **Industrial Application** – Goods management, dock management, AR-scenario application, AI-model management, remote patrol, thermal analysis, dashboard – it's all here. This system is suitable for industrial sites of commodities businesses, manufacturing industry, and logistics companies. Based on an "Integrated Software Framework", HikCentral Enterprise-Industrial will keep satisfying users' quickly updating needs via its advanced componential technology. This system will excel in every industry with its integration and centralized management of various resources.
- **Access Control** – The integrated system includes access control, elevator control, visitor management, video intercom, patrols, and other functions to help users manage the access permissions of various personnel and formulate patrol tasks.
- **Vehicle Control** – Entrance and exit management, parking lot management, parking guidance, checkpoint violation management, etc., constitute a vehicle control system so users can build their own parking payment and violation management system.
- **Base Functionality** - Includes video security, alarm detection and maintenance applications. Video Security modules provides live viewing, playback, smart video walls, and PTZ control, this system helps users complete daily security inspections and monitoring. Alarm detection modules provides intrusion alarm and panic alarm, supports managing and configuring alarm devices, arming/disarming/clearing alarm of the partition, and arm/disarm all the partitions,.etc. In Operation and Maintenance modules, users can check the status of various devices and services in real time, troubleshooting and making repairs in a timely manner wherever and whenever needed.



HCE-Industrial

Software	
System Architecture	Server / Web Client / PC Client / Mobile APP
OS for Server	CentOS 7.2 64 bit / CentOS 7.4 64 bit / CentOS 7.6 64 bit
OS for Client	Microsoft® Windows 7 (32/64 bit)
	Microsoft® Windows 10 (64 bit)
Browser	Internet Explorer 11 and above
	Chrome 73 and later (recommended)
Supported Language	2 languages: English, 简体中文 (Simplified Chinese)

Hardware	
CPU	CPU: 2.1G, 8C/16T, 9.6GT/s
Memory	64 GB
HDD	HDD: 1T SATA × 4, 3.5" Enterprise SATA 7.2k HDDs
NIC	1GbE * 4

HikCentral Enterprise-Industrial Maximum Performance		
Items		Max Performance
Goods Management	Sorting Center	128 check points per conveyor line,5000 check points, Scanning records: 300 items per second, Retention Period: 6 Months, Storage: 360,000,000 records
	Loading Center	5000 check points, Scanning records: 300 items per second, Retention Period: 6 Months, Storage: 360,000,000 records
Dock Management	Docks	500 docks,30 companies, Retention Period: 2 Years
Thermal Analysis	Thermography Rules	170 thermography cameras, 21 thermography rules per camera
AR Scenario Application	Scenes	10000 scenes, 500 tags per scene
Video Security	Channels for Video Security	5000
	Video Walls	10
	Decoding Devices	16
	Screens per Video Wall	25 × 25
Access Control	Access Control Devices	20000
	Access Points	20000
	Access Records Storage	50,000,000 Records
	Access Records Retention Period	3 Years
	Persons for Time and Attendance	20000
Time & Attendance	Access Records Storage	40,000,000 Records
	Attendance Records Storage	10,000,000 Records
	Access Records Retention Period	3 Years
	Attendance Details Retention Period	3 Years
Elevator Control	Elevator Control Devices	500
	Access Records Storage	20,000,000 Records
	Access Records Retention Period	3 Years
Video Intercom	Residences	10000
	Video Intercom Devices	10000
	Access Records Storage	50,000,000 Records
	Access Records Retention Period	3 Years
Parking	Vehicles per Day	10000
	Parking Lots	5
	Lanes	20
	Parking Spaces	10000
	Registered Vehicles	30000
Campus Checkpoint	Capture Cameras	30
	Display Screens	30
	Passing Vehicle Records Storage	10,000,000 Records
	Passing Vehicle Records Retention Period	3 Years
Facial Surveillance	Facial Recognition Servers	5
	Face Capture Cameras	500
	DeepinMind NVRs	100
	Faces	300000
	Face Groups	16
	Face Pictures per Face Group	30000
	Face Pictures Applied Simultaneously	1.6 Pictures/s
	Simultaneous Facial Recognition Events	200 Events/s
Intrusion	Security Control Panels	100
	Zones	1000
	Zones per Area	1000
	Alarm Records Storage	1,000,000 Records
	Alarm Records Retention Period	3 Years
Panic Alarm	Panic Alarm Devices	500
	Alarm Records Storage	1,000,000 Records
	Alarm Records Retention Period	3 Years
Central Storage	Channels	5000

HikCentral Enterprise-Education

Intelligent Platform Solution for Education

HikCentral Enterprise-Education is an information technology which has been developed for central management of video monitoring and education. It is a platform for collaborative teaching-learning to connect students and educators virtually and ensure uninterrupted learning with screen sharing. It features flexibility, scalability, high reliability, and powerful functions.

- **Education Application** – This deep vertical application provides education sharing, classroom attendance, and education Digital Signage, school gate Attendance, dorm Attendance. The informatization of education is designed to use information technology to support the use and development of educational resources.
- **Access Control** – The integrated system includes access control, elevator control, visitor management, video intercom, patrols, and other functions to help users manage the access permissions of various personnel and formulate patrol tasks.
- **Vehicle Control** – Entrance and exit management, parking lot management, parking guidance, checkpoint violation management, etc., constitute a vehicle control system so users can build their own parking payment and violation management system.
- **Base Functionality** - Includes video security, alarm detection and maintenance applications. Video Security modules provides live viewing, playback, smart video walls, and PTZ control, this system helps users complete daily security inspections and monitoring. Alarm detection modules provides intrusion alarm and panic alarm, supports managing and configuring alarm devices, arming/disarming/clearing alarm of the partition, and arm/disarm all the partitions,.etc. In Operation and Maintenance modules, users can check the status of various devices and services in real time, troubleshooting and making repairs in a timely manner wherever and whenever needed.

HCE-Education

Software	
System Architecture	Server / Web Client / PC Client / Mobile APP
OS for Server	CentOS 7.2 64 bit / CentOS 7.4 64 bit / CentOS 7.6 64 bit
OS for Client	Microsoft® Windows 7 (32/64 bit)
	Microsoft® Windows 10 (64 bit)
Browser	Internet Explorer 11 and above
	Chrome 63.0.3239.108 and above
Supported Language	2 languages: English, 简体中文 (Simplified Chinese) (Ukrainian),(Hebrew)

Hardware	
CPU	CPU: 2.1G, 8C/16T
Memory	64 GB
HDD	HDD: 1T SATA × 2, 3.5" Enterprise SATA 7.2k HDDs
NIC	1GbE * 4

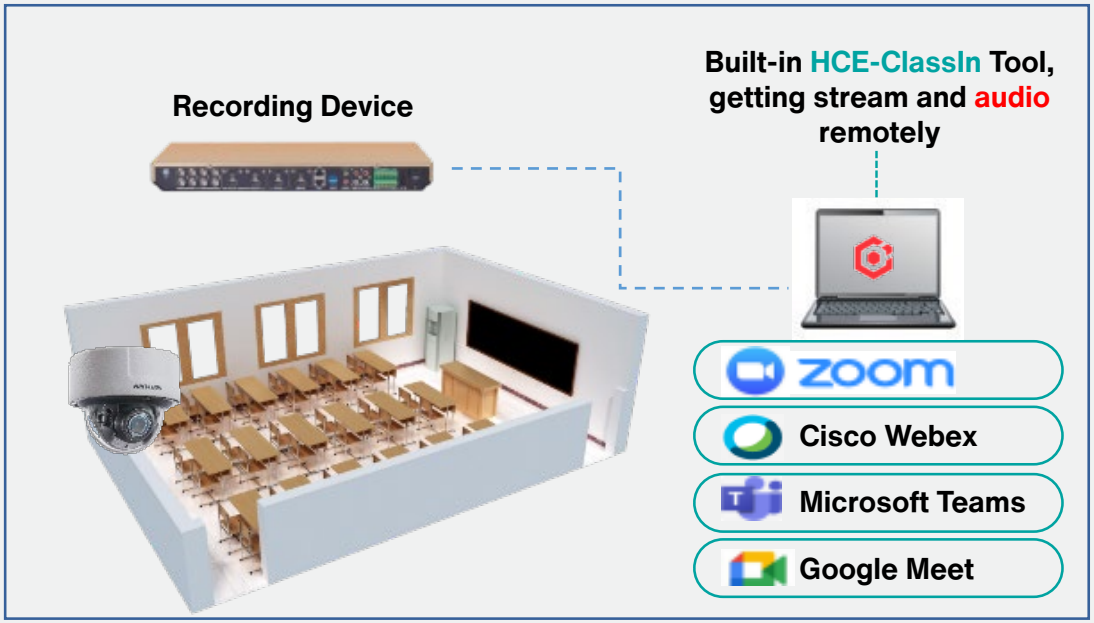
HikCentral Enterprise - Education Maximum Performance		
Items		Max Performance
Education Application	Classrooms	100
	Teachers and Students	2000
	Education Sharing System	100
	Persons for Viewing Recorded Courses	50
	Persons for Viewing Live Courses	150
	Classroom Information Release Screen	36
	Classroom Attendance Check Camera	36
General	Organizations	50000
	Areas	20000
	Users	200000
	Roles	10000
	Persons	300000
	Cards	300000
Video Security	Channels for Video Surveillance	100000
	Smart Walls	10
	Screens per Video Wall	25 * 25
Event & Alarm	Event Storage	72000000
	Simultaneous Events	300/s
Intrusion	Security Control Panels	100
	Zones	1000
Facial Application	Face Capture Cameras	500
	Faces	300000
	Face Groups	16
	Face Pictures per Face Group	30000
Attendance	People for Attendance	200000
Video Intercom	Residences	10000
Parking	Parking Lots	20
	Lanes	60
	Parking Spaces in Total	10000
	Parking Spaces per Floor	2000
	Registered Vehicles	30000
Campus Checkpoint	Checkpoints	30
	Display Screens	30
Central Storage	Channels	100000

HikCentral Enterprise-ClassIn

Remote Training Solution

Hikvision Remote Training Solution, Hikvision's lightweight remote training solution expands the online training scene to better meet the needs of users

- **High adaptability** - HikCentral Enterprise-ClassIn software is perfectly compatible with the current popular conference software, without changing customers' usage habits, and perfectly makes up for the butting problem between IP devices of the conference software.
- **Immersive training experience** - High-definition close-up and panorama of the training site are brought to the remote students, with automatic character tracking and automatic switch between close-up and panorama, which greatly improves the training effect compared with the traditional single teacher's profile picture.
- **Simple operation** - One click before training, complete all configuration operations within 30 seconds, improving ease of use.



New Sharing Solution Making Sharing More Easier

HCE-ClassIn

Item	Recommended Requirements
Operating System	Microsoft® Windows 7, Windows 10 (32-bit and 64-bit)
CPU	More than core 8

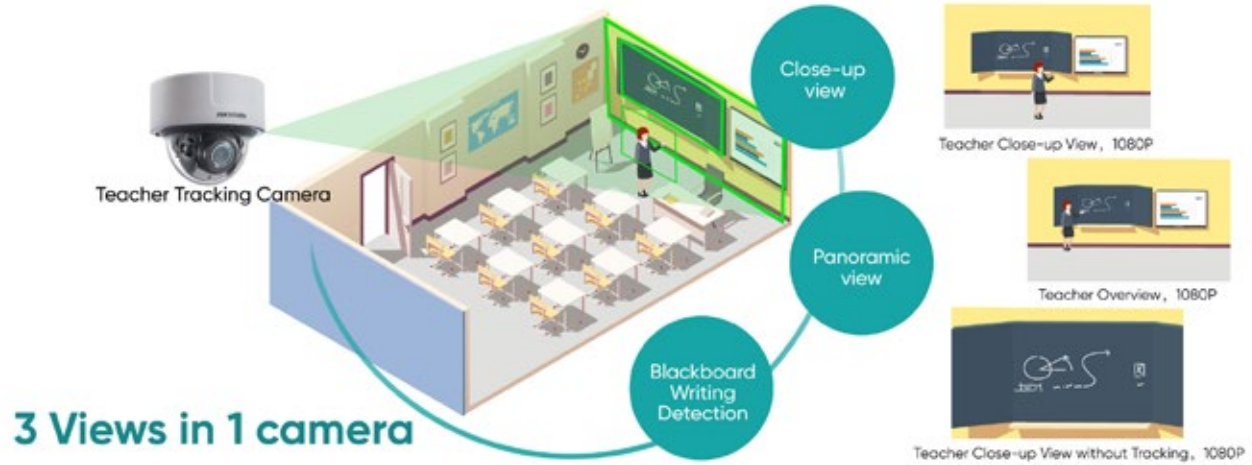
HikCentral Enterprise-ClassIn Maximum Performance		
	Items	Max Performance
ClassIn	Delay for video streaming access to ZOOM	Within 1 second
	CPU utilization	Between 30% and 40%
	Classroom	Around 200
	Resolutions	More than 640*480

HikCentral Enterprise-ClassLink

Synchronous Classroom Tool

Interactive teaching and learning among classrooms, creating opportunities for interaction between teachers and students at various locations simultaneously.

- **High Compatibility with Conference Software** - Compatible with Zoom, Webex, Teams, and Google Meet.
- **Compatible with a Wide Range of Devices** - Supports all Hikvision IP devices, including teacher-tracking cameras and other devices.
- **High Cost-Performance** - Competitive license cost.
- **Easy Operation** - Quick configuration within 30s. One-touch connection in the classroom. Supports video and audio sharing together.



HCE-ClassLNK

Item	Recommended Requirements
Operating System	Microsoft® Windows 10 (32-bit and 64-bit)
CPU	More than core 4, 2.11GHZ
Memory	More than 8 GB (Recommend)

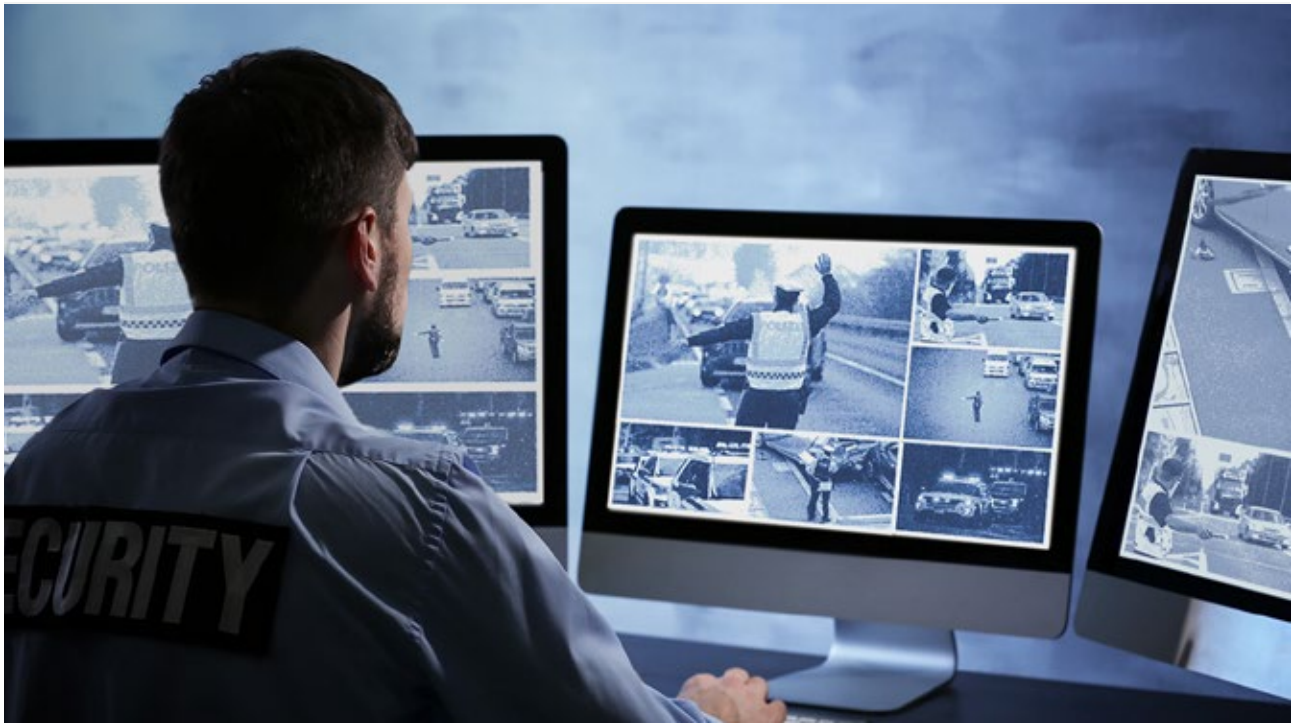
HikCentral Enterprise-ClassIn Maximum Performance		
Items		Max Performance
ClassIn	CPU usage	Software not in use: less than 2%; software in use: less than 10%
	Classrooms	200
	Interactive class	1 host and no more than 3 participants
	Resolutions	Min. resolution: 1920 × 1080 pixels

HikCentral Master-MobileEnforcement

Mobile Enforcement Application

Targeting users with administrative enforcement authority, including public security and traffic police, HikCentral Master-MobileEnforcement provides evidence management, enforcement event management, real-time command, and other functions.

- **Evidence Management** - Searching, previewing, downloading, marking, deleting, and archiving of evidence, as well as checking notes and downloading records by enforcement administrators.
- **Enforcement Event Management** - Creating events, linking evidence, and classifying events by enforcement administrators to improve work efficiency.
- **Personnel Management** - Tracking patrol routes, receiving SOS alarms, and checking alarm records by enforcement administrators.
- **Maintenance** - Viewing device status and remotely operating body-worn cameras (including start video recording, start audio recording, start image capturing, and refresh device status) by enforcement center managers.
- **Enforcement Statistics** - Displaying duty-attendance statistics, event trends, SOS alarm statistics, and event type statistics for enforcement center managers.
- **Command Center** - Achieving rapid and efficient interaction, real-time commands, live feed, and receiving SOS alarms by enforcement center managers, utilizing maps or resource trees.



HCM-MEF

Software	
System Architecture	Server / Web Client / PC Client / Mobile APP
OS for Server	CentOS 7.4 64 bit
OS for Client	Microsoft® Windows 7 (32/64 bit)
	Microsoft® Windows 10 (64 bit)
Browser	Internet Explorer 11 and above
	Chrome 63.0.3239.108 and above
Supported Language	2 languages: English, 简体中文 (Simplified Chinese) (Ukrainian),(Hebrew)

Hardware	
CPU	CPU: 2.1G, 8C/16T
Memory	64 GB
HDD	HDD: 1T SATA × 2, 3.5" Enterprise SATA 7.2k HDDs
NIC	1GbE * 4

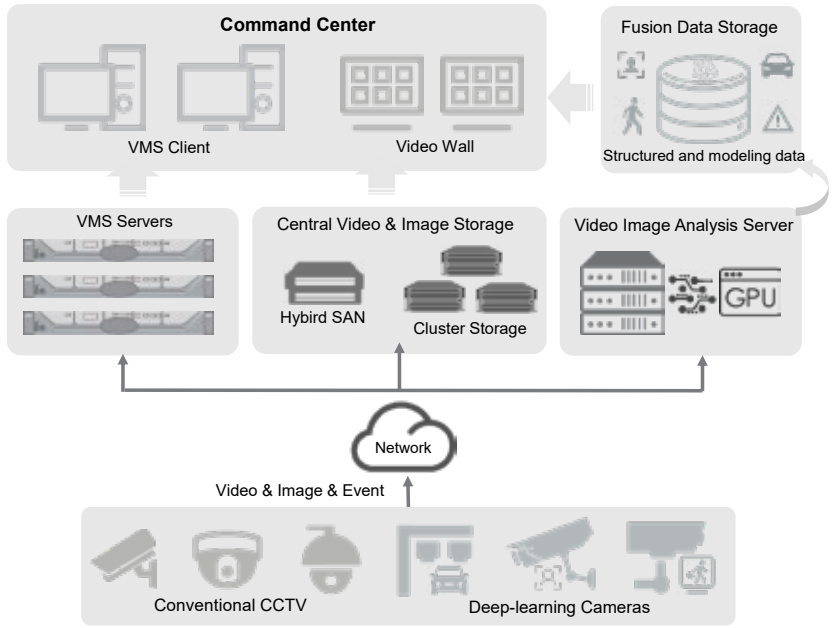
HikCentral Master-MobileEnforcement		
Items		Max Performance
Mobile Enforcement Application	Body Cameras	1000
	Dock Stations	150

HikCentral Master

Comprehensive Platform Solution with Unlimited Expandability

HikCentral Master is an application platform designed for immense, fail-safe distribution of devices and services across multiple locations. Integrating AI, AR, big data, and other capabilities under the AI-Cloud architecture, HikCentral Master supports a virtually unlimited number of devices, users, and sites to meet a diversity of needs for data storage, analysis, and application.

