

iDS-2CD7086G0(-AP) 8 MP Box Network Camera

DarkFighter



▪ DeepinView^{series}

- High quality imaging with 8 MP resolution
- Clear imaging against strong back light due to 120 dB WDR technology
- Efficient H.265+ compression technology to save bandwidth and storage
- Advanced streaming technology that enables smooth live view and data self-correcting in poor network
- 5 streams and up to 5 custom streams to meet a wide variety of applications
- Built-in microphone for real-time audio security



▪ Function

Face Recognition

With embedded deep learning based algorithms, the camera is able to give the best shot of a target face through detecting, tracking, capturing, grading and selecting. The camera captures the face and outputs the features, such as gender, age, and expression.

The camera uses face exposure function to dynamically adjust face area exposure of captures and ensures high face picture quality.

Perimeter Protection

With embedded deep learning based target detection and classification algorithms, the camera carries out the duty of perimeter protection, monitoring the actions of line crossing, intrusion, region entrance, and region exiting. The algorithms greatly filter out the mistaken alarm caused by the interference of leaves, lights, animal, flag, etc.

Multi-Target-Type Recognition

With the embedded deep learning algorithms, the camera detects and captures the face, human body, vehicle in the specified region and outputs the features, such as gender, age, top color, and vehicle type.

▪ Specification

Camera	
Max. Resolution	3840 × 2160
Min. Illumination	Color: 0.002 Lux @ (F1.2, AGC ON) B/W: 0.0002 Lux @ (F1.2, AGC ON)
Image Sensor	1/1.8" Progressive Scan CMOS
Day & Night	IR cut filter Blue glass module to reduce ghost phenomenon
Shutter Speed	1 s to 1/100,000 s
Lens	
Lens Mount	CS mount
ABF	Yes
Video	
Main Stream	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)
Video Bit Rate	32 Kbps to 16 Mbps
Fourth Stream	50 Hz: 25 fps (704 × 480, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)
Fifth Stream	50 Hz: 25 fps (704 × 480, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Baseline Profile/Main Profile/High Profile
Bit Rate Control	CBR/VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	4 fixed regions for main stream, sub-stream, third stream, fourth stream and fifth stream
Target Cropping	Yes
Sub-Stream	50 Hz: 25 fps (704 × 480, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)
Third Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Audio	
Audio Type	Mono sound
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/AAC/MP3
Audio Bit Rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/16 to 64 Kbps (AAC) /8 to 320 Kbps (MP3)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Environment Noise Filtering	Yes
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, SRTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS
Simultaneous Live View	Up to 20 channels
API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, ISUP

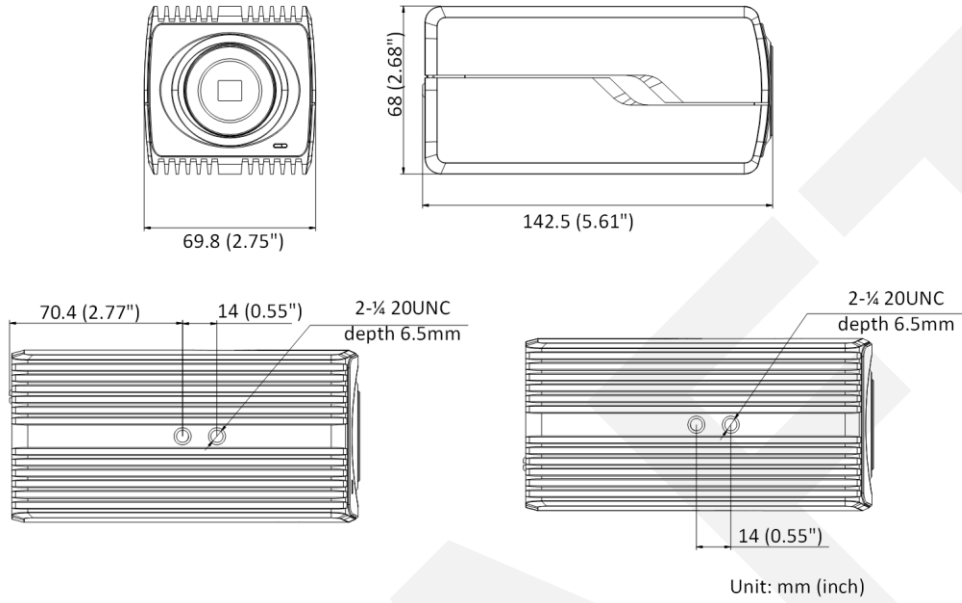
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log, TLS 1.2
Network Storage	NAS (NFS, SMB/CIFS), auto network replenishment (ANR) Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Client	iVMS-4200, Hik-Connect
Web Browser	Plug-in required live view: IE9+, Chrome 41.0 to 44, Firefox 30.0 to 51, Safari 8.0 to 11 Plug-in free live view: Chrome 45.0+, Firefox 52.0+ Not recommended: Safari 11+, Edg
Image	
Wide Dynamic Range (WDR)	120dB
Image Parameters Switch	Yes
Image Settings	Saturation, brightness, contrast, sharpness, white balance, and AGC adjustable by client software or web browser
Day/Night Switch	Day, Night, Auto, Schedule, Alarm Trigger
Defog	Yes
Image Enhancement	BLC, HLC, Defog, Digital DNR
Privacy Mask	8 programmable polygon privacy masks, mask color or mosaic configurable
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24bit bmp format
Target Cropping	Yes
Interface	
Audio	1 input (line in), 1 output (line out), 3.5 mm connector, 1 built-in microphone
Alarm	2 inputs, 2 outputs (max. 24 VDC, 1A)
RS-485	1 RS-485 (half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
Reset Key	Yes
Power Output	12 VDC, max. 100 mA
Video Output	1 Vp-p Composite Output (75Ω/CVBS) (Only for debugging)
On-Board Storage	Built-in memory card slot, support microSD/SDHC/SDXC/TF card, up to 256 GB
Ethernet Interface	1 RJ45 100 M/1000 M self-adaptive Ethernet port
Event	
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error) , video quality diagnosis
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, audio exception detection, scene change detection, defocus detection
Deep Learning Function	
Face Capture	1. Detects up to 40 faces simultaneously 2. Supports swing left and right from -60° to 60°, tilt up and down from -30° to 30° 3. Uploads face with background and closed-up face pictures
Face Comparison	Up to 10 face libraries. 150,000 faces for each library. 150,000 faces in total. Supports face library encryption

