

iDS-2CD75C5G0-IZHSY 2.8–12 mm 12 MP IR Varifocal Dome Network Camera



DeepinView^{series}

- 12 MP Resolution
- 2.8 mm–12 mm Varifocal Lens
- DWDR for Clear Images Against Backlight
- H.265+ Compression
- Smooth Live View and Data Self-Correcting
- 5 Streams + Up to 5 Custom Streams
- Water/Dust Resistant (IP67), Vandalproof (IK10)
- Anti-IR Reflection Bubble

Attribute-Based People Counting

Embedded deep learning algorithms integrate multiple intelligences. They count people, sample face features, and identify people who pass repeatedly over a period of time. They count persons and send a face alarm for entrance control and people counting.

Hard Hat Detection

Embedded deep learning algorithms detect persons in a specified region. They detect if the person is wearing a hard hat and captures the person's head and sends an alarm if not.

Multi-Target-Type Detection

Embedded deep learning algorithms detect and capture the face and human body in specified regions and outputs features such as gender, age, and top color. It supports a structured modeling of the face and human body to achieve structured data collection.

Queue Management

Embedded deep learning based algorithms detect queued people number and waiting times. The body feature detection algorithm filters out wrong targets and increases detection accuracy.

Metadata

Metadata uses individual application data instances or the data content. Metadata can be used for third-party application development.

Smooth Streaming

Smooth streaming improves video quality in different network conditions. For example, in poor network conditions, adapting to the detected real-time network condition, streaming bit rate and resolution are automatically adjusted to avoid mosaic and lower latency in live view; in multiplayer network conditions, the camera transmits redundant data for self-error correcting in back-end device to solve mosaic problems because of packet loss and error rate.

Anti-Corrosion Coating

The camera adopts high weatherproof and wearproof molding powder that conforms to AAMA2604-02 and Qualicoat (Class2) specifications, and uses two-layer special



spraying technology, so its surface has excellent

long-term anti-corrosion performance and physical protection function. Besides, all the exposed screws use SUS316 material and features high anti-corrosion performance. Therefore, the whole camera meets anti-corrosion requirements

NEMA 250-2018.

Available Models

iDS-2CD75C560-IZHSY 2.8-12 mm: RS-485, anti-corrosion

Specifications

iDS-2CD75C560-IZHSY 2.8-12 mm		
Camera		
Minimum Illumination (AGC on)	Image Sensor	1/1.7" progressive scan CMOS
	Color @ $f/1.2$	0.009 lux
	B/W @ $f/1.2$	0.0009 lux
	Color @ $f/2.5$	0.039 lux
	B/W @ $f/2.5$	0.0039 lux
	Shutter Speed	1 s to 1/100,000 s
	Slow Shutter	Yes
	P/N	P/N
	Wide Dynamic Range	Digital WDR
	Day/Night	IR cut filter
	Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
	Power-Off Memory	Yes
	Flash Memory	8 GB
	RAM	2 GB
Lens		
	Focus	Auto, semi-auto, manual
	Lens	2.8 mm to 12 mm
FOV	Horizontal	96° to 46.2°
	Vertical	69.2° to 27.2°
	Diagonal	131° to 45.2°
	Aperture	$f/1.2$ to $f/2.5$
	Lens Mount	Integrated
	Blue Glass Module	Blue glass module to reduce ghost phenomenon
	P-Iris	Yes
Illuminator		
	IR Range	98 ft (30 m)
	Wavelength	850 nm
	Smart Supplement Light	Yes
Video		
	Maximum Resolution	4000 × 3000
Main Stream	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)
Sub Stream	50 Hz: 25 fps	(704 × 576, 640 × 480)
	60 Hz: 30 fps	(704 × 480, 640 × 480)
Third Stream	50 Hz: 25 fps	(1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)
	60 Hz: 30 fps	(1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Fourth Stream	50 Hz: 25 fps	(1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)
	60 Hz: 30 fps	(1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Fifth Stream	50 Hz: 25 fps	(704 × 576, 640 × 480)
	60 Hz: 30 fps	(704 × 480, 640 × 480)
Custom Stream	50 Hz: 25 fps	(1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)
	60 Hz: 30 fps	(1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
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	
	Video Bit Rate	32 Kbps to 16 Mbps
	H.264 Type	Baseline Profile/Main Profile/High Profile
	H.265 Type	Main Profile
	H.264+	Main Stream supports
	H.265+	Main Stream supports
	Bit Rate Control	CBR/VBR
	Stream Type	Main stream/sub-stream/third stream/fourth stream/fifth stream/custom stream
	Scalable Video Coding (SVC)	H.265 and H.264 support
	Region of Interest (ROI)	4 fixed regions for each stream