- **Intelligent Platform Management** – Supports non-stop installation, parameter configuration, server monitoring, and log analysis. Supports cluster management and authorization management.
- **Intelligent Applications** – Integrating multiple function and application software, the platform extends its applications from video security to those based on AI algorithms, such as ANPR and facial recognition. This makes the platform applicable to scenarios such as public security and intelligent transportation.
- **Intelligent Scheduling** – Supports dynamic scheduling of computer resources based on integrated management of computers. Supports accessing multiple types of storage devices and integrates their management. It's compatible with devices from multiple manufacturers and multiple algorithms versions
- **Open Platform** – Supports integration with third-party infrastructure, data, platforms, and applications based on open standards.
- **Comprehensive Security Mechanism** – Provides security mechanisms for devices, networks, host computers, data, and applications, and supports multiple security control schemes.
- **Extensibility and Scalability** – Supports expanding the service capacities such as the maximum number of added devices, streaming storage, events, and data libraries. Increases capacity and stability by distributed deployment.
- **Multiple Usage Scenarios** – Supports assembling various modules into bespoke platforms based on specific usage scenarios.



HCM

What HikCentral Master can do for you ?	
HikCentral Master focuses on data application, data collection, storage, processing, and intelligent applications. It provides data integration, storage and analysis of multidimensional data in the scenario of Edge Domain and Cloud Center, integrated with technologies of Artificial Intelligence and Internet-of-Things (IoT).	
Video Center	Through video inspection, electronic map, video analysis and other technologies, the system can realize video real-time viewing and query, and conduct video map applications and analysis.
Multidimensional Data Fusion	With the functions of fusion search, face search, vehicle search and human body search basing on big data technology, the system can conduct fast query and advanced search on people and vehicles, so as to help users quickly determine personnel and vehicle information.
Intelligent Data Applications	Through AI and big data technology, the system can realize various face tactical functions such as peer analysis, personnel landing, and frequent passing, as well as vehicle tactical functions such as trajectory search, regional collision, and vehicle landing analysis.
Alarm Arming	By target arming and alarm query function, the system can realize arming on the vehicles and people, and configure corresponding alarm rules and linkage rules.
Statistics Center	Through face data statistics, vehicle data statistics, human data statistics and other big data storage and analysis technologies, the system can graphically display the multi-dimensional data friendly.
Video Maintenance and Operation & Management Center	The video maintenance module can achieve intelligent real-time monitoring of the system video running status through cameras online status detection, video content diagnosis and video record inspection. The operation & management center, as an integrator of background services, provides integration capabilities for configuration, logging, and monitoring. It can integrate the component's own monitoring and configuration interface, and provides a single sign-on service for the operation management center.
AR Application	Through AR technology, various images, videos, 3D models, etc. are superimposed on the AR PanoVu camera's view in real time to realize functions such as video labeling, video planning, high-high linkage, high-low linkage, etc., providing a more intuitive and flexible central command and management way.
Mobile Enforcement Application	The application is targeted at users who have administrative law enforcement powers, including public security and traffic police. It provides evidence management, enforcement event management, real-time command and other functions.
Smart Tool	The Smart Tool is a tool collection which contains multiple sub-tools and provides different functions including video playing, video parsing, AI analysis, face detecting and matching, video editing, video converting, picture tagging and comparing, and so on. It is useful and helpful for entities such as police officers to locate a certain suspect whose criminal behavior has been recorded.

HikCentral iVisual-UIPower

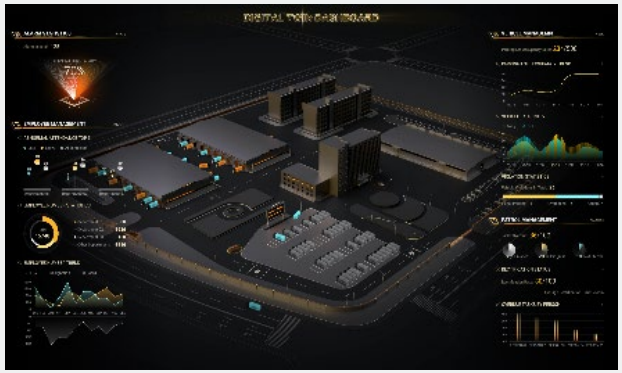
Data visualization fusion platform & InfoCom DataVisual B-visual

The data visualization platform provides rich and cool visualization themes and data visualization design services to help users quickly, efficiently and accurately achieve business data display and assist users in management and decision-making;It provides multi-dimensional data analysis and complex report services as well as multi-perspective and multi-dimensional data analysis capabilities, and provides fast data source configuration.
Data visualization fusion service is a new intelligent data visualization large screen configuration management platform, the platform focuses on the integration of multiple separate visual large screen through configuration, providing powerful configuration functions, including jump mode, rotation mode, composite mode, flexible combination mode. In addition, the platform also supports importing through bee-eye platform sharing, providing rich resources for users to configure.

- **Theme Management** - Theme square is for all the released theme effect to display, quick search, and theme hot ranking. My theme is mainly used to manage visual theme template, including theme grouping, theme creation, design, release, improve the efficiency of user visual theme design. The material library is mainly used to manage visual theme design related pictures, videos and other materials, supports to group, upload, replace, delete the material and so on, improve user operation efficiency.
- **Plug-in library** - For the chart and other plug-ins management of the visual theme design, users can according to their own needs to develop the corresponding chart and other plug-ins (such as: map, AR, VR, etc.), through the plug-in integration.
- **Data Source Management** - For operators, it provides data services for visual data display, including databases, REST interfaces, and CSV files.
- **Personal Center** - User personal information management.
- **Theme fusion** – Supports base large screen and fusion large screen. The base large screen is to display all theme effects published on the platform. Fusion large screen is to display the theme effect of the fusion of multiple basic large screens.

Traffic

Education



Industrial

HikCentral iVisual-UIPower

Software	
System Architecture	Server / Web Client / PC Client / Mobile APP
OS for Server	CentOS-7-x86_64-DVD-1810 / CentOS-7.4-hik-r4-patch1 / CentOS-7.6-hik-r5-patch3
Browser	Chrome 65.0.0.0 and above
Supported Language	2 languages: English, 简体中文 (Simplified Chinese) (Ukrainian),(Hebrew)

Hardware	
CPU	Core 6 and above
Memory	16G (Linux) 32G (Recommend)
HDD	sata 120G and above
NIC	Intel 1GbE and above

HikCentral Enterprise - Education Maximum Performance			
Items			Max Performance
Overseas data visualization fusion service	System Management	Single user login response time	<2s
		The response time to switch the function module	<2s
	Component resource package management	Number of built-in template view resource packs to import	3 个 (ocdvs\opdvs\tidashboard)
		Number of built-in template view resource packs running at the same time	1. Hce:2 (ocdvs\opdvs) 2. Hcm:1 (tidashboard)
	View management	Schema types	Hce/Hcm
		Maximum views	Unlimited
		View search	If a single user queries the data source, the return time ≤3seconds
		Maximum number of views supported in composite views	Unlimited
		The system supports a maximum number of bee-eye views	3
		View LOGO upload size limit	10M
b visual	System Management	Single user login response time	<2s
		The response time to switch the function module	<2s
	Data Source management	Data source query	If a single user queries the data source, the return time ≤3seconds
		Data source change sort	When a single user sorts data source changes, the return time≤3seconds
		Maximum number of data sources in the system	2W
		Maximum amount of data to be concurrently processed	200
	Plug-in management	Plug-in query	If a single user queries the plug-in, the return time≤3seconds
		Maximum number of storage plug-ins in the system	2W
	The theme square	Theme square Enquiry	If a single user queries a subject, the return time≤3seconds
		Maximum amount of data per chart when editing a theme	1000
		Data acquisition of single chart does not exceed	3s
		Maximum number of themes in the system	2000
		Maximum number of topic groups in the system	100
			2000

HikCentral-Workstation

A Cost-Effective Product with HikCentral Professional

HikCentral-Workstation is a cost-effective unit embedded with HikCentral Professional software and Windows operating system. Combining the HikCentral Professional server and client, it creates efficient management of the live feed, playback, facial recognition, ANPR, access control, video intercom, alarm management, and more. It is used widely in small- to medium-sized projects and Hikvision's "solutions by scenario."

HikCentral-Workstation

Model		HikCentral-Workstation/32-I3	HikCentral-Workstation/64-I3	HikCentral-Workstation/64-I5	HikCentral-Workstation/128-I5
Image		NEW	NEW	NEW	NEW
Devices and Resources	Cameras *Including ANPR Cameras and Cameras with Face Capture Function	32	64	64	128
	Managed Device IP Addresses *Including Encoding Devices, Access Control Devices, Security Control Devices, and Remote Sites	128	256	256	256
	Video Intercom Devices *Including Indoor Station	8	8	16	16
	Alarm Inputs (Including Zones of Security Control Devices)	32	32	32	32
	Alarm Outputs	32	32	32	32
	Alarm Inputs of Security Control Devices	32	32	32	32
	ANPR Cameras	4	4	8	8
	Cameras with Face Capture Function	2	2	4	4
	Security Radars	2	2	2	2
	Areas	64	64	128	128
	Cameras per Area	32	32	64	64
	Alarm Inputs per Area	16	16	32	32
	Alarm Outputs per Area	16	16	32	32
Recording	Recording Schedule	64	64	128	128
	Recording Schedule Template	32	32	32	32
	Event and Alarm Rules	128	128	128	128
Event & Alarm	Storage of Events or Alarms without Pictures	5/s	5/s	10/s	10/s
	Events or Alarms Sent to Clients *The clients include Control Clients and Mobile Clients.	5/s 8 Clients/s	5/s 8 Clients/s	10/s 16 Clients/s	10/s 16 Clients/s
	Notification Schedule Templates	100	100	100	100
Picture	Picture Storage *Including event/alarm pictures, face pictures, and vehicle pictures.	5/s	5/s	10/s	10/s
Reports	Regular Report Rules	64	64	64	64
	Event or Alarm Rules in One Event/Alarm Report Rule	32	32	32	32
	Records in One Sent Report	10,000 or 10 MB	10,000 or 10 MB	10,000 or 10 MB	10,000 or 10 MB
	Resources Selected in One Report *With this limitation, you can generate a neat and clear report via the Control Client and it costs less time.	20	20	20	20
Data Storage	Data Retention Period	Stored for 6 Months	Stored for 6 Months	Stored for 6 Months	Stored for 6 Months
Users and Roles	Concurrent Accesses via Web Clients and Control Clients	8	8	16	16
	Concurrent Accesses via Mobile Clients	8	8	16	16
	Users	8	8	32	32
	Roles	8	8	32	32
Vehicle (ANPR)	Vehicle Lists	50	50	50	50
	Vehicles per Vehicle List	500	500	500	500
	Lanes	4	4	4	4
Entrance & Exit	Cards Linked with Vehicles	2,500	2,500	2,500	2,500
	Vehicle Passing Frequency in Each Lane	1 Vehicle/s	1 Vehicle/s	1 Vehicle/s	1 Vehicle/s
Face Comparison	Persons with Profiles for Face Comparison	10,000	10,000	10,000	10,000
	Face Comparison Groups	16	16	16	16
	Persons in One Face Comparison Group	1,000	1,000	1,000	1,000
Access Control	Persons with Credentials for Access Control	3,000	3,000	5,000	5,000
	Total Credentials (Card + Fingerprint)	15,000	15,000	25,000	25,000
	Cards	15,000	15,000	25,000	25,000
	Fingerprints	12,000	12,000	20,000	20,000
	Profiles	3,000	3,000	5,000	5,000
	Access Points (Doors+Outdoor Station)	8	8	16	16
	Access Levels	16	16	32	32
	Access Schedules	32	32	32	32

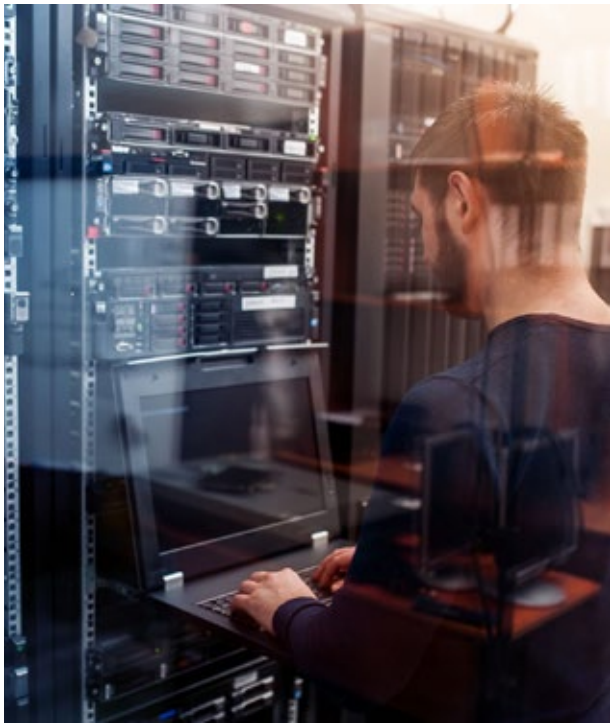
Decoding Performance of Control Client			
HikCentral-Workstation/32-I3			
Resolution	**Video Encoding Type**	**Maximum Hardware Decoding Channels**	**Maximum Software Decoding Channels**
4CIF (704*576)	H.264	40	44
	H.265	64	40
1920 × 1080	H.264	6	5
	H.265	6	4
2560 × 1440	H.264	3	2
	H.265	3	2
3840 × 2160	H.264	1	1
	H.265	1	1
2560 × 2560 (Fisheye Camera)	H.264	2	2
	H.265	2	2
4000 × 4000 (Fisheye Camera)	H.264	1	1
	H.265	2	1
HikCentral-Workstation/64-I3			
Resolution	Video Encoding Type	Maximum Hardware Decoding Channels	Maximum Software Decoding Channels
4CIF (704*576)	H.264	40	44
	H.265	64	40
1920 × 1080	H.264	6	5
	H.265	6	4
2560 × 1440	H.264	3	2
	H.265	3	2
3840 × 2160	H.264	1	1
	H.265	1	1
2560 × 2560 (Fisheye Camera)	H.264	2	2
	H.265	2	2
4000 × 4000 (Fisheye Camera)	H.264	1	1
	H.265	2	1
HikCentral-Workstation/64-I5			
Resolution	Video Encoding Type	Maximum Hardware Decoding Channels	Maximum Software Decoding Channels
4CIF (704*576)	H.264	44	52
	H.265	64	44
1920 × 1080	H.264	8	8
	H.265	9	6
2560 × 1440	H.264	5	4
	H.265	5	3
3840 × 2160	H.264	2	2
	H.265	2	1
2560 × 2560 (Fisheye Camera)	H.264	4	3
	H.265	4	3
4000 × 4000 (Fisheye Camera)	H.264	2	1
	H.265	2	1
HikCentral-Workstation/128-I5			
Resolution	Video Encoding Type	Maximum Hardware Decoding Channels	Maximum Software Decoding Channels
4CIF (704*576)	H.264	44	52
	H.265	64	44
1920 × 1080	H.264	8	8
	H.265	9	6
2560 × 1440	H.264	5	4
	H.265	5	3
3840 × 2160	H.264	2	2
	H.265	2	1
2560 × 2560 (Fisheye Camera)	H.264	4	3
	H.265	4	3
4000 × 4000 (Fisheye Camera)	H.264	2	1
	H.265	2	1

Hardware Specification				
Model	**HikCentral-Workstation/32-I3**	**HikCentral-Workstation/64-I3**	**HikCentral-Workstation/64-I5**	**HikCentral-Workstation/128-I5**
Processor	Intel® Core™ i3-8100 (4Cores/6MB/4T/ 3.6GHz/65W);	Intel® Core™ i3-8100 (4Cores/6MB/4T/ 3.6GHz/65W)	Intel® Core™ i5-8500 (6Cores/9MB/6T/ Up to 4.1GHz/65W)	Intel® Core™ i5-8500 (6Cores/9MB/6T/ Up to 4.1GHz/65W)
Operating Systems	Microsoft® Windows 10 IoT Ent (64-bit)	Microsoft® Windows 10 IoT Ent (64-bit)	Microsoft® Windows 10 IoT Ent (64-bit)	Microsoft® Windows 10 IoT Ent (64-bit)
Memory	2 × 4GB 2666MHz DDR4 UDIMM	2 × 4GB 2666MHz DDR4 UDIMM	2 × 4GB 2666MHz DDR4 UDIMM	2 × 4GB 2666MHz DDR4 UDIMM
Graphics Card	Integrated Intel® HD Graphics 630	Integrated Intel® HD Graphics 630	Integrated Intel® HD Graphics 630	Integrated Intel® HD Graphics 630
Storage	M.2 256GB SATA Class 20 solid state drive	M.2 256GB SATA Class 20 solid state drive	M.2 256GB SATA Class 20 solid state drive	M.2 256GB SATA Class 20 solid state drive
NIC	Integrated Intel I219-LM Ethernet LAN 10/100/1000	Integrated Intel I219-LM Ethernet LAN 10/100/1000	Integrated Intel I219-LM Ethernet LAN 10/100/1000	Integrated Intel I219-LM Ethernet LAN 10/100/1000
I/O Ports	10 External USB: 1 × USB Type-C 3.1 Gen 2, 5 × 3.1 Gen 1 Type-A (1 Front, 4 Rear), 4 × USB 2.0, 1 × RJ-45, 2 × Displayport, 1 × Serial, 2 × PS/2	10 External USB: 1 × USB Type-C 3.1 Gen 2, 5 × 3.1 Gen 1 Type-A (1 Front, 4 Rear), 4 × USB 2.0, 1 × RJ-45, 2 × Displayport, 1 × Serial, 2 × PS/2	10 External USB: 1 × USB Type-C 3.1 Gen 2, 5 × 3.1 Gen 1 Type-A (1 Front, 4 Rear), 4 × USB 2.0, 1 × RJ-45, 2 × Displayport, 1 × Serial, 2 × PS/2	10 External USB: 1 × USB Type-C 3.1 Gen 2, 5 × 3.1 Gen 1 Type-A (1 Front, 4 Rear), 4 × USB 2.0, 1 × RJ-45, 2 × Displayport, 1 × Serial, 2 × PS/2
Form Factor	Small Form Factor	Small Form Factor	Small Form Factor	Small Form Factor
Power Supply	300W typical 90% Efficient PSU (80 PLUS Bronze)	300W typical 90% Efficient PSU (80 PLUS Bronze)	300W typical 90% Efficient PSU (80 PLUS Bronze)	300W typical 90% Efficient PSU (80 PLUS Bronze)
Dimensions (H × W × D)	29cm × 9.26cm × 29.2cm	29cm × 9.26cm × 29.2cm	29cm × 9.26cm × 29.2cm	29cm × 9.26cm × 29.2cm
	(11.42" × 3.7" × 11.5")	(11.42" × 3.7" × 11.5")	(11.42" × 3.7" × 11.5")	(11.42" × 3.7" × 11.5")
Weight	7.57lbs / 5.26kg	7.57lbs / 5.26kg	7.57lbs / 5.26kg	7.57lbs / 5.26kg
Certification	CE, FCC, UL	CE, FCC, UL	CE, FCC, UL	CE, FCC, UL
Warranty	36 Months	36 Months	36 Months	36 Months

HikCentral-Storage

A flexible, reliable, and powerful product with HikCentral Professional

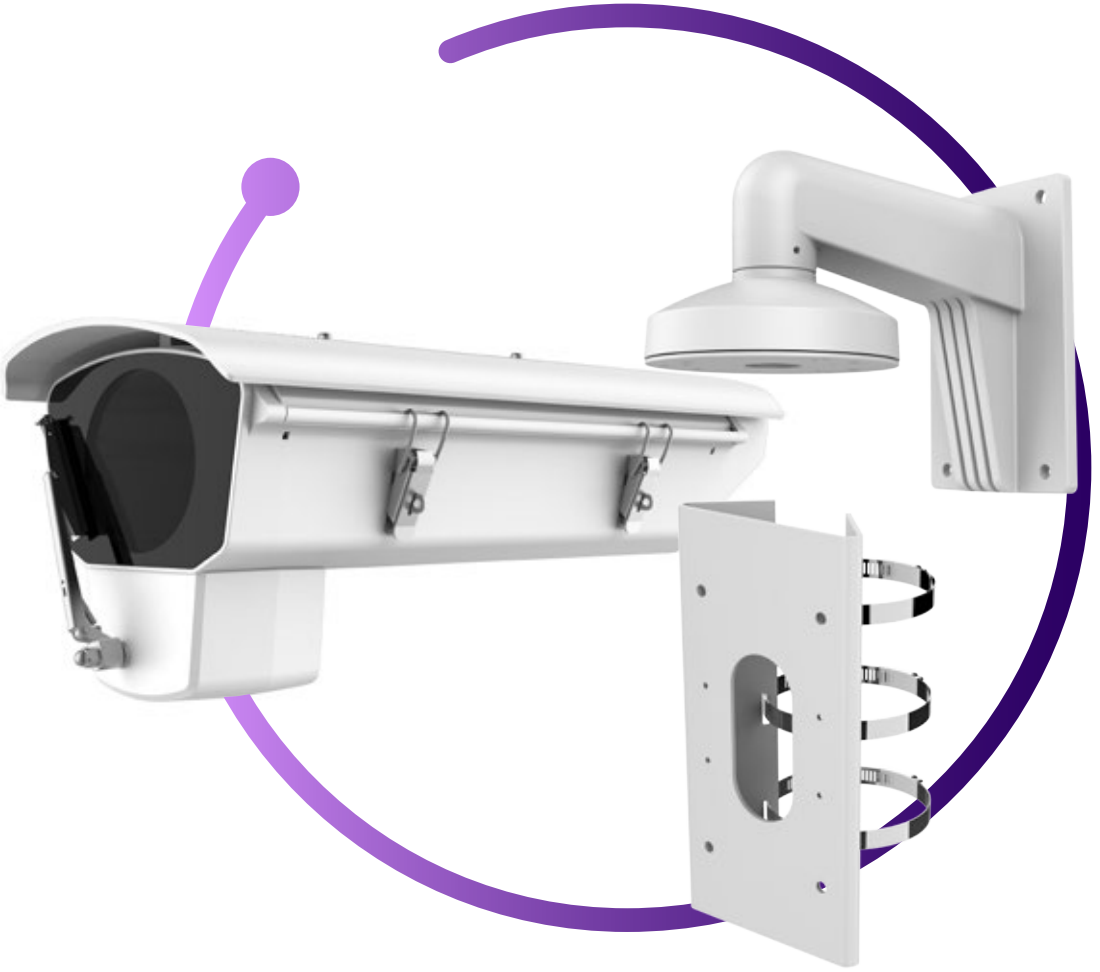
- Linux operating system and HikCentral Professional pre-installed
- Integration of central management and storage, information sharing, convenient connection and multi-service cooperation
- Capable of adding devices for management, live view, storage and playback of video files, alarm linkage, access control, and so on.