Perimeter Protection	Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)
Multi-target-type Detection	Supports simultaneous detection and capture of human body, face and vehicle Gets 7 face features, 13 human body features and 2 vehicle features
General	
Language	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
Camera Dimension	142.5 × 69.8 × 68 mm (5.61" × 2.75" × 2.68")
Package Dimension	315 × 140 × 140 mm (12.4" × 5.51" × 5.51")
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Power Consumption and Current	With F11: 12 VDC ± 20%, two-core terminal block, 0.95 A, max. 11.3 W 24 VAC ± 20%, two-core terminal block, 0.49 A, max. 11.6 W PoE: 802.3af, Type 1, Class 3, 36 V to 57 V, 0.35 A to 0.22 A, max. 12.3 W Without /F11: 12 VDC ± 20%, two-core terminal block, 0.9A, max,10.8 W 24 VAC ± 20%, two-core terminal block, 0.44 A, max. 10.4 W PoE: 802.3af, Type 1, Class 3, 36 V to 57 V, 0.33 A to 0.21 A, max. 11.6 W
Camera Weight	Approx. 730g (1.96 lb.)
With Package Weight	Approx. 1115g (2.99 lb.)
General Function	Heartbeat, mirror, passwor protection, watermark, privacy mask, IP address filter, one-key reset, five streams
Approval	
EMC	FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2:2019, EEN 61000-3-3:2013+A1:2019, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 7); KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 62368-1); CB (IEC 62368-1:2014+A11); CE-LVD (EN 62368-1:2014/A11:2017); BIS (IS 13252(Part 1):2010/ IEC 60950-1 : 2005); LOA (IEC/EN 60950-1)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Fiber Optical	
Fiber Type	With /F11: 1 LC fiber optical interface, SFP module, single mode, 20 km transmission distance, 1310 nm (TX) and 1550 nm (RX), 155 Mbps transmission rate

▪ **Available Model**














iDS-2CD7086G0-AP

▪ **Dimension**



▪ **Accessory**

▪ **Optional**

<p>DS-1332HZ Indoor Housing</p>	<p>HV1140P-8MPIR Mega-pixel P-Iris Lens</p>	<p>HV3816D-8MPIR Mega-pixel Auto-Iris Lens</p>	<p>DS-2202ZJ Wall mount</p>	<p>HV3816P-8MPIR Mega-pixel P-Iris Lens</p>
				
<p>DS-1293ZJ Wall mount</p>	<p>DS-1331HZ-B Outdoor Housing</p>	<p>DS-1299ZJ Pendant Mount</p>	<p>HV1140D-8MPIR Mega-pixel Auto-Iris Lens</p>	<p>DS-1233ZJ Pendant Mount</p>
				
<p>DS-1214ZJ Horizontal pole mount</p>	<p>DS-1292ZJ Wall mount</p>	<p>DS-1269ZJ Pendant Mount</p>		
				

Distributed by

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