

DS-2DE4415IW-DE(T5) 4MP 15× IR Network Speed Dome

AcuSense



















Hikvision DS-2DE4415IW-DE(T5) 4MP 15 \times Network IR Speed Dome adopts 1/2.8" progressive scan CMOS chip. With the 15 \times optical zoom lens, the camera offers more details over expansive areas.

This series of cameras can be widely used for wide ranges of high-definition, such as the rivers, roads, railways, airports, squares, parks, scenic spots, and venues, etc.

Empowered by deep learning algorithms, Hikvision AcuSense technology brings human and vehicle targets classification alarms to front- and back-end devices. The system focuses on human and vehicle targets, vastly improving alarm efficiency and effectiveness.

- Focuses on human and vehicle targets classification based on deep learning
- Support face capture. Up to 5 faces captured at the same time
- 1/2.8" Progressive Scan CMOS
- High quality imaging with 4 MP resolution
- Excellent low-light performance with powered-by-DarkFighter technology
- 15× optical zoom and 16× digital zoom provide close up views over expansive areas
- Expansive night view with up to 100 m IR distance
- Support H.265+/H.265 video compression





DORI

The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view. It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

DORI	Detect	Observe	Recognize	Identify
Definition	25 px/m	63 px/m	125 px/m	250 px/m
Distance(Tele)	1320.0 m (4330.7 ft)	523.8 m (1718.5 ft)	264.0 m (866.1 ft)	132.0 m (433.1 ft)

Specification

Camera			
Image Sensor	1/2.8" progressive scan CMOS		
Min. Illumination	Color: 0.005Lux @ (F1.6, AGC ON); B/W: 0.001Lux @ (F1.6, AGC ON), 0 Lux with IR		
Shutter Speed	1/1 s to 1/30000 s		
Slow Shutter	Yes		
Day & Night	IR cut filter		
Zoom	15x optical, 16x digital		
Max. Resolution	2560 × 1440		
Lens			
Focus	Auto, semi-auto, manual		
Focal Length	5 mm to 75 mm		
Zoom Speed	Approx. 2.3 s		
	Horizontal field of view: 55° to 4° (wide-tele),		
FOV	Vertical field of view: 33° to 2.2° (wide-tele),		
	Diagonal field of view: 61.5° to 4.6° (wide-tele)		
Aperture	Max. F1.6		
Illuminator			
Supplement Light Type	IR		
Supplement Light Range	IR Distance: up to 100 m		
PTZ			
Movement Range (Pan)	360°		
Movement Range (Tilt)	-15° to 90° (auto flip)		
Pan Speed	Pan speed: configurable from 0.1° to 80°/s; preset speed: 80°/s		
Tilt Speed	Tilt speed: configurable from 0.1° to 80°/s, preset speed 80°/s		
Proportional Pan	Yes		
Presets	300		
Patrol Scan	8 patrols, up to 32 presets for each patrol		
Pattern Scan	4 pattern scans		
Power-off Memory	Yes		
Dark Astion	Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan,		
Park Action	panorama scan		
3D Positioning	Yes		
PTZ Status Display	Yes		
Preset Freezing	Yes		



Scheduled Task	Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan,		
	panorama scan, dome reboot, dome adjust, aux output		
Video			
Main Stream	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)		
	60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)		
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288)		
	60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)		
Third Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288)		
	60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)		
	Main stream: H.265+/H.265/H.264+/H.264		
Video Compression	Sub-stream: H.265/H.264/MJPEG		
	Third stream: H.265/H.264/MJPEG		
Video Bit Rate	32 kbps to 16384 kbps		
H.264 Type	Baseline profile/Main profile/High profile		
H.265 Type	Main profile		
Scalable Video Coding (SVC)	H.264 and H.265 encoding		
Region of Interest (ROI)	8 fixed regions for each stream		
Audio			
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM		
Audio Bit Rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32-192 Kbps (MP2L2)		
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz		
Environment Noise Filtering	Yes		
Network			
Network Storage	NAS (NFS, SMB/CIFS), auto network replenishment (ANR)		
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP,		
11000013	RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour, Websocket, Websockets		
API	Open Network Video Interface (Version 19.12, Profile S, Profile G, Profile T), ISAPI, SDK,		
,	ISUP		
Simultaneous Live View	Up to 20 channels		
User/Host	Up to 32 users, 3 user levels: administrator, operator, and user		
Smooth Streaming	Yes		
	Password protection, complicated password, HTTPS encryption, 802.1X authentication		
Security	(EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest		
Security	authentication for HTTP/HTTPS, RTP/RTSP over HTTPS, control timeout settings,		
	security audit log, TLS 1.2, TLS 1.3, host authentication (MAC address)		
Client	iVMS-4200, HikCentral Pro, Hik-Connect		
Web Browser	Chrome 57.0+, Firefox 52.0+, Safari 11+, IE11		
Image			
Image Parameters Switch	Yes		
Day/Night Switch	Day, Night, Auto, Schedule		
Image Enhancement	BLC, HLC, 3D DNR		
Wide Dynamic Range (WDR)	120 dB		
Defog	Digital defog		
Image Stabilization	EIS		
Regional Exposure	Yes		