Model	HikCentral-Storage/256/16H
Image	NEW
Hardware Specification	
Operating System	Embedded Linux
Main Processor	Quad-Core Intel® Xeon® Processor E3 V5 Series
Memory	16GB DDR4. ECC parity. Extendable up to 64 GB
System Bandwidth	Multi-address/net fault-tolerance mode: 768 Mbps; Load balancing mode: 1,000 Mbps
Number of Storage Channels	256
HDMI 1 Output	1024 × 768/60 Hz
HDMI 2 Output	1024 × 768/60 Hz
VGA Output	1024 × 768/60 Hz
Video Output Mode	HDMI1/HDMI2/VGA simultaneous output
Audio Output	1-ch, RCA (Linear, 1 KΩ)
Audio Input	1-ch, RCA (2.0 Vp-p, 1 KΩ)
Network Mode	Net fault-tolerance, load balance, multi-address
Network Interface	4 × RJ45 10M/100M/1000M self-adaptive Ethernet interface
RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10, RAID50, RAID60, JBOD
SSD	Industrial-level SSD with 128 GB capacity
SATA	16 SATA interfaces supporting hot-swapping (except the HDD at the first slot which contains the system disk)
eSATA	1 eSATA interface
Capacity	Up to 10 TB capacity for each disk
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0
Alarm In/Out	16/8
Extension Board	The extension board is optional to support. It has four 10M/100M/1000M optical interfaces (1.25 Gbps SFP module), eight RS-485 interfaces, 32 alarm inputs, and 16 alarm outputs.
Power Parameter	100 to 240 VAC, 50 to 60 Hz, redundant power supply
Consumption	≤ 140 W (without HDD)
Working Temperature	0 °C to 50 °C (32 °F to 122 °F);
Working Humidity	10% to 90% RH (no freezing and no condensation)
Chassis	3U
Dimension (W × D × H)	446 × 495 × 133 mm (17.6 × 19.5 × 5.2 inch)
Weight	≤ 17 kg (37.5 lb.)

Software Specification		
Features		**Maximum Performance**
Devices and Servers	Cameras	256
	Video Intercom Devices	64
	Alarm Inputs	64
	Alarm Outputs	64
	ANPR Cameras	32
	Facial Recognition Cameras	16
	Security Radars and Radar PTZ Cameras	16
	Recording Server	16
	People Counting Cameras	16
	Heat Map Cameras	16
	Thermal Cameras	16
	Queue Management Cameras	16
Recording	Recording Schedule	64
	Recording Schedule Template	32
	Event and Alarm Rules	1,500
Event & Alarm	Storage of Events or Alarms without Pictures	100/s
	Events or Alarms Sent to Clients	15/s, 32 Clients/s
Storage	Picture Storage *Including event/alarm pictures, face pictures, and vehicle pictures.	20/s
	Data Retention Period	Stored for 3 Years
Users and Roles	Concurrent Accesses via Web Clients, Control Clients, and OpenAPI Clients	32
	Concurrent Accesses via Mobile Clients and OpenAPI Clients	32
	Users	256
	Roles	32
Entrance & Exit	Vehicle Lists	100
	Vehicles per Vehicle List	5,000
	Lanes	8
	Vehicle Passing Frequency in Each Lane	1 Vehicle/s
Face Comparison	Persons with Profiles for Face Comparison	10,000
	Face Comparison Groups	16
	Persons in One Face Comparison Group	1,000
	Access Control	10,000
	Total Credentials (Card + Fingerprint)	50,000
	Cards	50,000
	Fingerprints	40,000
	Profile Pictures	10,000
	Access Points (Doors + Outdoor Station)	128
Time and Attendance	Access Levels	256
	Persons for Time and Attendance	10,000
	Shift Schedules	128
	Major Leave Types	64
	Minor Leave Types of One Major Type	128
Smart Wall	Decoding Devices	32
	Smart Walls	32
	Views Auto-Switched Simultaneously	32

Accessories



Recommended brackets for Hikvision IP camera							
		Indoor			Indoor housing		Outdoor housing
	DS-2CD4C26FWD-(A)(P) DS-2CD4C36FWD-(A)(P) DS-2CD4026FWD-A/P						
		DS-1299ZJ	DS-1292ZJ	DS-1332HZ	DS-1330HZ	DS-1331HZ series	DS-1340HZ
	DS-2CD3823G0	Pendant mount	Wall mount	Indoor housing	Indoor housing	Outdoor housing	Outdoor housing
	DS-2CD5026G0-(AP) DS-2CD5046G0-(AP) DS-2CD5065G0-(AP) DS-2CD5085G0-(AP) DS-2CD50C5G0-(AP) DS-2CD7026G0(/P)-(AP) DS-2CD7046G0-(AP) DS-2CD7085G0-(AP)	Hik white Aluminum alloy 77 × 77 × 198 mm 165 g	Hik white Aluminum alloy 70 x 97.1 x 217.9 mm 201 g	Hik white Aluminum alloy 288 × 149 × 100 mm 800 g	Hik white Complex fiber 290 × 142 × 92 mm 640 g	Hik white Aluminum alloy	Three-axis adjustment Containing combined wires and fan IK10

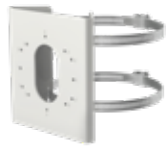
Recommended brackets for Hikvision IP camera					
	DS-2CD5028G0/E-HI				
		DS-1293ZJ-P	DS-1269ZJ-P	DS-1214ZJ-TP	DS-1233ZJ-P
		Wall mount	Pendant mount	Horizontal pole mount	Column mount
		Platinum gray Aluminum alloy 88 × 116.6 × 297.3 mm 473 g	Platinum gray Aluminum alloy 493 x 246 x 88 mm 480 g	Platinum gray Steel (mounting board) & Stainless Steel (clamp)	Platinum gray Steel Φ160 x 1093 mm 6200 g
		DS-1232ZJ-P	DS-1232ZJ-TP	DS-1275ZJ-P-SUS	DS-1275ZJ-SUS
		Cardan joint	Cardan joint	Vertical pole mount	Vertical pole mount
		Platinum gray Steel 126 x 103.5 x 83 mm 790 g	Platinum gray Steel 96 x 95 x 92.5 mm	Platinum gray Stainless steel 127 × 46 × 250 mm Match up with wall mount (DS-1293ZJ-XX)	Hikvision white Stainless steel 127 mm × 46 mm × 250 mm (5" × 1.81" × 9.84") 1480 g (3.26 lb.) Match up with wall mount(DS-1293ZJ-XX(B))

Recommended brackets for Hikvision IP camera					
	DS-2CD5026G0/E-I(H) DS-2CD7026G0/EP-I(H)				
		DS-1293ZJ	DS-1214ZJ	DS-1275ZJ-SUS	DS-1269ZJ
		Wall mount	Horizontal pole mount	Vertical pole mount	Pendant mount
		Hik white Aluminum alloy 88 × 116.6 × 297.3mm 473 g	Hik white Steel (mounting board) & Stainless steel (clamp) 117 × 226 × 194 mm Diameter of clamp: Φ67-127 mm 1895 g	Hikvision white Stainless steel 127 mm × 46 mm × 250 mm (5" × 1.81" × 9.84") 1480 g (3.26 lb.) Match up with wall mount (DS-1293ZJ,DS-2202ZJ)	Hik white Aluminum alloy 493 x 246 x 88 mm 480 g
		DS-1233ZJ	DS-1276ZJ-SUS	DS-1674ZJ	DS-2202ZJ
		Column mount	Corner mount	Junction box	Wall mount
		Hik white Steel Φ160 x 1093 mm 6200 g	Hik white Stainless steel 126 × 105 × 250 mm 2280 g Match up with wall mount (DS-1293ZJ,DS-2202ZJ)	Hikvision white Aluminum alloy 310 mm × 208.9 mm × 89 mm (12.20" × 8.22" × 3.50") 2380 g (5.25 lb.)	Hikvision white Aluminum alloy ADC12 300.7 mm × 250.2 mm × 107.9 mm (9.85" × 9.85" × 4.25") 1250 g (2.76 lb.)

Recommended brackets for Hikvision IP camera							
	DS-2CD6026FWD/E-(H) DS-2CD6233F/E-(H)(IR5)(IRA) DS-2CD4035FWDE -(H)(IR5)(IRA)(HIR5)(HIRA) DS-2CD4065FE -(H)(IR5)(IRA)(HIR5)(HIRA) DS-2CD4085FE -(H)(IR5)(IRA)(HIR5)(HIRA) DS-2CD4026FWDE -(H)(IR5)(IRA) DS-2CD4026FWD/P-L DS-2CD4026FWD/P -(IR5)(IRA)(INRA)(HIRA)(B)	DS-1293ZJ	DS-1214ZJ	DS-1275ZJ-SUS	DS-1269ZJ	DS-1233ZJ	DS-1276ZJ-SUS
		Wall mount	Horizontal pole mount	Vertical pole mount	Pendant mount	Column mount	Corner mount
		Hik white Aluminum alloy 88 × 116.6 × 297.3 mm 473 g	Hik white Steel(mounting board) & Stainless steel (clamp) 117 × 226 × 194 mm Diameter of clamp: Φ67-127mm 1895 g	Hikvision white Stainless steel 127 mm × 46 mm × 250 mm (5" × 1.81" × 9.84") 1480 g (3.26 lb.) Match up with wall mount (DS-1293ZJ-XX(B))	Hik white Aluminum alloy 493 x 246 x 88 mm 480 g	Hik white Steel Φ160 x 1093 mm 6200 g	Hik white Stainless steel 126 × 105 × 250 mm 2280 g Match up with wall mount (DS-1293ZJ-XX)

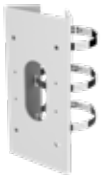
Recommended brackets for Hikvision IP camera			
	DS -2CD6412FWD -10/11/20/21/30/31		
		DS-1290ZJ-BL	DS-1291ZJ-BL
		Clamp bracket	Desktop/Pendant mount
	DS -2CD6424FWD -10/20/30/40(E1/E2)	Black Plastic 90 x 70 x 22 mm	Black Plastic 87 x 73 x 73 mm

Recommended brackets for Hikvision IP camera		
	DS-2CD3063G0-I DS-2CD3043G0-I DS-2CD3023G0-I	
		DS-1280ZJ-XS
	DS-2CD3063G0-I DS-2CD3043G0-I DS-2CD3023G0-I	Junction box
	DS-2CD3021G0-I(U) DS-2CD3041G0-I	Hik white Aluminum alloy Φ100 x 43.2 x 129 mm 320 g

Recommended brackets for Hikvision IP camera					
		Indoor/Outdoor			Outdoor
	DS-2CD4A26FWD-(IZ'P)(IZS'P) (IZHS'P)(LZS'P) DS-2CD4A45G0-IZ(H)S DS-2CD4B45G0-IZS DS-2CD4B25G0-IZS DS-2CD4B36FWD-I(Z)S DS-2CD4B26FWD-IZS				
		DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1275ZJ-S-SUS	Rubber sleeve
		Vertical pole mount	Corner mount	Vertical pole mount	Rubber sleeve with weather proof
		Hikvision white Stainless steel 127 mm × 46 mm × 250 mm (5" × 1.81" × 9.84") 1480 g (3.26 lb.)	Hik white Stainless steel 126 × 105 × 250 mm 2280 g	Hik white Stainless steel 144 mm × 131.6 mm × 44.3 mm (5.67" × 5.18" × 1.74") 760 g (1.68 lb.)	Hik white rubber

Recommended brackets for Hikvision IP camera					
	DS-2CD3663G0-IZS DS-2CD3643G0-IZS DS-2CD3623G0-IZS DS-2CD3685G0-IZS DS-2CD3665G0-IZS DS-2CD3645G0-IZS DS-2CD3625G0-IZS				
		DS-1475ZJ-SUS	DS-1476ZJ-SUS	DS-1275ZJ-S-SUS	DS-2251ZJ
	DS-2CD3683G1-IZ(S) DS-2CD3663G1-IZ(S) DS-2CD3643G1-IZ(S) DS-2CD3623G1-IZ(S) DS-2CD3685G1-IZ(S) DS-2CD3665G1-IZ(S) DS-2CD3645G1-IZ(S) DS-2CD3625G1-IZ(S)				
		Vertical pole mount	Corner mount	Vertical pole mount	Column mount
	DS-2CD5A26G0-IZ(H)S DS-2CD5A46G0-IZ(H)S DS-2CD5A65G0-IZ(H)S DS-2CD5A85G0-IZ(H)S DS-2CD5AC5G0-IZ(H)S DS-2CD7A26G0(/P)-IZ(H)S DS-2CD7A46G0(/P)-IZ(H)S DS-2CD7A85G0-IZ(H)S DS-2CD5A26G1-IZ(H)S DS-2CD5A46G0-IZ/UH DS-2CD5A46G1-IZ(H)S DS-2CD5A85G1-IZ(H)S				
		Hik white Stainless steel 250 mm × 127 mm × 46 mm Diameter of clamp: Φ67-127 mm 1205 g	Hik white Stainless steel 126 × 105 × 250 mm 2280 g	Hik white Stainless steel 144 mm × 131.6 mm × 44.3 mm (5.67" × 5.18" × 1.74") 760 g (1.68 lb.)	Hikvision white Alloy Φ 250 mm × 1570.08 mm (Φ 9.84" × 61.81") Approx. 3308 g (7.29 lb.)
	DS-2CD7A26G0/P-LZ(H)S				

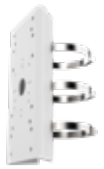
Recommended brackets for Hikvision IP camera

	DS-2CD5A26G0-IZ(H)SY DS-2CD5A46G0-IZ(H)SY DS-2CD7A26G0-IZ(H)SY DS-2CD7A46G0-IZ(H)SY		
		DS-1475ZJ-Y	DS-1476ZJ-Y
		Vertical pole mount	Corner mount
		Hik white Stainless steel 250 mm × 127 mm × 46 mm Diameter of clamp: Φ67-127 mm 1205 g	Hik white Stainless steel 126 X 105 X 250 mm 2280 g

Recommended brackets for Hikvision IP camera

	DS-2CD4626FWD-IZ(H)(S)/P	
		DS-1275ZJ-4626
		Vertical pole mount
	iDS-2CD8626G0/P-IZS(Y)	Hik white Steel (mounting board) & Stainless steel (clamp) 127 × 46 × 250 mm 1235 g

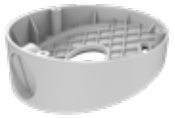
Recommended brackets for Hikvision IP camera

	DS-2CD3T63G0-2I/4I(S) DS-2CD3T43G0-2I/4I(S) DS-2CD3T23G0-2I/4I(S)			
		DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1275ZJ-S-SUS
	DS-2CD3T85G0-4IS (B) DS-2CD3T65G0-4IS (B) DS-2CD3T45G0-4IS (B) DS-2CD3T25G0-4IS (B)	Vertical pole mount	Corner mount	Vertical pole mount
		Hikvision white Stainless steel 127 mm × 46 mm × 250 mm (5" × 1.81" × 9.84") 1480 g (3.26 lb.)	Hik white Stainless steel 126 × 105 × 250 mm 2280 g	Hik white Stainless steel 144 mm × 131.6 mm × 44.3 mm (5.67" × 5.18" × 1.74") 760 g (1.68 lb.)

Recommended brackets for Hikvision IP camera								
	DS-2CD7126G0-IZS DS-2CD7126G0/L-IZS DS-2CD7146G0-IZS DS-2CD7185G0-IZS DS-2CD5126G0-IZS DS-2CD5146G0-IZS DS-2CD5165G0-IZS DS-2CD5185G0-IZS DS-2CD51C5G0-IZS							
		DS-1271ZJ-130	DS-1273ZJ-130	DS-1273ZJ-130B	DS-1227ZJ	DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1281ZJ-DM23
		Pendant mount	Wall mount	Wall mount	In-ceiling mount	Vertical pole mount	Corner mount	Inclined ceiling mount
		Hik white Aluminum alloy Φ150 × 565 mm 1900 g	Hik white Aluminum alloy 132 × 183.5 × 228.5 mm 690 g	Hik white Aluminum alloy with junction box 132 × 243 × 288.5 mm 1475 g	Hik white Aluminum alloy & ABS Plastic Φ210 × 90 mm 540 g	Hikvision white Stainless steel 127 mm × 46 mm × 250 mm (5" × 1.81" × 9.84") 1480 g (3.26 lb.) Match up with wall mount (DS-1273ZJ-XX(B))	Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount (DS-1273ZJ-XX(B))	Hik white Aluminum alloy Φ136 × 48 mm 245 g

Recommended brackets for Hikvision IP camera							
	DS-2CD3545G0-IS DS-2CD3525G0-IS						
		DS-1272ZJ-120	DS-1271ZJ-120	DS-1276ZJ-SUS	DS-1280ZJ-DM46	DS-1275ZJ-SUS	DS-1272ZJ-120B
		Wall mount	Pendant mount	Corner mount	Junction box	Vertical pole mount	Wall mount
		Hik white Aluminum alloy 120 × 122 × 173.5 mm 430 g	Hik white Aluminum alloy Φ150 × 573 mm 1900 g	Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount (DS-1272ZJ-XX(B))	Hik white Alminum aloy Ø 120 mm × 37.2 mm (Ø 4.72" × 1.46") 250 g	Hikvision white Stainless steel 127 mm × 46 mm × 250 mm (5" × 1.81" × 9.84") 1480 g (3.26 lb.) Match up with wall mount (DS-1272ZJ-XX(B))	Hik white Aluminum alloy with junction box 123 × 180 × 223 mm 1225 g

Recommended brackets for Hikvision IP camera

						
		DS-1259ZJ	DS-1271ZJ-110	DS-1272ZJ-110	DS-1272ZJ-110B	DS-1276ZJ-SUS
	DS-2CD3163G0-I(S) DS-2CD3143G0-I(S) DS-2CD3123G0-I(S) DS-2CD3185G0-IS DS-2CD3145G0-IS DS-2CD3125G0-IS	Inclined ceiling mount	Pendant mount	Wall mount	Wall mount	Corner mount
		Hik white ABS plastic Φ111 × 39.2 mm 200 g	Hik white Aluminum alloy Φ150 × 560 mm 1900 g	Hik white Aluminum alloy 120 × 122 × 169 mm 420 g	Hik white Aluminum alloy with junction box 123 × 180 × 227.8 mm 1205 g	Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount (DS-1272ZJ-XX(B))
	DS-2CD3121G0-I					
		DS-1280ZJ-DM18	DS-1258ZJ	DS-1250ZJ	DS-1275ZJ-SUS	
	DS-2CD3141G0-I	Junction box	Wall mount	Rain shade	Vertical pole mount	
		Hik white Aluminum alloy Φ115.4 × 43.8 mm 450 g	Hik white ABS plastic 120 × 111 × 161.5 mm 200 g	Hik white Composite Fibre 264.7 × 152 × 189.6 mm 199 g	Hik white Stainless steel 127 mm × 46 mm × 250 mm (5" × 1.81" × 9.84") 1480 g (3.26 lb.) Match up with wall mount (DS-1272ZJ-XX(B))	

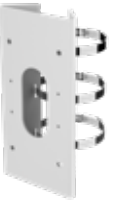
Recommended brackets for Hikvision IP camera						
	DS-2CD3185G0-IMS DS-2CD3125G0-IMS					
		DS-1272ZJ-120-TR15	DS-1272ZJ-120B	DS-1271ZJ-120	DS-1276ZJ-SUS	DS-1275ZJ-SUS
		Wall mount	Wall mount	Pendant mount	Corner mount	Vertical pole mount
		Hikvision White Aluminium Alloy 120 mm × 122 mm × 173 mm (4.72" × 4.80" × 6.81") Approx. 460 g (1.01 lb.)	Hik white Aluminum alloy with junction box 123 × 180 × 223 mm 1225 g	Hik white Aluminum alloy Φ150 × 573 mm 1900 g	Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount (DS-1272ZJ-XX(B))	Hikvision white Stainless steel 127 mm × 46 mm × 250 mm (5" × 1.81" × 9.84") 1480 g (3.26 lb.) Match up with wall mount (DS-1272ZJ-XX(B))

Recommended brackets for Hikvision IP camera							
	DS-2CD3765G1-IZ(S) DS-2CD3745G1-IZ(S) DS-2CD3725G1-IZ(S) DS-2CD3783G1-IZ(S) DS-2CD3763G1-IZ(S) DS-2CD3743G1-IZ(S) DS-2CD3723G1-IZ(S)						
		DS-1471ZJ-155	DS-1473ZJ-155	DS-1475ZJ-SUS	DS-1473ZJ-155B	DS-1476ZJ-SUS	DS-1227ZJ-DM37
		Pendant mount	Wall mount	Vertical pole mount	Wall mount	Corner mount	In-ceiling mount
		Hik white Aluminum alloy Φ155 × 150 × 565 mm	Hik white Aluminum alloy 155 × 183.5 × 240 mm	Hik white Stainless steel 250 mm × 127 mm × 46 mm Diameter of clamp: Φ67-127 mm 1205 g Match up with wall mount (DS-1473Z-XX(B))	Hik white Aluminum alloy 243 × 123 × 300 mm 1750 g (3.86 lb.)	Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount (DS-1473ZJ-XX(B))	Hik white Steel and Plastic Ø 225 mm × 98.2 mm (8.86" × 3.87") 700 g (1.54 lb.)

		Recommended brackets for Hikvision IP camera						
		DS-1471ZJ-155	DS-1473ZJ-155	DS-1475ZJ-SUS	DS-1280ZJ-DM55	DS-1473ZJ-155B	DS-1476ZJ-SUS	DS-1227ZJ-DM44
	DS-2CD3785G1-IZ(S) DS-2CD3765G1-IZ(S) DS-2CD3745G1-IZ(S) DS-2CD3725G1-IZ(S) DS-2CD3783G1-IZ(S) DS-2CD3763G1-IZ(S) DS-2CD3743G1-IZ(S) DS-2CD3723G1-IZ(S)	Pendant mount	Wall mount	Vertical pole mount	Junction box	Wall mount	Corner mount	In-ceiling mount
		Hik white Aluminum alloy Φ155 × 150 × 565 mm	Hik white Aluminum alloy 155 × 183.5 × 240 m	Hik white Stainless steel 250 mm × 127 mm × 46 mm Diameter of clamp: Φ67-127 mm 1205 g Match up with wall mount (DS-1473Z-XX(B))	Hikvision white Aluminum alloy Φ 155 mm × 36 mm (Φ 6.1" × 1.42") 300 g (0.66 lb.)	Hik white Aluminum alloy 243 × 123 × 300 mm 1750 g (3.86 lb.)	Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount (DS-1473ZJ-XX(B))	Hikvision white SECC, PC&ABS Φ 256.1 mm × 75.9 mm (Φ 10.08" × 2.99") Approx. 608.5 g (1.34 lb.)

Recommended brackets for Hikvision IP camera						
	DS-2CD4D26FWD-IZ(S) DS-2CD4D36FWD-IZ(S)					
	DS-1273ZJ-DM32	DS-1271ZJ-DM32	DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1227ZJ-DM32	
	Wall mount	Pendent mount	Vertical pole mount	Corner mount	In-ceiling mount	
	Hikvision white Aluminum alloy 183.5 × 142 × 232 mm	Hikvision white Aluminum alloy Φ150 × 565 mm	Hikvision white Stainless steel 127 mm × 46 mm × 250 mm (5" × 1.81" × 9.84") 1480 g (3.26 lb.) Match up with wall mount (DS-1273ZJ-XX(B))	Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount (DS-1273ZJ-XX(B))	Hik white Aluminum alloy Φ225 × 98 mm	

Recommended brackets for Hikvision IP camera					
	DS-2CD5526G0-IZ(H)SY DS-2CD5546G0-IZ(H)SY DS-2CD7526G0-IZ(H)SY DS-2CD7546G0-IZ(H)SY				
	DS-1471ZJ-155-Y	DS-1473ZJ-155-Y	DS-1475ZJ-SUS-Y	DS-1476ZJ-SUS-Y	
	Pendant mount	Wall mount	Vertical pole mount	Corner mount	
	Hik white Aluminum alloy Φ155 × 150 × 565 mm	Hik white Aluminum alloy 155 × 183.5 × 240 mm	Hik white Stainless steel 250 × 127 × 46 mm Diameter of clamp: Φ67-127 mm 1205 g Match up with wall mount (DS-1473ZJ-XX(B))	Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount (DS-1473ZJ-XX(B))	

Recommended brackets for Hikvision IP camera					
	DS-2CD5526G0-IZ(H)S DS-2CD5546G0-IZ(H)S DS-2CD5565G0-IZ(H)S DS-2CD5585G0-IZ(H)S DS-2CD55C5G0-IZ(H)S DS-2CD7526G0-IZ(H)S DS-2CD7546G0-IZ(H)S DS-2CD7585G0-IZ(H)S DS-2CD5526G1-IZ(H)S DS-2CD5546G1-IZ(H)S DS-2CD5585G1-IZ(H)S				
		DS-1471ZJ-155	DS-1473ZJ-155	DS-1475ZJ-SUS	DS-1476ZJ-SUS
		Pendant mount	Wall mount	Vertical pole mount	Corner mount
		Hik white Aluminum alloy Φ155 × 150 × 565 mm	Hik white Aluminum alloy 155 × 183.5 × 240 mm	Hik white Stainless steel 250 mm × 127 mm × 46 mm Diameter of clamp: Φ67-127 mm 1205 g Match up with wall mount (DS-1473ZJ-XX(B))	Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount (DS-1473ZJ-XX(B))
		DS-1473ZJ-155B	DS-1253ZJ-L	DS-1250ZJ	DS-1227ZJ-DM42
		Wall mount	Rain shade	Rain shade	In-ceiling mount
		Hik white Aluminum alloy 243 × 123 × 300 mm 1750 g (3.86 lb.)	Hik white Composite fibre Φ225.1 × 98 mm 198 g Match up with wall mount (DS-1473ZJ-155)	Hik white Composite fibre 264.7 × 152 × 189.6 mm 199 g	Hik white Steel and Plastic Φ 225 mm × 98.1 mm (Φ 8.86" × 3.86") 710 g (1.57 lb.)

Recommended brackets for Hikvision IP camera						
	DS-2CD6362F-I(V)(S) DS-2CD6332FWD-I(V)(S) DS-2CD63C2F-I(V)(S) DS-2CD6365G0E-I(V)(S) DS-2CD6365G0-I(V)(S) DS-2CD63C5G0E-I(V)(S) DS-2CD63C5G0-I(V)(S)					
		DS-1271ZJ-DM25	DS-1273ZJ-DM25	DS-1280ZJ-DM25	DS-1281ZJ-DM25	DS-1283ZJ
		Pendant mount	Wall mount	Junction box	Inclined ceiling mount	Three axis adjustment
		Hik white Alluminum alloy Φ149.5 × 555 mm 1930 g	Hik white Aluminum alloy 183.5 × 164 × 231.7 mm 900 g	Hik white Aluminum alloy 178.5 × 164 × 41 mm 340 g	Hik white Aluminum alloy 157.1 × 164 × 45.5 mm 300 g	Hik white Aluminum alloy 167.5 × 167.5 × 48.7 mm
		DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1274ZJ-DM25	DS-1281ZJ-DM25-B	
		Vertical pole mount	Corner mount	Corner mount	Pendant mount	
		Hik white Stainless steel 127 × 46 × 250 mm (5" × 1.81" × 9.84") 1480 g (3.26 lb.) Match up with wall mount (DS-1283ZJ,DS-1273ZJ-XX(B))	Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount (DS-1283ZJ,DS-1273ZJ-XX(B))	Hik white Aluminum Alloy & Plastic 209 × 195 × 114 mm	Hik white Aluminum alloy & Plastic 161 × 156 × 165.5 mm	

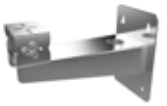
Recommended brackets for Hikvision IP camera								
	DS-2CD3363G0-I DS-2CD3343G0-I DS-2CD3323G0-I							
		DS-1273ZJ-130-TRL	DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1280ZJ-DM8	DS-1281ZJ-M	DS-1271ZJ-130-TRL	DS-1273ZJ-130B-TRL
		Wall mount	Vertical pole mount	Corner mount	Junction box	Inclined ceiling mount	Pendant mount	Wall mount
		Hik white Aluminum alloy 131 × 183.5 × 228.5 mm 890 g	Hik white Aluminum alloy 131 × 183.5 × 228.5 mm 890 g	Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount (DS-1273ZJ-J-XX(B))	Hik white Aluminum alloy Φ126.7 mm × 35 mm Approx.: 210 g (0.46 lb.)	Hik white Aluminum alloy 157 × 165.7 × 61.8 mm 586 g	Hik white Aluminum alloy Φ150 × 567 mm	Hik white Aluminum alloy Ø 132 mm × 242.9 mm × 288.5mm (5.20" × 9.56" × 11.36") 1690 g (3.73 lb.)

Recommended brackets for Hikvision IP camera								
	DS-2CD3385G0-I(B) DS-2CD3345G0-I(B) DS-2CD3325G0-I(B)							
		DS-1271ZJ-140	DS-1273ZJ-140	DS-1280ZJ-DM21	DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1273ZJ-140B	
		Pendant mount	Wall mount	Junction box	Vertical pole mount	Corner mount	Wall mount	
		Hik white Aluminum alloy Φ150 × 565 mm 1900 g	Hik white Aluminum alloy 140 × 183.5 × 232 mm 703 g	Hik white Aluminum alloy 162 × 137 × 42 mm 250 g	Hik white Stainless steel 127 × 46 × 250 mm Diameter of clamp: Φ67-127 mm 1480 g Match up with wall mount (DS-1273ZJ-XX(B))	Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount (DS-1273ZJ-XX(B))	Hik white Stainless steel 126 X 105 X 250 mm 2280 g Match up with wall mount (DS-1273ZJ-XX(B))	

Recommended brackets for Hikvision IP camera			
	DS-2CD6626DS-IZ(H)S		
		DS-1284ZJ-M-AC	DS-1703ZJ-AC
		Junction box	Wall mount
		Natural Stainless Steel Color Stainless Steel 229 × 141 × 71.5 mm 1981 g	Natural stainless steel color Stainless steel Φ175.8 × 116.5 × 202 mm

Recommended brackets for Hikvision IP camera			
	DS-2XC6122FWD-IS DS-2XC6142FWD-IS		
		DS-1705ZJ-DM35-Y	DS-1284ZJ-M-AC
		Wall mount	Junction box
		Natural Stainless Steel Color Stainless Steel 180 × 74 × 150 mm Approx. 498 g (1.1 lb.)	Natural Stainless Steel Color Stainless Steel 229 × 141 × 71.5 mm 1981 g

Recommended brackets for Hikvision IP camera			
	DS-2CD6626B-IZH(R)S		
		DS-1701ZJ-AC	DS-1284ZJ-M-AC
		Wall mount	Junction box
	DS-2CD6652B-IZHS	Natural stainless steel color Stainless steel 140 × 228 × 412.5 mm	Natural stainless steel color Stainless steel 229 × 141 × 71.5 mm 1981 g

Recommended brackets for Hikvision IP camera							
	DS-2XE6222F-IS DS-2XE6242F-IS						
		DS-1704ZJ	DS-1706ZJ	DS-2780ZJ-X	DS-1712ZJ	DS-1677ZJ-XS-1.0 (D)	DS-1751ZJ
		Wall mount	PT joint	Explosion-proof terminal box	Pendant mount	Flexible conduit	Vertical pole mount
		Natural stainless steel color 304L Stainless steel 412.5 × 140 × 228 mm	Natural stainless steel color Stainless steel 85 × 60 × 55 mm	Stainless steel 272 mm × 272 mm × 96.8 mm 6.4 kg	Natural stainless steel color 304 stainless steel	NBR, braided steel wire, carbon steel Ø25 mm × 1000 mm	Unpainted stainless steel SUS304 350 mm × 221 mm × 87.2 mm (13.78" × 8.70" × 3.43") Approx. 5 kg (11.02 lb.) Match up with wall mount (DS-1704ZJ)

Recommended brackets for Hikvision IP camera				
	DS-2XE6222F-IS/316L DS-2XE6242F-IS/316L			
		DS-2780ZJ-X/316L	DS-1704ZJ-Y	DS-1677ZJ-XS-1.0 (D)
		Explosion-proof terminal box	Wall mount	Flexible conduit
		Stainless steel 272 mm × 272 mm × 96.8 mm 6.4 kg	Unpainted stainless steel SUS316L 412.5 mm × 140 mm × 228 mm (16.24" × 5.51" × 8.98") 2160 g (4.76 lb.)	NBR, braided steel wire, carbon steel Ø25 mm × 1000 mm

Recommended brackets for Hikvision IP camera			
	DS-2XC6224G0-L		
		DS-1706ZJ	
	DS-2XC6225G0-L	PT joint	
		Natural stainless steel color Stainless steel 85 × 60 × 55 mm	

Recommended brackets for Hikvision IP camera
DS-1279ZJ
Extendable pole for pendant mount
Hik white Aluminum alloy 250 mm Match up with pendant mount (DS-1271ZJ-XXX, DS-1471ZJ-XXX)

Recommended brackets for Hikvision IP camera						
	DS-2XE6422FWD-IZH(R)S DS-2XE6452F-IZH(R)S				
		DS-1707ZJ-Y	DS-2780ZJ-X/316L	DS-1707ZJ-Y-E	DS-1677ZJ-XS-1.0 (D)
		Wall mount	Explosion-proof terminal box	Wall mount	Flexible conduit
		Unpainted stainless steel SUS316L 562.5 mm × 180 mm × 309 mm (22.15" × 7.09" × 12.17") 7.02 kg (15.48 lb.)	Stainless steel stainless steel 316L 272 mm × 272 mm × 96.8 mm 6.4 kg	Unpainted stainless steel SUS316L 543.5 mm × 160 mm × 258 mm (21.40" × 6.30" × 10.16") 4.98 kg (10.98 lb.)	NBR, braided steel wire, carbon steel Ø25 mm × 1000 mm

Recommended brackets for Hikvision IP camera						
	DS-2XE6126FWD-HS DS-2XE6146F-HS					
		DS-1696ZJ-X	DS-1697ZJ-X	DS-2780ZJ-X/316L	DS-2781ZJ-X/316L	DS-1677ZJ-XS-1.0 (D)
		Pendant mount - 316L	Wall mount - 316L	Explosion-proof terminal box	Explosion-proof terminal box	Flexible conduit
		Natural stainless steel color Stainless steel 316L φ136 × 306 mm Approx. 1.07 kg	Natural stainless steel color Stainless steel 316L 136*204.3 × 353.4 mm Approx. 1.04 kg	stainless steel Stainless steel 316L 272 mm × 272 mm × 96.8 mm 6.4 kg	Natural stainless steel color Stainless steel 316L 272 mm × 272 mm × 96.8 mm (10.7" × 10.7" × 3.8") Approx. 6.7 kg (14.8 lb.)	NBR, braided steel wire, Carbon steel Ø25 mm × 1000 mm

Recommended brackets for Hikvision IP camera				
	iDS-2CD6810F/C			
		DS-1227ZJ-P1	DS-2102ZJ	DS-1299ZJ
		In-ceiling mount	Wall mount	Pendant mount
		Hik white Metal plate & Plastic Ø 253.4 mm × 38.4 mm (Ø 9.97" × 1.51") 460 g (1.01 lb.)	Hik white Steel 194 mm × 110 mm × 50 mm (7.64" × 4.33" × 1.97") 234 g (0.52 lb.)	Hik white Aluminum alloy 77 × 77 × 198 mm 165 g

Recommended brackets for Hikvision IP camera			
 Outdoor dual-lens people counting camera	iDS-2CD6810F-IV/C		
		DS-1275ZJ-P1	
		Horizontal pole mount	
		Platinum gray Stainless steel, and Steel 127 mm × 140.48 mm × 250 mm (5" × 5.53" × 9.84") 1500 g (3.3 lb.)	

Recommended brackets for Hikvision IP camera					
	DS-2CD6825G0/C-I(S)				
		DS-1297ZJ	DS-1299ZJ	DS-1297ZJ-ES	DS-1297ZJ-M
		Pendant mount (extendable)	Pendant Mount	Pendant mount (extendable)	Pendant mount (extendable)
	DS-2CD6825G0/C-IV(S)	Hikvision White Aluminum Alloy Φ120x2000mm 1035 g (2.28 lb.) 1.2 m to 2.0 m	Hik white Aluminum Alloy 77×77×198mm 165g	Hikvision White Aluminum Alloy Φ 97 mm × 270 mm to 400 mm (Φ 3.82"" ×10.63"" to 15.75"") 500 g (1.10 lb.)	Hikvision White Aluminum Alloy Φ 120 mm × 650 mm to 1200 mm (Φ 4.72"" × 25.59"" to 47.24"") 800 g (1.76 lb.)

Recommended brackets for Hikvision IP camera				
	DS-2CD6D54G1-IZ(S)			
		DS-1618ZJ-6D	DS-1661ZJ-6D	
		Wall Mount	Pendant Mount	
		Hikvision White Aluminum alloy, stainless steel, and silicone rubber 283.5 mm × 250 mm × 165.5 mm (11.16 "" × 9.84"" × 6.52"") Approx. 1356 g (2.99 lb.)	Hikvision White Aluminum alloy, stainless steel, and silicone rubber Φ 250 mm × 247 mm (Φ 9.84 "" × 9.72"") Approx. 1338 g (2.95 lb.)	