Regional Focus	Yes		
Imaga Sattings	Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by		
Image Settings	client software or web browser		
Privacy Mask	24 programmable polygon privacy masks, mask color or mosaic configurable		
SNR	> 52 dB		
Interface			
Ethernet Interface	1 RJ45 10M/100M self-adaptive Ethernet port		
On-board Storage	Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB		
Alarm	1 input, 1 output		
۸ا	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 k Ω ± 10%;		
Audio	1 output (line out), line level, output impedance: 600 Ω		
Reset	Yes		
Event			
Basic Event	Motion detection, video tampering alarm, exception, alarm input and output		
	Line crossing detection, intrusion detection, region entrance detection, region exiting		
Smart Event	detection, unattended baggage detection, object removal detection, audio exception		
	detection		
A1 1.1	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm		
Alarm Linkage	output, trigger recording, and PTZ actions (such as preset, patrol scan, pattern scan)		
Deep Learning Function			
	Detects up to 5 faces simultaneously.		
Face Capture	Supports detecting, capturing, grading, selecting of face in motion, and output the best		
	face picture of the face		
Davina atau Duata atia a	Line crossing, intrusion, region entrance, region exiting		
Perimeter Protection	Support alarm triggering by specified target types (human and vehicle)		
General			
Demist	Yes		
Davies	12 VDC, max. 18 W, including max. 1.6 W for heater and 9 W for IR;		
Power	PoE (802.3at)		
Operating Condition	-30 °C to 65 °C (-22 °F to 149 °F). Humidity 90% or less (non-condensing)		
Material	ADC12		
Dimension	Ø 164.5 mm × 290 mm (Ø 6.48" × 11.42")		
Weight	Approx. 2 kg (4.41 lb)		
Approval			
	FCC SDoC (47 CFR Part 15, Subpart B);		
	CE-EMC (EN 55032: 2015, EN 61000-3-2: 2019, EN 61000-3-3: 2013, EN 50130-4: 2011		
ENAC.	+A1: 2014);		
EMC	RCM (AS/NZS CISPR 32: 2015);		
	IC VoC (ICES-003: Issue 6, 2019);		
	KC (KN 32: 2015, KN 35: 2015)		
	UL (UL 62368-1);		
	CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014);		
Safety	CE-LVD (EN 62368-1:2014+A11:2017);		
	BIS (IS 13252(Part 1):2010+A1:2013+A2:2015);		
	LOA (SANS IEC60950-1)		



Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)	
Protection	IP66 (IEC 60529-2013), TVS 6000V lightning protection, surge protection and voltage transient protection	

Available Model

DS-2DE4415IW-DE(T5)

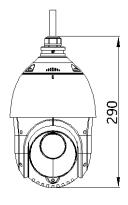
Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

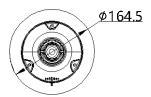
This model has NO SPECIFIC PROTECTION.

Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion
	protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion
	demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away
	from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion
	protection is needed.

Dimension







Unit:mm



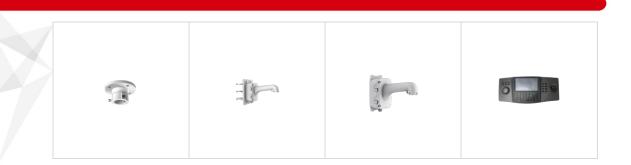
- Accessory
- Included



Optional

Optional				
DS-1602ZJ	DS-1673ZJ	DS-1671ZJ-SDM9	DS-1604ZJ-corner	DS-1604ZJ
DS-1604ZJ-pole	DS-1682ZJ	DS-1604ZJ-BOX- CORNER	DS-1681ZJ	DS-1661ZJ
			b	I
DS-1667ZJ	DS-1005KI	DS-1619ZJ	DS-1660ZJ	DS-1662ZJ
Ţ				
DS-1663ZJ	DS-1604ZJ-BOX- POLE	DS-1604ZJ-box	DS-1100KI	









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