Recommended brackets for Hikvision IP camera					
	DS-2CD6D24FWD -(I)Z(H)(S)(/NFC) DS-2CD6D54FWD -(I)Z(H)(S)(/NFC)				
		DS-1604ZJ	DS-1663ZJ	DS-1662ZJ	DS-1661ZJ
		Wall mount with junction box	Ceiling mount	Pendant mount	Pendant mount
		Hik white Aluminum alloy 255 × 171 × 355.5 mm 2150 g	Hik white Aluminum alloy Φ116.5 × 57 mm	Hik white Aluminum alloy Φ116.5 × 500 mm 960 g	Hik white Aluminum alloy Φ116.5 × 200 mm 600 g
		DS-1604ZJ-pole	DS-1604ZJ-corner	DS-1673ZJ	DS-1602ZJ
		Vertical pole mount	Corner mount	Horizontal pole mount	Wall mount
		Hik white Aluminum alloy 170.7 × 261.8 × 355.5 mm	Hik white Aluminum alloy 206.8 × 261.8 × 465 mm	Hik white Steel(mounting board) & Stainless steel(clamp) Diameter of clamp: Φ67-127 mm Match up with pendant mount	Hik white Aluminum alloy 97 X 182 X 305 mm

Recommended brackets for Hikvision IP camera						
	DS-2CD6984G0-IH(S)(AC) DS-2CD6924G0-IHS(/NFC) DS-2CD6924G0-IHS(/NFC) DS-2CD6984G0-IH(S)/(NFC)					
		DS-1661ZJ	DS-1662ZJ	DS-1663ZJ	DS-1604ZJ	DS-1604ZJ-pole
		Pendant mount	Pendant mount	Ceiling mount	Wall mount with junction box	Vertical pole mount
		Hik white Aluminum alloy Φ116.5 × 200 mm 600 g	Hik white Aluminum alloy Φ116.5 × 500 mm 960 g	Hik white Aluminum alloy Φ116.5 × 57 mm	Hik white Aluminum alloy 255 × 171 × 355.5 mm 2150 g	Hik white Aluminum alloy 170.7 × 261.8 × 355.5 mm
		DS-1604ZJ-corner	DS-1604ZJ-box	DS-1604ZJ-BOX-POLE	DS-1604ZJ-BOX-CORNER	DS-1602ZJ
		Corner mount	Wall mount with junction box	Vertical pole mount with junction box	Wall mount with junction box	Wall mount
		Hik white Aluminum alloy 206.8 × 261.8 × 465 mm	Hik white Aluminum alloy 281.2 × 170.7 × 395.5 mm	Hik white Aluminum alloy & steel 222 × 139.3 × 422 mm	Hik white Aluminum alloy & stee 255.5 × 314 × 542.5 mm	Hik white Aluminum alloy 97 X 182 X 305 mm

Recommended brackets for Hikvision PTZ Dome Camera				
		Outdoor(only available for outdoor PTZ model)		
	DS-2DF5232X-AEL DS-2DF5225X-AEL			
	DS-2DF7232IX-AEL DS-2DF7232IX-AELW DS-2DF7225IX-AEL DS-2DF7225IX-AELW			
	DS-2DE7530IW-AE DS-2DE7430IW-AE DS-2DE7425IW-AE DS-2DE7330IW-AE DS-2DE7320IW-AE DS-2DE7232IW-AE DS-2DE7225IW-AE	DS-1661ZJ	DS-1662ZJ	DS-1663ZJ
		Pendant mount	Pendant mount	Ceiling mount
	DS-2DE7A225MX-AE DS-2DE7A232MX-AE	Hik white Aluminum alloy Φ116.5 × 200mm 600 g	Hik white Aluminum alloy Φ116.5 × 500 mm 960 g	Hik white Aluminum alloy Φ116.5 × 57 mm 380 g
	DS-2DE7A245IX-AE/S1			
	DS-2DF6225X-AEL			
	DS-2DF8836IX-AEL DS-2DF8836IX-AELW DS-2DF8825IX-AEL DS-2DF8825IX-AELW DS-2DF8436IX-AEL DS-2DF8436IX-AELW DS-2DF8425IX-AEL DS-2DF8425IX-AELW DS-2DF8236IX-AEL DS-2DF8236IX-AELW DS-2DF8225IX-AEL DS-2DF8225IX-AELW DS-2DF8250I5X-AEL(W) DS-2DF8242IX-AEL(W) DS-2DF8442IXS-AEL(W)	DS-1660ZJ	DS-1604ZJ	DS-1604ZJ-pole
		Parapet wall mount	Wall mount	Vertical pole mount
	iDS-2VS235-F836	Hik white Aluminum alloy 180 × 950 × 800 mm 2900 g	Hik white Aluminum alloy 255 × 171 × 355.5 mm 2150 g	Hik white Aluminum alloy 170.7 × 261.8 × 355.5 mm
	DS-2DF8836I5X-AEL(W) DS-2DF8436I5X-AEL(W) DS-2DF8236I5X-AEL(W) DS-2DF8250I8X-AEL(W) DS-2DF8242I5X-AELW			

Recommended brackets for Hikvision PTZ Dome Camera					
		Outdoor(only available for outdoor PTZ model)			
	DS-2DF5232X-AEL DS-2DF5225X-AEL				
	DS-2DF7232IX-AEL DS-2DF7232IX-AELW DS-2DF7225IX-AEL DS-2DF7225IX-AELW				
	DS-2DE7530IW-AE DS-2DE7430IW-AE DS-2DE7425IW-AE DS-2DE7330IW-AE DS-2DE7320IW-AE DS-2DE7232IW-AE DS-2DE7225IW-AE	DS-1604ZJ-corner	DS-1604ZJ-box	DS-1604ZJ-BOX-POLE	DS-1604ZJ-BOX-CORNER
		Corner mount	Wall mount with junction box	Vertical pole mount with junction box	Wall mount with junction box
	DS-2DE7A225MX-AE DS-2DE7A232MX-AE	Hik white Aluminum alloy 206.8 × 261.8 × 465 mm	Hik white Aluminum alloy 281.2 × 170.7 × 395.5 mm	Hik white Aluminum alloy & steel 222 × 139.3 × 422 mm	Hik white Aluminum alloy & stee 255.5 × 314 × 542.5 mm
	DS-2DE7A245IX-AE/S1				
	DS-2DF6225X-AEL				
	DS-2DF8836IX-AEL DS-2DF8836IX-AELW DS-2DF8825IX-AEL DS-2DF8825IX-AELW DS-2DF8436IX-AEL DS-2DF8436IX-AELW DS-2DF8425IX-AEL DS-2DF8425IX-AELW DS-2DF8236IX-AEL DS-2DF8236IX-AELW DS-2DF8225IX-AEL DS-2DF8225IX-AELW DS-2DF8250I5X-AEL(W) DS-2DF8242IX-AEL(W) DS-2DF8442IXS-AEL(W)	DS-1619ZJ	DS-1667ZJ	DS-1602ZJ	
		Gooseneck mount	Extendable pole for pendant mount	Wall mount	
	iDS-2VS235-F836	Hik white Aluminum alloy 455.2 × 130.4 × 841.5 mm	Hik white Galvanized steel pipe 1500-2500 mm	Hik white Aluminum alloy 97 X 182 X 305 mm	
	DS-2DF8836I5X-AEL(W) DS-2DF8436I5X-AEL(W) DS-2DF8236I5X-AEL(W) DS-2DF8250I8X-AEL(W) DS-2DF8242I5X-AELW				

Recommended brackets for Hikvision PTZ Dome Camera							
		Outdoor					
	DS-2DF8225IH-AEL(W)						
		DS-1604ZJ-P	DS-1663ZJ-P	DS-1660ZJ-P	DS-1661ZJ-P	DS-1667ZJ-P	DS-1682ZJ-P
		Wall mount with junction box	Ceiling mount	Parapet wall mount	Pendant mount	Extendable pole for pendant mount	Extendable pole for pendant mount
	DS-2DF6A836X-AEL DS-2DF6A825X-AEL DS-2DF6A436X-AEL DS-2DF6A425X-AEL DS-2DF6A236X-AEL DS-2DF6A225X-AEL						
	DS-2DF8A425I(N)X-AEL DS-2DF8A436I(N)X-AEL DS-2DF8A825I(N)X-AEL DS-2DF8A836I(N)X-AEL DS-2DF8A442IXS-AEL	Platinum gray Aluminum alloy 255 × 171 × 355.5 mm 2150 g	Platinum gray Aluminum alloy Φ116.5 × 57 mm 380 g	Platinum gray Aluminum alloy 180 × 950 × 800 mm 2900 g	Platinum gray Aluminum alloy Φ116.5 × 200 mm 600 g	Platinum gray Galvanized steel pipe 1500-2500 mm	Platinum gray Aluminum alloy Ø 60 mm × 500 mm (Ø 2.36" × 19.69") 1050 g (2.31 lb.) Match up with pendant mount(DS-1661ZJ-P, DS-1662ZJ-P)

Recommended brackets for Hikvision PTZ Dome Camera

		Outdoor			
	DS-2DF8225IH-AEL(W)				
		DS-1662ZJ-P	DS-1673ZJ-P	DS-1604ZJ-Pole-P	DS-1604ZJ-Corner-P
		Pendant mount	Horizontal pole mount	Vertical pole mount	Corner mount
	DS-2DF6A836X-AEL DS-2DF6A825X-AEL DS-2DF6A436X-AEL DS-2DF6A425X-AEL DS-2DF6A236X-AEL DS-2DF6A225X-AEL	Platinum gray Aluminum alloy Φ116.5 × 500 mm 960 g	Platinum gray Steel(mounting board) & Stainless Steel(clamp) Diameter of clamp: Φ67-127mm Match up with pendant mount	Platinum gray Aluminum alloy 170.7 × 261.8 × 355.5 mm	Platinum gray Aluminum alloy 206.8 × 261.8 × 465 mm
	DS-2DF8A425I(N)X-AEL DS-2DF8A436I(N)X-AEL DS-2DF8825I(N)X-AEL DS-2DF8A836I(N)X-AEL DS-2DF8A442IXS-AEL	DS-1604ZJ-BOX-P	DS-1604ZJ-BOX-CORNER-P	DS-1604ZJ-BOX-POLE-P	
		Wall mount with junction box	Wall mount with junction box	Vertical pole mount with junction box	
		Platinum gray Aluminum alloy 281.2 × 170.7 × 395.5 mm	Platinum gray Aluminum alloy & stee 255.5 × 314 × 542.5 mm	Platinum gray Aluminum alloy & steel 222 × 139.3 × 422 mm	

Recommended brackets for Hikvision PTZ Dome Camera						
		Outdoor				
	DS-2DF9C245IH-DLW DS-2DF9C435IH-DLW DS-2DF9C245IHS-DLW DS-2DF9C435IHS-DLW					
		DS-1603ZJ-P	DS-1668ZJ-P	DS-1668ZJ(20)-P	DS-1603ZJ-Pole-P	DS-1619ZJ-HP2
		Wall mount	Pendant mount	Pendant mount	Vertical pole mount	Gooseneck mount
		Platinum gray Aluminum alloy 364.1 mm × 182.0 mm (14.3" × 7.2") 1400 g (3.09 lb.)	Platinum gray Steel Φ115 × 58 mm 620 g	Platinum gray Steel Φ 115 mm × 200 mm (4.53" × 7. 87") 1150 g (2.54 lb.)	Platinum gray Aluminum alloy+steel 410.6 × 194 × 126.1 mm 2.5 kg	Platinum gray Stainless steel Ø 130 mm × 455 mm × 526 mm (5.12" × 17.91" × 20.71") 5200 g (12.46 lb.)

Recommended brackets for Hikvision PTZ Dome Camera					
		Outdoor			
	DS-2DF5220S-D4 DS-2DF5220S-DE4/W				
		DS-1691ZJ	DS-1695ZJ	DS-1691ZJ-L	DS-1691ZJ-M
		Pendant mount	Integrated wall mount	Pendant mount	Pendant mount
		Hik white Aluminum alloy 84 × 124 × 335 mm 980 g	Hik white Aluminum alloy + Plastic 157 × 86 × 246 mm	Hik white Steel 124 x 84 x 1000 mm 2175 g	Hik white Steel 124 x 84 x 500 mm 1175 g

Recommended brackets for Hikvision PTZ Dome Camera				
		Outdoor		
	iDS-2PT9122IX-D/S Wall mount bracket included in the package			
		DS-2664ZJ-P	DS-2601ZJ-P	DS-2665ZJ-P
		Pendent mount	Wall mounting racket	Base mounting bracket
		Grey Aluminum alloy Φ203.5 × 217.4 mm	Plastic with surface spray treatment Φ 203.5 mm × 227.9 mm (Included in the package)	Plastic with surface spray treatment 178.7 mm × 126 mm × 57.2 mm

Recommended brackets for Hikvision PTZ Dome Camera							
		Outdoor					
	DS-2DP1636IZIX-D/236						
		DS-1603ZJ-P	DS-1668ZJ-P	DS-1668ZJ(20)-P	DS-1603ZJ-Pole-P	DS-1619ZJ-HP2	DS-1603ZJ-Corner-P
		Wall mount	Pendant mount	Pendant mount	Vertical pole mount	Gooseneck mount	Corner mount
	DS-2DP1636IZIX-D/236(B) DS-2DP0818IZIX-D/236(B) DS-2DP2427IZIXS-DE/436/T4 DS-2DP1618IZIXS-DE/436/T4 DS-2DP1618IZIXS-DE/440/T2 DS-2DP2427IZIXS-DE/440/T2 DS-2DP3236IZIXS-D/440/T2 DS-2DP6436IZIXS-D/836/T2	Platinum gray Aluminum alloy 364.1 mm × 182.0 mm (14.3" × 7.2") 1400 g (3.09 lb.)	Platinum gray Steel Φ115 × 58 mm 620 g	Platinum gray Steel Φ 115 mm × 200 mm (4.53" × 7.87") 1150 g (2.54 lb.)	Platinum gray Aluminum alloy+steel 410.6 × 194 × 126.1 mm 2.5 kg	Platinum gray Stainless Steel Ø 130 mm × 455 mm × 526 mm (5.12" × 17.91" × 20.71") 5200 g (12.46 lb.)	Platinum gray Aluminum alloy, and Steel 473.1 mm × 194 mm × 176.1 mm (18.63" × 7.64" × 6.93") 2920 g (6.44 lb.)

Recommended brackets for Hikvision PTZ Dome Camera					
		Outdoor			
	DS-2DP0818Z-D DS-2DP1636Z-D				
		DS-1603ZJ	DS-1668ZJ	DS-1668ZJ(20)	DS-1673ZJ
		Wall mount	Pendant mount	Pendant mount	Horizontal pole mount
		Hik white Aluminum alloy 98 × 182 × 362 mm	Hik white Steel Φ115 × 58 mm 620 g	Hik white Steel Φ115 × 200 mm 1150 g	Hik white Steel(mounting board) & Stainless steel(clamp) Diameter of clamp: Φ67-127 mm 1060 g (2.34 lb.) Match up with pendant mount
		DS-1684ZJ	DS-1678ZJ	DS-1619ZJ-H2	
		Vetical pole mount	Junction box	Gooseneck mount	
		Hik white Steel(mounting board) & Stainless steel(clamp) Diameter of clamp: Φ67-127 mm Match up with wall mount	Hik white Aluminum alloy 286 × 424 × 119.5 mm	Hik white Stainless steel Ø 130 mm × 455 mm × 526 mm (5.12" × 17.91" × 20.71") 5200 g (12.46 lb.)	

Recommended brackets for Hikvision PTZ Dome Camera					
		Outdoor			
		DS-1603ZJ	DS-2663ZJ	DS-1668ZJ	DS-1668ZJ(20)
		Wall mount	3-axis mount	Pendant mount	Pendant mount
		Hik white Aluminum alloy 98 × 182 × 362 mm	Hik white Aluminum alloy 275.8 × 269 × 140.1 mm 2600 g	Hik white Steel Φ115 × 58 mm 620 g	Hik white Steel Φ115 × 200 mm 1150 g
	DS-2DP1636-D				
		DS-1673ZJ	DS-1684ZJ	DS-1678ZJ	DS-1619ZJ-H2
		Horizontal pole mount	Vetical pole mount	Junction box	Gooseneck mount
		Hik white Steel(mounting board) & Stainless steel(clamp) Diameter of clamp: Φ67-127 mm Match up with pendant mount	Hik white Steel(mounting board) & Stainless steel(clamp) Diameter of clamp: Φ67-127 mm Match up with Wall mount	Hik white Aluminum alloy 286 × 424 × 119.5 mm	Hik white Stainless steel Ø 130 mm × 455 mm × 526 mm (5.12" × 17.91" × 20.71") 5200 g (12.46 lb.)

Recommended brackets for Hikvision PTZ Dome Camera			
		Outdoor	
	DS-2DT6223-AELY DS-2DT6223W-AELY		
		DS-1696ZJ-Y	DS-1697ZJ-Y
		Pendant mount	Wall mount
		Stainless steel 316L 160 × 160 × 342 mm 1890 g	Stainless steel 316L 136 × 212 × 326 mm 2300 g

Recommended brackets for Hikvision PTZ Dome Camera				
		Outdoor		
	DS-2DF8236IX-AELWY			
		DS-1602ZJ-AKS	DS-1604ZJ-BOX-Corner-Y	DS-1604ZJ-BOX-Y
		Wall mount	Cornor pole mount with junction box	Wall mount with junction box
		Hik white Alloy 97.3 mm × 182.6 mm × 306.4 mm (3.83" × 7.19" × 12.06") 960 g (2.12 lb.)	Hik white Alloy, SUS304 314 mm × 25.5 mm × 542.5 mm (12.36" × 10.06" × 21.36") 6976 g (15.38 lb.)	Hik white Alloy 281.2 mm × 170.7 mm × 395.5 mm (11.07" × 6.72" × 15.57") 2150 g (4.74 lb.)

Recommended brackets for Hikvision PTZ Dome Camera					
		Outdoor			
	DS-2DF6223-CX(W) Wall mount bracket included in the package				
		DS-1691ZJ-X	DS-1690ZJ-X	DS-1677ZJ-XS-1.0 (C2)	DS-2780ZJ-X
		Pendant mounting	Wall mounting bracket	Flexible conduit	Explosion-proof terminal box
		Stainless steel 304L 250 mm × 200 mm × 303 mm 6 kg	I SUS304 stainless steel 350 mm × 227.5 mm × 345.5 mm 7 kg (Included in the package)	NBR, braided steel wire, carbon steel Ø25 mm × 1000 mm	stainless steel 272 mm × 272 mm × 96.8 mm 6.4 kg

Recommended brackets for Hikvision PTZ Dome Camera					
		Outdoor			
	DS-2DF6223-CX(W/316L) Wall mount bracket included in the package				
		DS-1693ZJ-X	DS-1692ZJ-X	DS-1677ZJ-XS-1.0 (C2)	DS-2780ZJ-X/316L
		Pendant mounting	Wall mounting bracket	Flexible conduit	Explosion-proof terminal box
		Stainless steel 316L 250 mm × 200 mm × 303 mm 6 kg	SUS316L 350 mm × 200 mm × 345 mm 7 kg (Included in the package)	NBR, braided steel wire, carbon steel Ø25 mm × 1000 mm	Stainless steel 272 mm × 272 mm × 96.8 mm 6.4 kg

Recommended brackets for Hikvision PTZ Dome Camera						
		Outdoor				
	DS-2DB4223I-CX(WE)						
		DS-1707ZJ	DS-1707ZJ-E	DS-2780ZJ-X	DS-1708ZJ	DS-1677ZJ-XS-1.0 (D)	DS-1751ZJ
		Wall mount (304 stainless steel)	Wall mount (304 stainless steel)	Explosion-proof terminal box	PT joint	Flexible conduit	Vertical pole mount
		-	-	stainless steel 272 mm × 272 mm × 96.8 mm 6.4 kg	-	NBR, braided steel wire, carbon steel Ø25 mm × 1000 mm	-

Recommended brackets for Hikvision PTZ Dome Camera								Recommended brackets for Hikvision PTZ Dome Camera	Recommended brackets for Hikvision PTZ Dome Camera
		Outdoor							
	DS-2DB4223I-CX(WE/316L) DS-2DB4236I-CWX(WE/316L)					DS-1707ZJ-Y	DS-1707ZJ-Y-E	DS-2780ZJ-X/316L	DS-1677ZJ-XS-1.0 (D)	DS-1682ZJ	DS-1673ZJ
		Wall mount (316L stainless steel)	Wall mount (316L stainless steel)	Explosion-proof terminal box	Flexible conduit	Extendable pole for pendant mount	Horizontal pole mount				
		Unpainted stainless steel SUS316L 562.5 mm × 180 mm × 309 mm (22.15" × 7.09" × 12.17") 7.02 kg (15.48 lb.)	Unpainted stainless steel SUS316L 543.5 mm × 160 mm × 258 mm (21.40" × 6.30" × 10.16") 4.98 kg (10.98 lb.)	Stainless steel 272 mm × 272 mm × 96.8 mm 6.4 kg	NBR, braided steel wire, carbon steel Ø25 mm × 1000 mm	Hik white Aluminum alloy 500 mm Match up with pendant mount (DS-1661ZJ, DS-1662ZJ)	Hik white Steel (mounting board) & Stainless steel(clamp) Diameter of clamp: Φ67-127 mm Match up with pendant mount				

Positioning System

Product form	Model	Relevant brackets and housings---Outdoor	
	DS-2DY9250IAX-A DS-2DY9236I8X-A DS-2DY9250IAX-A(S1) DS-2DY9250X-A DS-2DY9236X-A DS-2DY9188-A DS-2DY9185-A DS-2DY9225IH-A DS-2DY9250IX-A DS-2DY9236IX-A DS-2DY9250IX-A(S1) DS-2DY7236W-A DS-2DY7236IW-A	DS-1693ZJ	DS-1678ZJ
		Wall mount	Junction box
		Hik white Steel 190 × 200 × 500 mm 5700 g	Hik white Aluminum alloy 286 × 424 × 119.5 mm

Product form	Model	Relevant brackets and housings---Outdoor		
	PT bullet camera			
		DS-1280ZJ-M(SPTZ)	DS-1281ZJ-M(SPTZ)	DS-1275ZJ(SPTZ)
		Junction box	Inclined ceiling mount	Pole mount
	DS-2DY3320IW-DE DS-2DY3220IW-DE	Hik white Steel 157 x 53.4 x 184 mm 621 g	Hik white Steel 157 x 61.8 x 165.7 mm 586 g	Hik white Steel 250 x 127 x 140 mm

Product form	Model	Outdoor
	PT bullet camera	
		DS-1275ZJ(SPTZ)
		Pole mount
	DS-2DY3320IW-DE4 DS-2DY3220IW-DE4	Hik white Steel 250 x 127 x 140 mm

Product form	Model	Relevant brackets and housings---Outdoor		
	Explosion-proof positioning system			
		DS-1713ZJ-Y (SUS316L)	DS-2780ZJ-X/316L	DS-1677ZJ-XS-1.0 (D)
		Wall mounting bracket	Explosion-proof terminal box	Flexible conduit
	DS-2DY9236I-CWX(W/316L) Wall mount bracket included in the package	Natural stainless steel color SUS316L Ø 270 mm × 479 mm × 235 mm (Ø 10.63"" × 18.86"" × 9.25"") 7.1 kg (15.65 lb.) (Included in the package)	Stainless steel 272 mm × 272 mm × 96.8 mm 6.4 kg	NBR, braided steel wire, carbon steel Ø25 mm × 1000 mm

Indoor housing						
Appearance	Model	Key Feature	Available Camera Models	Bracket Model		
	DS-1330HZ	Hik white Complex fiber 290×142×92 mm 640 g	DS-2CD4C16FWD-(A)(P) DS-2CD4C26FWD-(A)(P) DS-2CD4C36FWD-(A)(P) DS-2CD4026FWD-A/P DS-2CD5026G0-(AP) DS-2CD5046G0-(AP) DS-2CD5065G0-(AP) DS-2CD5085G0-(AP) DS-2CD50C5G0-(AP) DS-2CD7026G0(/P)-(AP) DS-2CD7046G0-(AP) DS-2CD7085G0-(AP)			
				DS-1293ZJ	DS-1299ZJ	DS-1269ZJ
				Wall mount	Pendant mount	Pendant mount
				Hik white Aluminum alloy 88 × 116.6 × 297.3 mm 473 g	Hik white Aluminum Alloy 77 × 77 × 198 mm 165 g	Hik white Aluminum alloy 493 x 246 x 88 mm 480 g

Indoor housing						
Appearance	Model	Key Feature	Available Camera Models	Bracket Model		
	DS-1332HZ	Hik white Aluminum alloy 288 × 149 × 100 mm 800 g	DS-2CD4C16FWD-(A)(P) DS-2CD4C26FWD-(A)(P) DS-2CD4C36FWD-(A)(P) DS-2CD4026FWD-A/P DS-2CD5026G0-(AP) DS-2CD5046G0-(AP) DS-2CD5065G0-(AP) DS-2CD5085G0-(AP) DS-2CD50C5G0-(AP) DS-2CD7026G0(/P)-(AP) DS-2CD7046G0-(AP) DS-2CD7085G0-(AP)			
				DS-1293ZJ	DS-1299ZJ	DS-1269ZJ
				Wall mount	Pendant mount	Pendant mount
				Hik white Aluminum alloy 88 × 116.6 × 297.3 mm 473 g	Hik white Aluminum Alloy 77 × 77 × 198 mm 165 g	Hik white Aluminum alloy 493 x 246 x 88 mm 480 g

Indoor housing									
Appearance	Model	Key Feature	Available Camera Models	Bracket Model					
	DS-1331HZ-C	Hik white Aluminum alloy Containing fan DC12V IP66 110 × 165 × 445 mm 1900 g	DS-2CD4C16FWD-(A)(P) DS-2CD4C26FWD-(A)(P) DS-2CD4C36FWD-(A)(P) DS-2CD4026FWD-A/P DS-2CD5026G0-(AP) DS-2CD5046G0-(AP) DS-2CD5065G0-(AP) DS-2CD5085G0-(AP) DS-2CD50C5G0-(AP) DS-2CD7026G0(/P)-(AP) DS-2CD7046G0-(AP) DS-2CD7085G0-(AP)					
	DS-1331HZ-H	Hik white Aluminum alloy Containing fan and heater AC24V IP66 110 × 165 × 445 mm 1900 g		DS-1293ZJ	DS-1269ZJ	DS-1214ZJ	DS-1214ZJ-T	DS-1233ZJ	
				Wall mount	Pendant mount	Horizontal pole mount	Horizontal pole mount	Column mount	
	DS-1331HZ-HW	Hik white Aluminum alloy Containing fan, wiper and heater AC24V IP66 445 × 165 × 170 mm 2500 g		Hik white Aluminum alloy 88 × 116.6 × 297.3 mm 473 g	Hik white Aluminum alloy 493 x 246 x 88 mm 480 g	Hik white Steel (mounting board) & Stainless Steel (clamp) 117 × 226 × 194mm Diameter of clamp: Φ67-127 mm 1895 g	Hik white Steel (mounting board) & Stainless Steel (clamp)	Hik white Steel Φ160 x 1093 mm 6200 g	
	DS-1331HZ-CI	Hik white Aluminum alloy Containing fan DC12V IP66 IK10 445 × 140 × 94 mm 1900 g							
	DS-1331HZ-HI	Hik white Aluminum alloy Containing fan and heater AC 24V(DC 12V) IP66 IK10 110 × 165 × 445mm 1900 g		DS-1232ZJ	DS-1232ZJ-T	DS-1275ZJ-SUS	DS-2204ZJ		
				Cardan joint	Cardan joint	Vertical pole mount	Wall mount		
	DS-1331HZ-R	Hik white Aluminum alloy Containing Cooling module AC 110 to 240V IP66 490 × 169.4 × 100 mm 3200 g		Hik white Steel 126 x 103.5 x 83 mm 790	Hik white Steel 96 x 95 x 92.5 mm	Hik white Stainless Steel 127 × 46 × 250 mm Diameter of clamp: Φ67-127 mm 1205 g Match up with wall mount (DS-1293ZJ)	Hik white Aluminum alloy 413.5 × 228.7 × 120 mm 1859 g		

Outdoor housing									
Appearance	Model	Key Feature	Available Camera Models	Bracket Model					
	DS-4718HZ-K	Hik white Aluminum alloy Containing fan and heater AC 24V(DC 12V) IP66 174 × 153 × 550 mm 2500 g	DS-2CD4C16FWD-(A)(P) DS-2CD4C26FWD-(A)(P) DS-2CD4C36FWD-(A)(P) DS-2CD4026FWD-A/P DS-2CD5026G0-(AP) DS-2CD5046G0-(AP) DS-2CD5065G0-(AP) DS-2CD5085G0-(AP) DS-2CD50C5G0-(AP) DS-2CD7026G0(/P)-(AP) DS-2CD7046G0-(AP) DS-2CD7085G0-(AP)						
				DS-1293ZJ	DS-1269ZJ	DS-1214ZJ	DS-1214ZJ-T	DS-1275ZJ-SUS	
				Wall mount	Pendant mount	Horizontal pole mount	Horizontal pole mount	Vertical pole mount	
				Hik white Aluminum alloy 88 × 116.6 × 297.3 mm 473 g	Hik white Aluminum alloy 88 × 116.6 × 297.3 mm 473 g Hik white Aluminum alloy 493 x 246 x 88 mm 480 g	Hik white Steel (mounting board) & Stainless Steel (clamp) 117 × 226 × 194 mm Diameter of clamp: Φ67-127 mm 1895 g	Hik white Steel (mounting board) & Stainless Steel (clamp)	Hik white Stainless Steel 127 × 46 × 250 mm	Diameter of clamp: Φ67-127 mm 1205 g Match up with wall mount (DS-1293ZJ)

Outdoor housing				
Appearance	Model	Key Feature	Available Camera Models	Bracket Model
	DS-1340HZ	Three-axis adjustment Containing combined wires and fan IK10	DS-2CD4C16FWD-(A)(P) DS-2CD4C26FWD-(A)(P) DS-2CD4C36FWD-(A)(P) DS-2CD4026FWD-A/P DS-2CD5026G0-(AP) DS-2CD5046G0-(AP) DS-2CD5065G0-(AP) DS-2CD5085G0-(AP) DS-2CD50C5G0-(AP) DS-2CD7026G0(/P)-(AP) DS-2CD7046G0-(AP) DS-2CD7085G0-(AP)	 DS-1275ZJ-4626 Vertical pole mount Hik white Steel (mounting board) & Stainless Steel (clamp) 127 × 46 × 250 mm 1235 g For 40 series box camera

Product form	Model	Recommended brackets for Hikvision Thermal Camera			
		Relevant brackets			
	DS-2TD4137 DS-2TD4137T DS-2TD4167 DS-2TD4167T				
		DS-1604ZJ-pole	DS-1604ZJ-corner	DS-1604ZJ-box	DS-1604ZJ-BOX-POLE
		Vertical pole mount	Corner mount	Wall mount, including power box	Vertical pole mount with junction box
		Hik white Aluminum alloy 170.7 × 261.8 × 355.5 mm	Hik white Aluminum alloy 206.8 × 261.8 × 465 mm	Hik white Aluminum alloy 281.2 × 170.7 × 395.5 mm	Hik white Aluminum alloy & steel 222 × 139.3 × 422 mm
	DS-2TD4237/V2				
		DS-1604ZJ-BOX-CORNER	DS-1619ZJ	DS-1602ZJ	DS-1673ZJ
		Wall mount with junction box	Gooseneck mount	Wall mount	horizontal pole mount
		Hik white Aluminum alloy & stee 255.5 × 314 × 542.5 mm	Hik white Aluminum alloy 455.2 × 130.4 × 841.5 mm	Hik white Aluminum alloy 97×182×305 mm	Hik white Steel (mounting board) & Stainless Steel (clamp) Diameter of clamp: Φ67-127 mm Match up with DS-1661ZJ or DS-1662ZJ or DS-1663ZJ

Product form	Model	Recommended brackets for Hikvision Thermal Camera
		Relevant brackets
	DS-2TD6267-W DS-2TD6267T-W	 DS-1693ZJ Wall mount Hik white Steel 190 × 200 × 500 mm 5700 g

Product form	Model	Recommended brackets for Hikvision Thermal Camera					
		Relevant brackets					
	DS-2TD1217/PA						
		DS-1273ZJ-140	DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1273ZJ-140B	DS-1271ZJ-140	DS-1280ZJ-DM21
	DS-2TD1117/PA	Wall mount Hik white Aluminum alloy 140×183.5×232mm 703g	Vertical pole mount Hik white Stainless Steel 127×46×250mm Diameter of clamp: Φ67-127mm 1480g Match up with wall mount(DS-1273ZJ-XX(B))	Corner mount Hik white Stainless Steel 126X105X250mm 2280g Match up with wall mount(DS-1273ZJ-XX(B))	Wall mount Hik white Aluminum alloy with junction box 140×243×292mm 1488g	Pendant Mount Hik white Aluminum alloy Φ150×565mm 1900g	Junction box Hik white Aluminum alloy 162×137×42mm 250g

Product form	Model	Recommended brackets for Hikvision Thermal Camera		
		Relevant brackets		
	DS-2TD2617/PA			
	DS-2TD2637/P DS-2TD2667/P	DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1260ZJ
		Vertical pole mount	Corner mount	(shipped by default) Junction box
	DS-2TD2117/PA	Hik white Stainless Steel 127×46×250mm Diameter of clamp: Φ67-127mm 1480g Match up with wall mount(DS-1273ZJ-XX(B))	Hik white Stainless steel 126 X 105 X 250 mm 2280 g	Hik white Aluminum alloy Φ 88.5 mm × 36 mm (Φ 3.48" × 1.42") 251 g
	DS-2TD2137/P DS-2TD2167/P			

Product form	Model	Recommended brackets for Hikvision Thermal Camera
		Relevant brackets
	DS-2TD2137/PY DS-2TD2167/PY	
		DS-1275ZJ-Y
		Pole mount
		Anti-corrosion Hik white Stainless Steel 127×250×Φ167mm

Product form	Model	Recommended brackets for Hikvision Thermal Camera
		Relevant brackets
	DS-2TD2367/P	
		DS-2904ZJ
		Vertical pole mount
		Hik white Steel 157 × 240 × Φ200 mm

Product form	Model	Recommended brackets for Hikvision Thermal Camera			
		Relevant brackets			
	DS-2TX3742-A/P				
		DS-2902ZJ	DS-2904ZJ	DS-2903ZJ	DS-2905ZJ
		(shipped by default with 'A')		(shipped by default with 'P')	(shipped by default with 'P')
	DS-2TX3742-P/P	Wall mount	Vertical pole mount	Horizontal pole mount	Vertical pole mount
		Hik white Stainless steel 259 × 396 × 119 mm	Hik white Stainless steel 70 × 38 mm	Hik white Stainless steel 118 × 194 × Φ200 mm	Hik white Aluminum alloy Φ116.5-57 mm

Product form	Model	Recommended brackets for Hikvision Thermal Camera			
		Relevant brackets			
	DS-2TD2466T-X				
		DS-1707ZJ-Y	DS-2780ZJ-X/316L	DS-1677ZJ-XS-1.0 (D)	DS-1751ZJ
		(shipped by default)			
		Wall mount (316L stainless steel)	Explosion-proof terminal box	Flexible conduit	Vertical pole mount
		Unpainted stainless steel SUS316L 562.5 mm × 180 mm × 309 mm (22.15" × 7.09" × 12.17") 7.02 kg (15.48 lb.)	Stainless steel 272 mm × 272 mm × 96.8 mm 6.4 kg	NBR, braided steel wire, carbon steel Ø25 mm × 1000 mm	Stainless steel 221 × 350 × Φ200 mm

Product form	Model	Recommended brackets for Hikvision Thermal Camera		
		Relevant brackets		
	DS-2TD3017T			
		DS-1299ZJ	DS-1297ZJ-ES	DS-2920ZJ
		Wall / Roof mount	Roof mount (Elastic)	Ball hinge bracket
		Hik white Aluminum Alloy 77×77×198mm 165g	Hik White Aluminum Alloy Φ 97 mm × 270 mm to 400 mm (Φ 3.82"" ×10.63"" to 15.75"") 500 g (extendable)	Black Aluminum Alloy Φ 50mm × 56.5 mm 90 g

Product form	Model	Recommended brackets for Hikvision Thermal Camera			
		Relevant brackets			
	DS-2TD1217B/PA				
		DS-1273ZJ-140	DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1273ZJ-140B
		Wall mount	Vertical pole mount	Corner mount	Wall mount
		Hik white Aluminum alloy 140×183.5×232mm 703g	Hik white Stainless Steel 127×46×250mm Diameter of clamp: Φ67-127mm 1480g Match up with wall mount(DS-1273ZJ-XX(B)	Hik white Stainless Steel 126X105X250mm 2280g Match up with wall mount(DS-1273ZJ-XX(B))	Hik white Aluminum alloy with junction box 140×243×292mm 1488g
		DS-1271ZJ-140	DS-1280ZJ-DM21	DS-2908ZJ	DS-2907ZJ
		Pendant Mount	Junction box	Turret-Tripod adapter	Tripod
		Hik white Aluminum alloy Φ150×565mm 1900g	Hik white Aluminum alloy 162×137×42mm 250g	UNC 1/4"-20 Tripod connection	UNC 1/4"-20 Tripod connection

Product form	Model	Recommended brackets for Hikvision Thermal Camera			
		Relevant brackets			
	DS-2TD2617B/PA				
		DS-1260ZJ (shipped by default)	DS-1276ZJ-SUS	DS-2909ZJ	DS-1275ZJ-Y
		Junction box	Corner mount	Bullet-Tripod adapter	Vertical pole mount
		Hik white Aluminum alloy Φ88.5 mm	Hik white Stainless steel 158X173mm	UNC 1/4"-20 Tripod connection	Anti-corrosion Hik white Stainless steel 127×250×Φ167mm (use without junction box)
	DS-2TD2637B/P DS-2TD2636B/P				
		DS-1275ZJ-SUS	DS-1276ZJ-Y	DS-2921ZJ-S	DS-2907ZJ
		Vertical pole mount	Corner mount	Pendant Mount	Tripod
		Hik white Stainless steel 127×250×Φ167mm (use without junction box)	"Anti-corrosion Hik white Stainless steel 126×250×105mm"	Hik white Aluminum alloy Extendible, 0.6m - 1.2m	UNC 1/4"-20 Tripod connection

Product form	Model	Recommended brackets for Hikvision Thermal Camera				
		Relevant brackets				
	DS-2TE127-G4A					
		DS-1293ZJ-T	DS-1297ZJ	DS-2921ZJ-S	DS-2921ZJ-M	DS-2922ZJ
		Wall Mount	Pendant mount	Pendant Mount	Pendant Mount	Column Mount
		Hik white Aluminum alloy Φ88.5 mm	Hik white Aluminum alloy Φ120x2000mm 1035 g (2.28 lb.) Extendable Range 1.2 m to 2.0 m	Hik white Aluminum alloy Extendible, 0.6m - 1.2m	Hik white Aluminum alloy Extendible, 1.2m - 2.4m	Hik white Aluminum alloy Extendible, 1.4m - 2.4m

Product form	Model	Recommended brackets for Hikvision Thermal Camera		
		Relevant brackets		
	DS-2TP21B-6AVF/W			
		DS-3750DC	DS-5202ZC	DS-2907ZJ
		Handheld Battery	Charger Base with adapter	Tripod
				UNC 1/4"-20 Tripod connection

Power Adaptor

Power adaptor	Detail	Available Models
DC12V 1A Hikvision Brand	DS-2FA1201-DL,12V/1A,American standard,Φ2.1	Most IPC, analog camera and DS-2DE3/2xxx series mini PTZ models
	DS-2FA1201-DL,12V/1A,European standard,Φ2.1	
	DS-2FA1201-DL,12V/1A,Indian standard,Φ2.1	
DC12V 1A Hikvision Brand	ADS-12FG-12N 12012EPG,12V/1A,European standard,Two-wire, WHITE PACKAGE	Most IPC, analog camera and DS-2DE3/2xxx series mini PTZ models WHITE PACKAGE model is recommended for selling power adaptor alone, normal model is recommended for selling power adaptor with camera.
	ADS-12FG-12N 12012EPG,12V/1A,European standard,Φ2.1, WHITE PACKAGE	
	ADS-12FG-12N 12012EPCU,12V/1A,American standard,Two-wire, WHITE PACKAGE	
	ADS-12FG-12N 12012EPCU,12V/1A,American standard,Φ2.1, WHITE PACKAGE	
	ADS-12FG-12N 12012EPB,12V/1A,British standard,Two-wire, WHITE PACKAGE	
	ADS-12FG-12N 12012EPB,12V/1A,British standard,Φ2.1, WHITE PACKAGE	
DC12V 1.5A	MSA-C1500IC12.0-18P-US, DC12V/1.5A, American standard plug, Φ2.1	-
	MSA-C1500IC12.0-18P-DE, DC12V/1.5A, European standard plug, Φ2.1	
	MSA-C1500IC12.0-18P-GB, DC12V/1.5A, British standard plug, Φ2.1	
DC12V 2A	ADS-12FG-12N 12012EPCU,12V/1A,American standard,Φ2.1, WHITE PACKAGE	
	ADS-12FG-12N 12012EPB,12V/1A,British standard,Two-wire, WHITE PACKAGE	
	MSA-C2000IC12.0-24P-US,American standard,12V2A,Φ2.1	
Waterproof	DS-2PA1201-WRD, 12 VDC/1 A, Wall Mount	
SMPS	DS-2FA1225-D4(EUR), 4 Channels, 12 VDC/1 A per channel, European standard	
	DS-2FA1225-D4(IND), 4 Channels, 12 VDC/1 A per channel, Indian standard	
	DS-2FA1225-D4(UK), 4 Channels, 12 VDC/1 A per channel, British standard	
	DS-2FA1205-D8(EUR), 8 Channels, 12 VDC/1 A per channel, European standard	
	DS-2FA1205-D8(IND), 8 Channels, 12 VDC/1 A per channel, Indian standard	
	DS-2FA1205-D8(UK), 8 Channels, 12 VDC/1 A per channel, British standard	

Camera tester

-	-	
	IPC-4300H	Network camera tester, 4.3'' Screen, with ANSI/EN/BS/AS power supply, Support IP/CVBS/TVI(AHD/CVI) input

Pickup

	DS-2FP2020	Pickup range: 70 sq.m, Audio transmission distance: 3000 m, Frequency response: 20 Hz to 20 KHz, SNR: 60 dB(1m40 dB audio tone SPL) 40 dB (10m 40 dB audio tone SPL) 1 KHz at 1 Pa, Dynamic Range: 70 dB(1 KHz at Max dB SPL)
	DS-2FP4021-B	Pickup Scope: 60 m2 / continuously adjustable, Gain Adjustment Scope: 30 dB/ continuous, Pickup Direction: Full Directions /360°, Frequency Response: 100 Hz to 16 KHz(1 kHz @ 94 dB SPL), Dynamic Range: 85 dB, Output Impedance: 600 Ohm unbalanced
	DS-2FP2020	Pickup range: 70 sq.m, Audio transmission distance: 3000 m, Frequency response: 20 Hz to 20 KHz, SNR: 60 dB(1m40 dB audio tone SPL) 40 dB (10m 40 dB audio tone SPL) 1 KHz at 1 Pa, Dynamic Range: 70 dB(1 KHz at Max dB SPL)

DORI Distance (D/O/R/I)

NETWORK CAMERA

DeepinView Series

Find the Optimal Camera for Your Individual Security Needs

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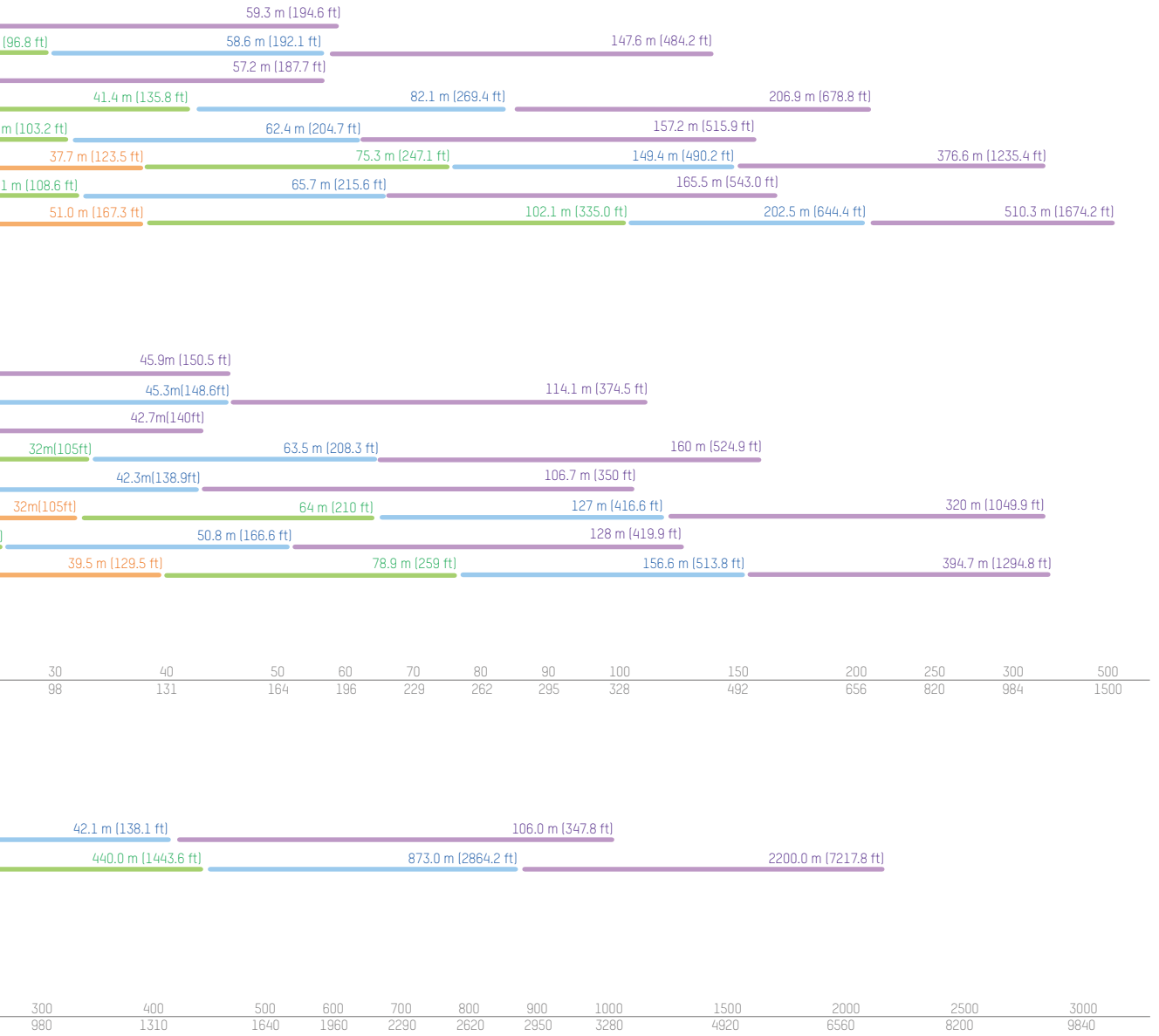
Find the Optimal Camera for Your Individual Security Needs

NETWORK CAMERA

DeepinView Series



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NETWORK CAMERA

Ultra Series

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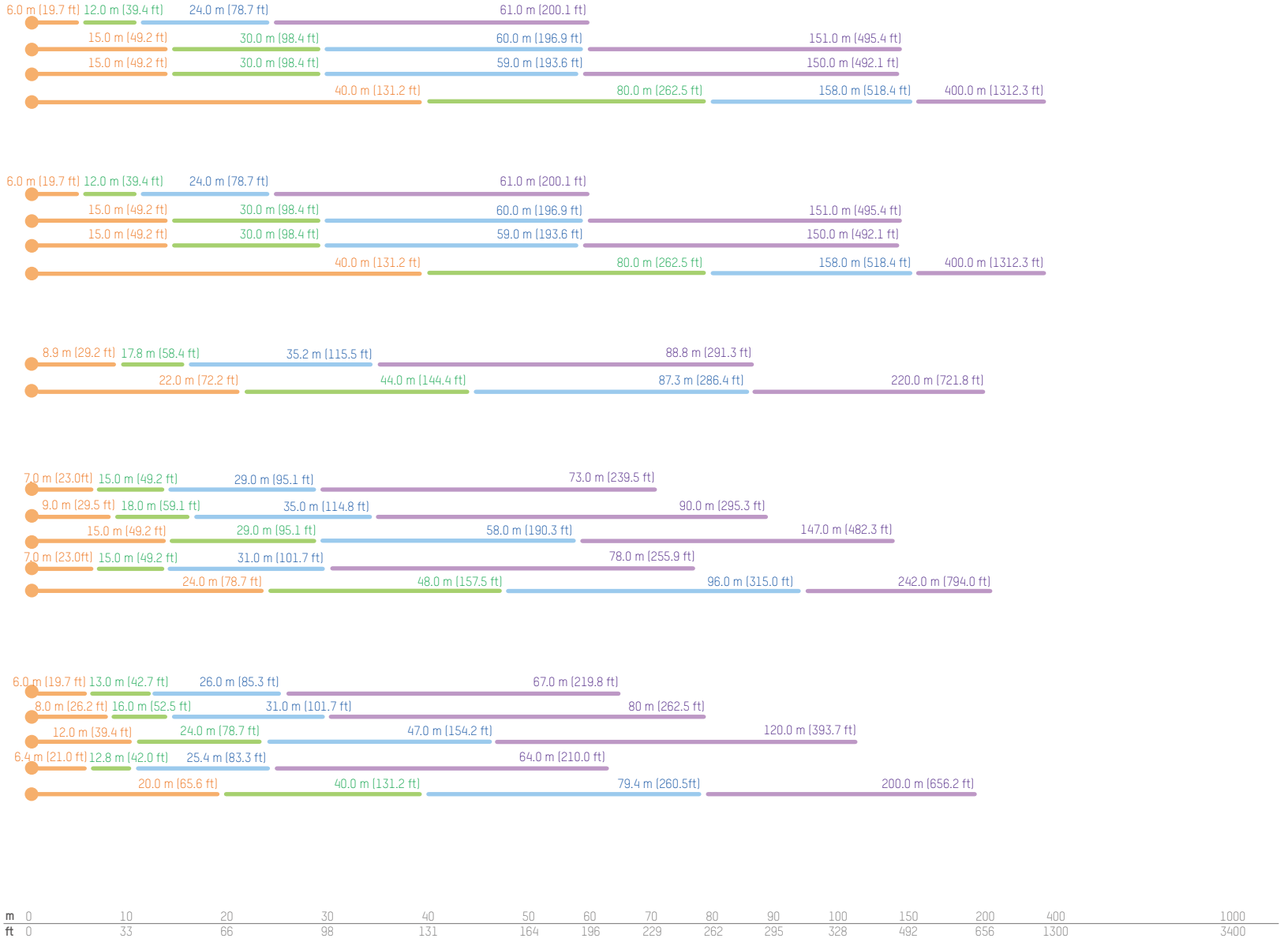
NETWORK CAMERA



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DORI Distance (D/O/R/I)

- Detect: 25 ppm
- Observe: 63 ppm
- Recognize: 125 ppm
- Identify: 250 ppm

NETWORK CAMERA

Ultra Series

3X23 Series

- 2.8 mm: 6.0 m (19.7 ft) 13.0 m (42.7 ft) 26.0 m (85.3 ft) 67.0 m (219.8 ft)
- 4 mm: 8.0 m (26.2 ft) 16.0 m (52.5 ft) 31.0 m (101.7 ft) 80 m (262.5 ft)
- 6 mm: 12.0 m (39.4 ft) 24.0 m (78.7 ft) 47.0 m (154.2 ft) 120.0 m (393.7 ft)
- 2.7-13.5 mm (W): 4.4 m (14.4 ft) 8.8 m (28.9 ft) 17.0 m (57.4 ft) 44.1 m (144.7 ft)
- 2.7-13.5 mm (T): 13.8 m (45.3 ft) 27.5 m (90.2 ft) 54.7 m (179.5 ft) 137.9 m (452.4 ft)

Special Series

Covert Series

- 2.8 mm: 4.4 m (14.3 ft) 8.7 m (28.6 ft) 17.3 m (56.8 ft) 43.6 m (143.2 ft)
- 3.7 mm: 5.1 m (16.7 ft) 10.4 m (34.1 ft) 20.1 m (65.9 ft) 56 m (183.7 ft)
- 4 mm: 5.8 m (19.1 ft) 11.6 m (38.2 ft) 23.1 m (75.7 ft) 58.2 m (190.9 ft)
- 6 mm: 8.7 m (28.6 ft) 17.5 m (57.3 ft) 34.6 m (113.6 ft) 87.3 m (286.3 ft)

Underwater Series

- 2 mm: 3.1 m (10.3 ft) 6.3 m (20.6 ft) 12.4 m (40.8 ft) 31.4 m (102.9 ft)
- 2.8 mm: 4.1 m (13.6 ft) 8.3 m (27.2 ft) 16.4 m (53.9 ft) 41.4 m (135.8 ft)
- 4 mm: 5.5 m (18.1 ft) 11 m (36.2 ft) 21.9 m (71.8 ft) 55.2 m (181 ft)

Solar-Powered Standalone Security Station

- 2.8 mm: 4.5 m (14.8 ft) 9.0 m (29.5 ft) 17.5 m (57.4 ft) 44.0 m (144.4 ft)
- 4 mm: 5.0 m (16.4 ft) 11.0 m (36.1 ft) 21.0 m (68.9 ft) 53.0 m (173.9 ft)
- 8 mm: 11.0 m (36.1 ft) 22.0 m (72.2 ft) 44.0 m (144.4 ft) 110.0 m (360.9ft)

PTZ

TandemVu PTZ

TandemVu PTZ

- DS-2SF8C442MXS-DLW (24F0) (PTZ lens): 296.6 m (973.1 ft) 593.1 m (1945.9 ft) 1176.8 m (3860.9 ft) 2965.5 m (9729.3 ft)
- DS-2SF8C442MXS-DLW (14F1) (PTZ lens): 296.6 m (973.1 ft) 593.1 m (1945.9 ft) 1176.8 m (3860.9 ft) 2965.5 m (9729.3 ft)
- DS-2SF8C425MXS-DLW (24F0) (PTZ lens): 185.5 m (608.6 ft) 371.0 m (1217.2ft) 736.2 m (2415.4 ft) 1855.2 m (6086.6 ft)
- DS-2SF8C425MXS-DLW (14F1) (PTZ lens): 185.5 m (608.6 ft) 371.0 m (1217.2ft) 736.2 m (2415.4 ft) 1855.2 m (6086.6 ft)
- DS-2SE7C432MW-AEB (14F1) (PTZ lens): 306.0 m (1004.0 ft) 612.0 m (2007.9 ft) 1214.3 m (3983.9 ft) 3060.0 m (10039.4 ft)
- DS-2SE7C425MW-AEB (14F1) (PTZ lens): 220.0 m (721.8 ft) 440.0 m (1443.6 ft) 873.0 m (2864.2 ft) 2200.0 m (7217.8 ft)
- DS-2SE7C144IW-AE (32x/4)(S5) (PTZ lens): 306.0 m (1004.0 ft) 612.0 m (2007.9 ft) 1214.3 m (3983.9 ft) 3060.0 m (10039.4 ft)
- DS-2SE7C124IW-AE (32x/4)(S5) (PTZ lens): 306.0 m (1004.0 ft) 612.0 m (2007.9 ft) 1214.3 m (3983.9 ft) 3060.0 m (10039.4 ft)

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DORI Distance (D/O/R/I)

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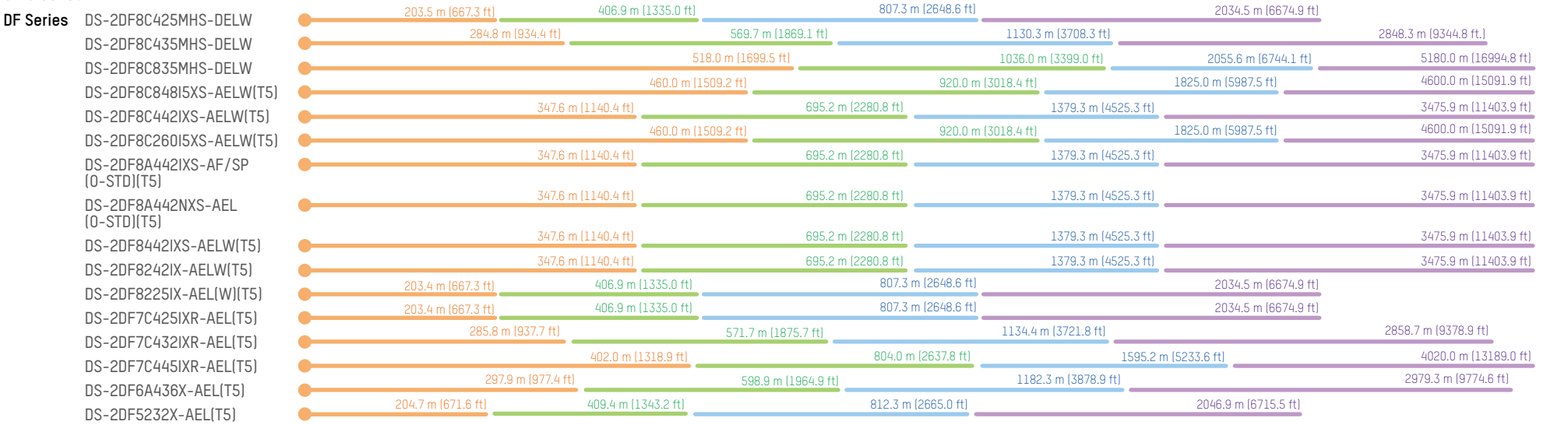
- Identify: 250 ppm

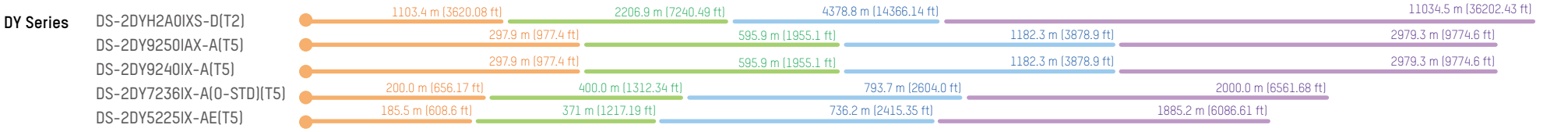
PTZ

Ultra Series



Pro Series

Positioning System



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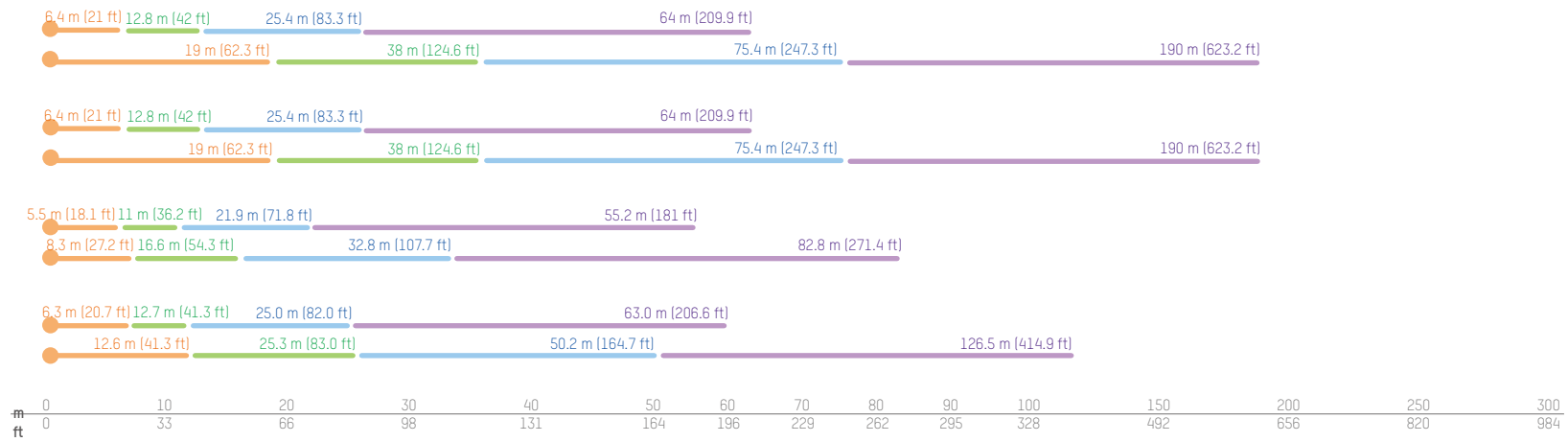
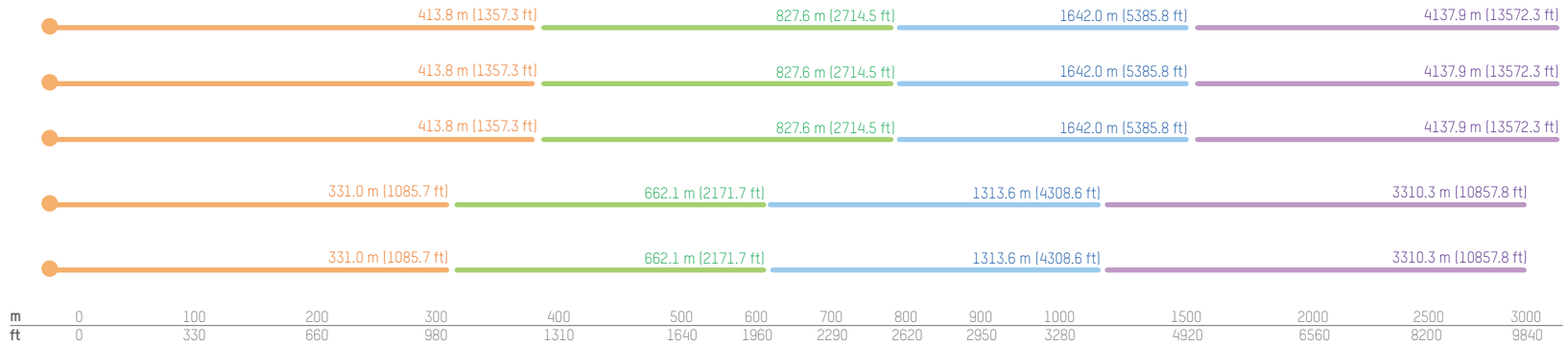
PANORAMIC CAMERA

PanoVu

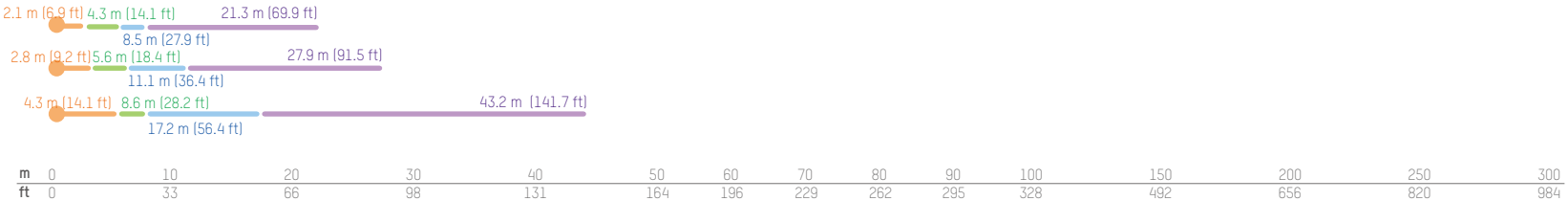


PANORAMIC CAMERA

PanoVu



Fisheye



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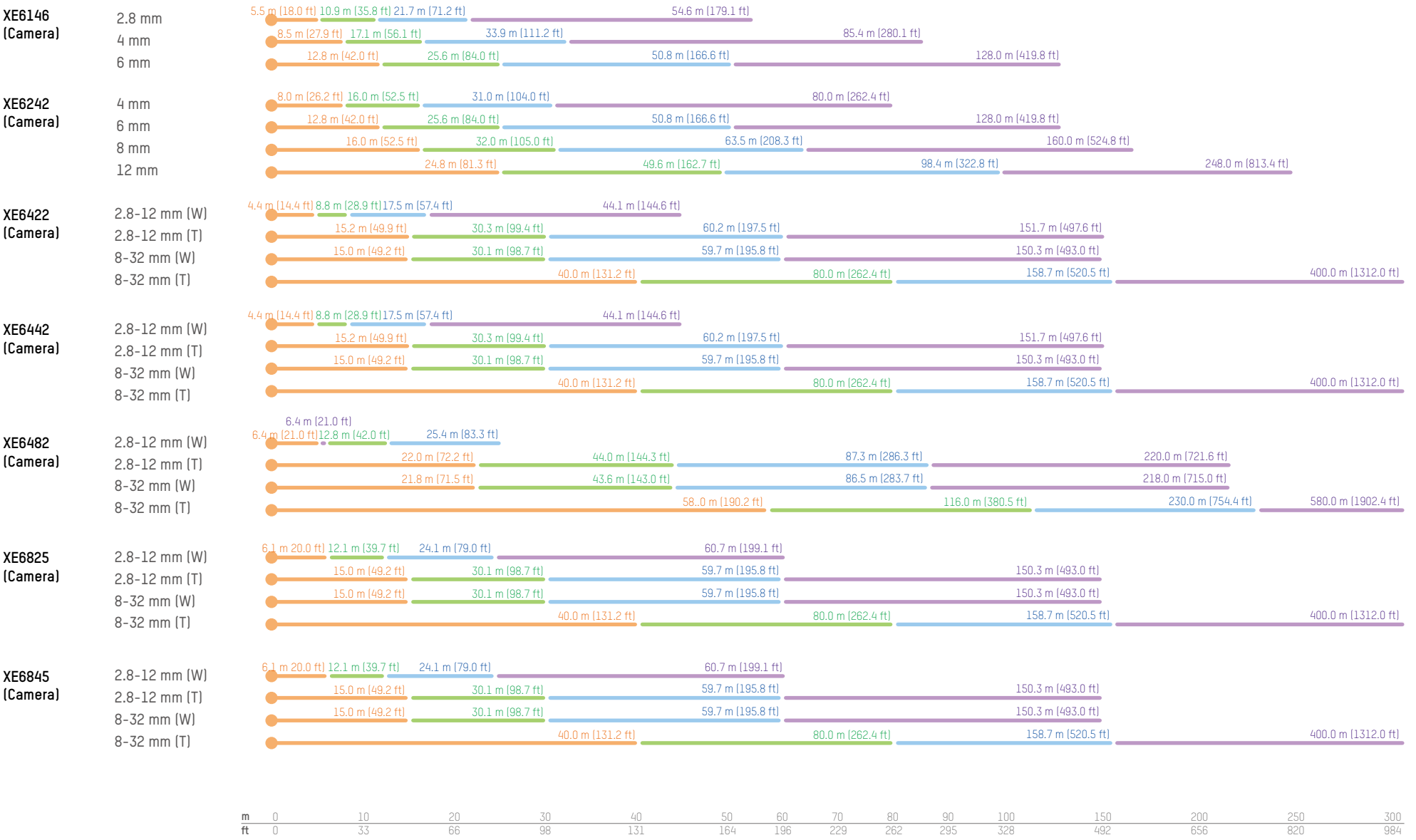
EXPLOSION-PROOF & ANTI-CORROSION

Explosion-Proof Series



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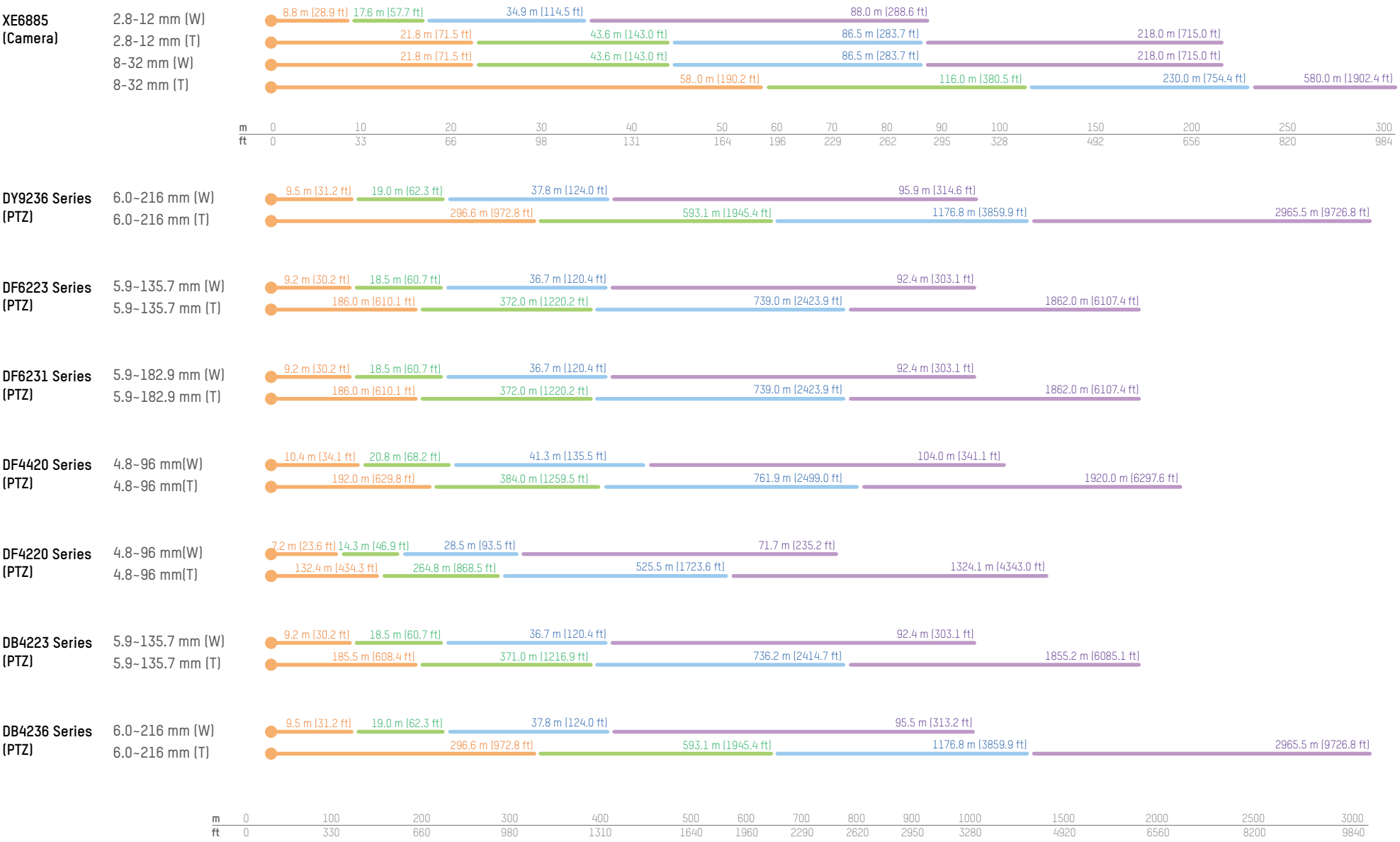
EXPLOSION-PROOF & ANTI-CORROSION

Explosion-Proof Series



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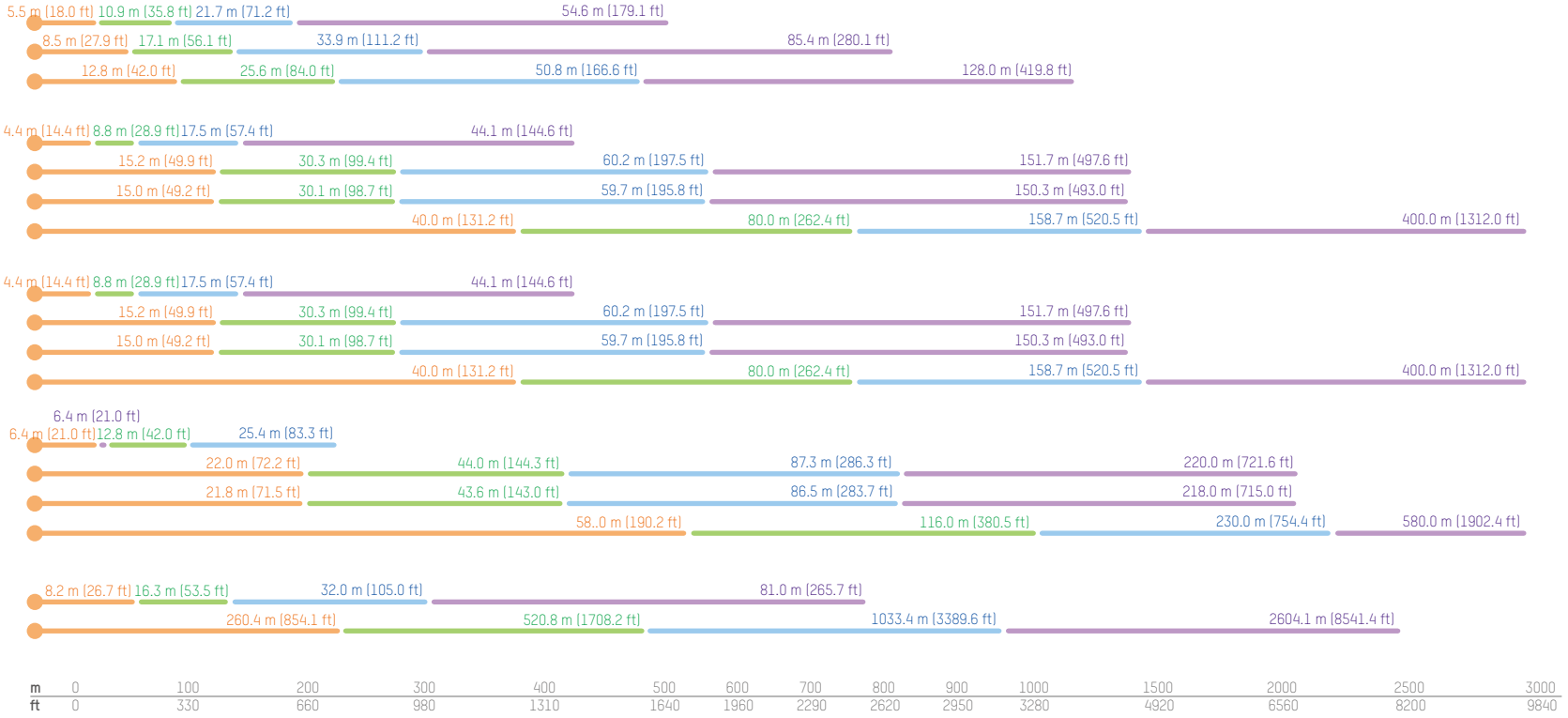
- Identify: 250 ppm

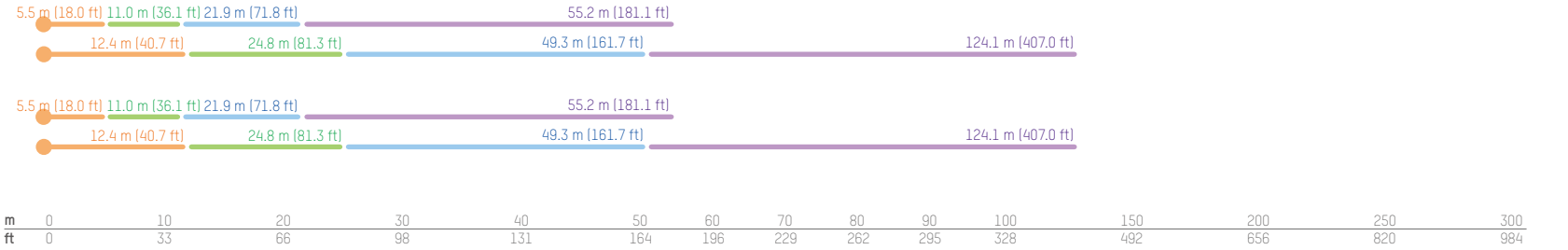
EXPLOSION-PROOF & ANTI-CORROSION

Anti-Corrosion Series



EXPLOSION-PROOF & ANTI-CORROSION

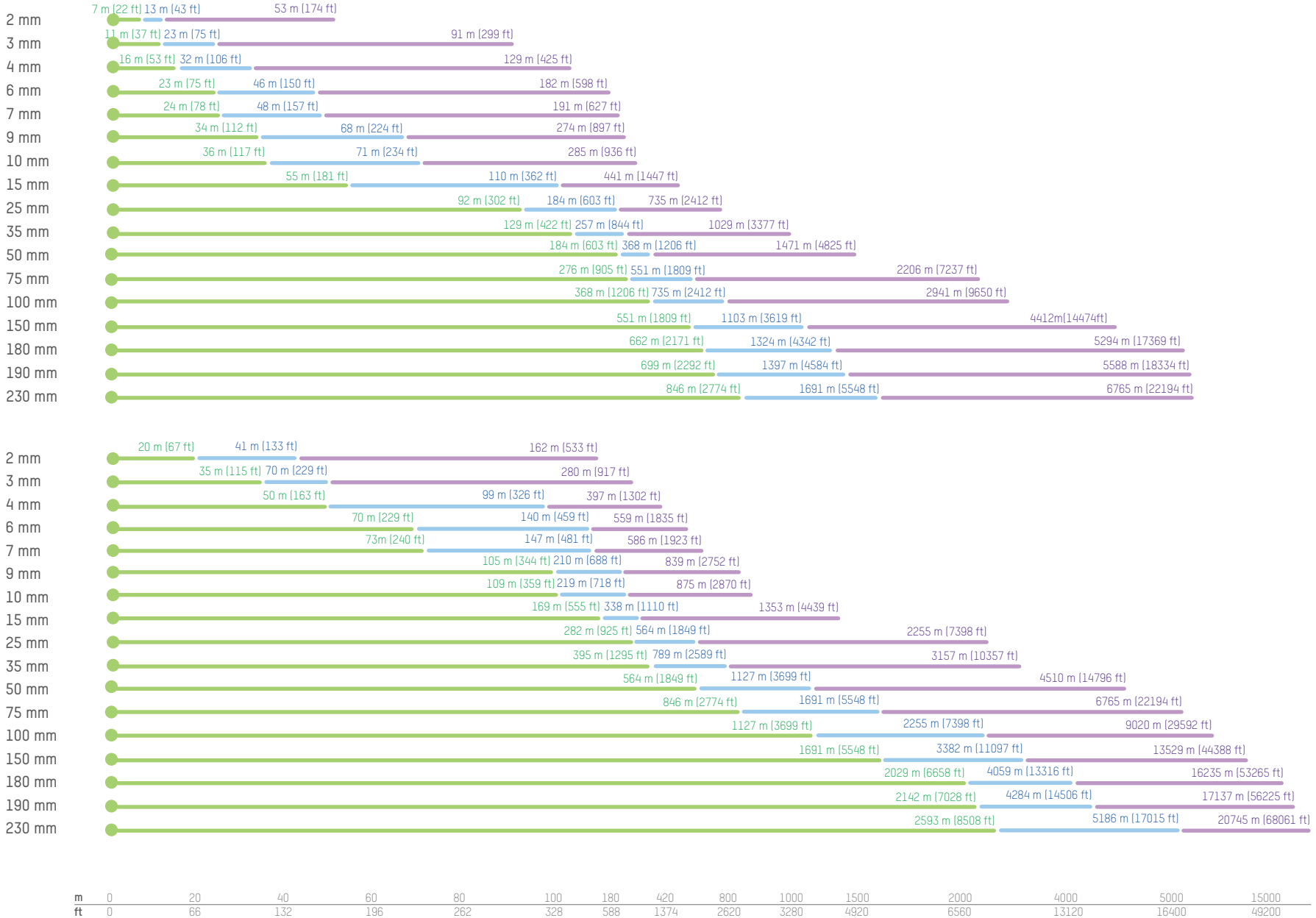
Underwater Camera



The DRI (Detection Recognition Identification) is defined in terms of the number of pixels on the object depend on a common standard, Johnson's criteria [http://en.wikipedia.org/wiki/Johnson's_criteria].

THERMAL

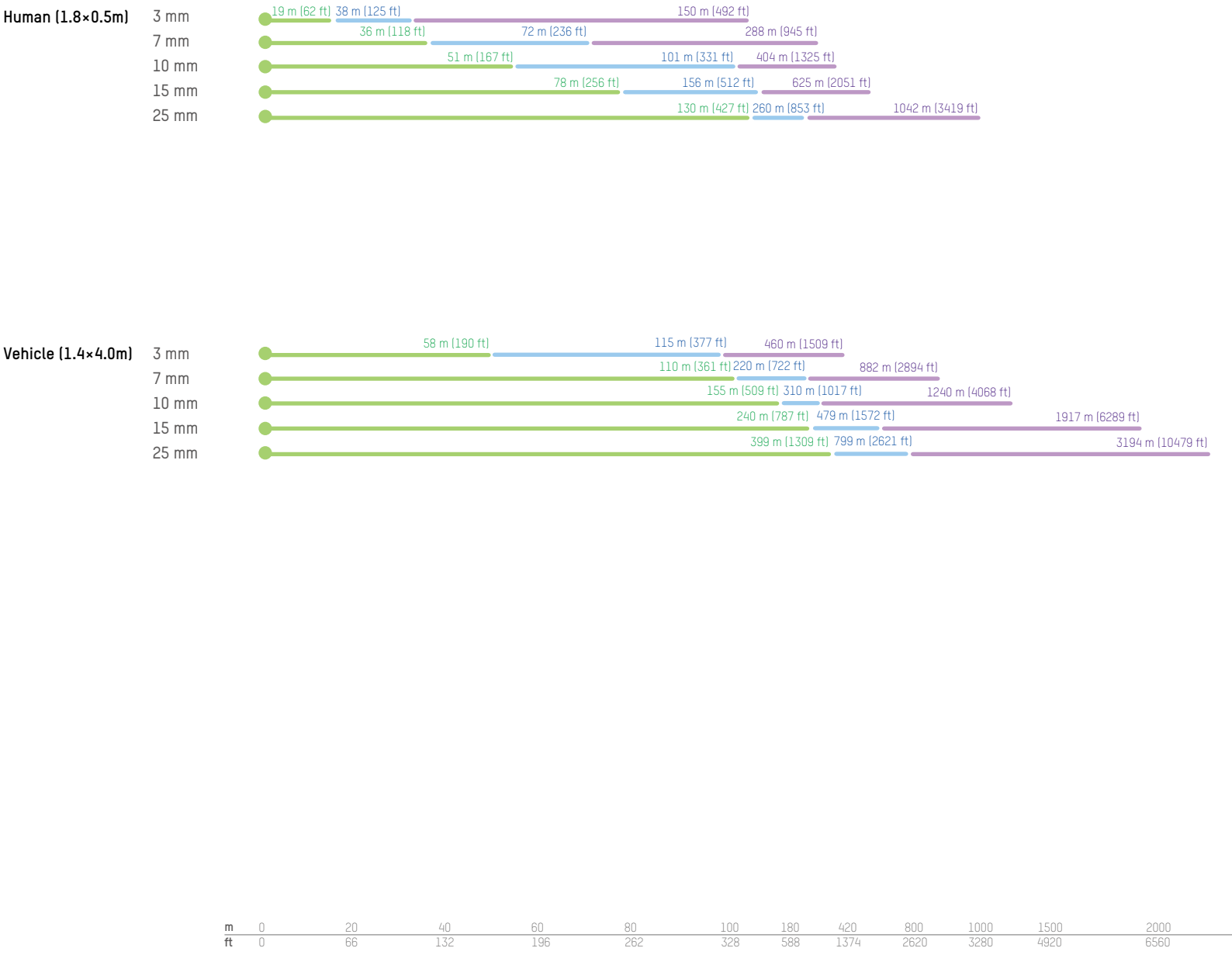
DS-2TDxxx7



The DRI (Detection Recognition Identification) is defined in terms of the number of pixels on the object depend on a common standard, Johnson's criteria [http://en.wikipedia.org/wiki/Johnson's_criteria].

THERMAL

DS-2TDxxx8



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