Specifications (continued)

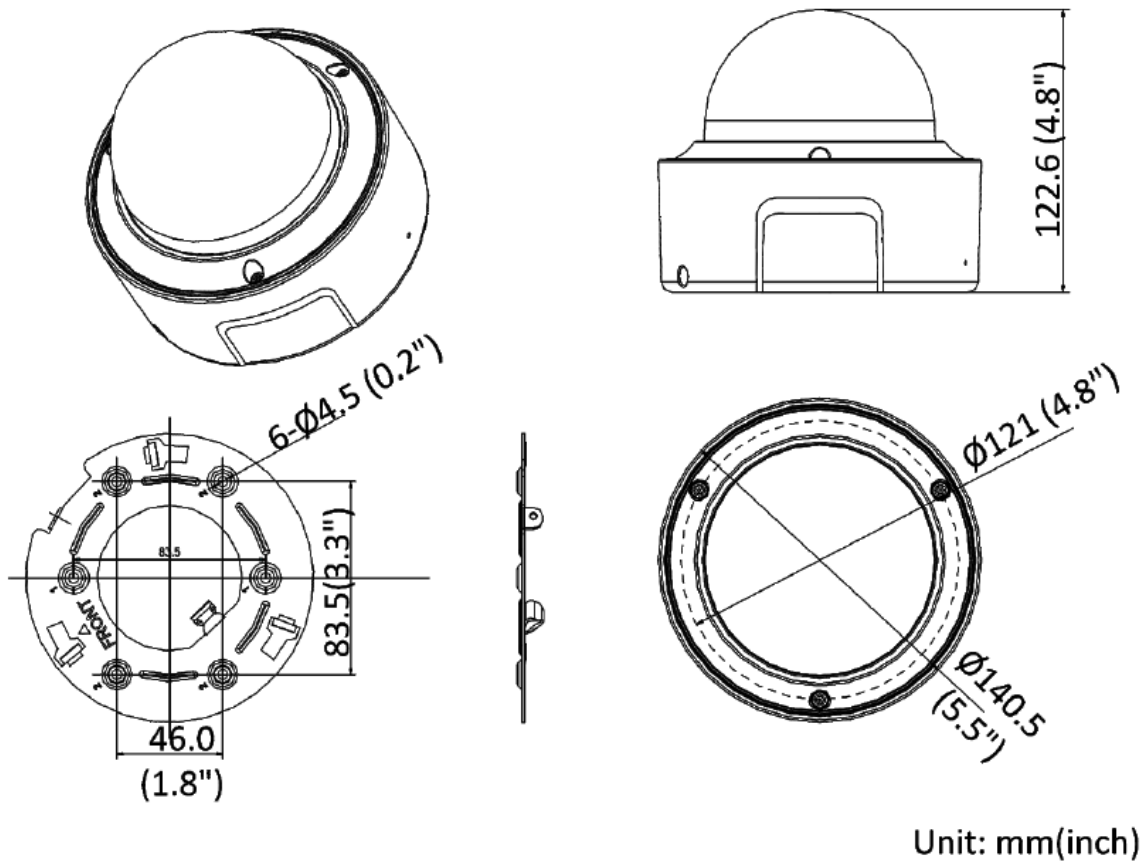
	iDS-2CD75C560-IZHSY 2.8–12mm
Audio	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3
Audio Bit Rate	64 Kbps [G.711]/16 Kbps [G.722.1]/16 Kbps [G.726]/32–192 Kbps [MP2L2]/32 Kbps [PCM]/8–320 Kbps [MP3]
Audio Type	Mono sound
Network	
Simultaneous Live View	Up to 20 channels
API	ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, ISUP
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
Smooth Streaming	Yes
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, digest authentication for ONVIF, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log, TLS 1.2
Network Storage	MicroSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR); with high-end Hikvision memory card, memory card encryption and health detection supported
Client	iVMS-4200, Hik-Connect, HikCentral
Web Browser	Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+
Image	
Smart IR	Camera IR LEDs should support Smart IR function to automatically adjust power to avoid image overexposure
Day/Night Switch	Day, Night, Auto, Schedule, Triggered by Alarm In
Target Cropping	Yes
Picture Overlay	Logo picture can be overlaid on video with 128 × 128 24-bit bmp format
Image Enhancement	BLC, HLC, 3D DNR, Defog, EIS, Distortion Correction
Image Parameters Switch	Yes
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or Web browser
SNR	≥52 dB
Interface	
Alarm	1 input, 1 output (maximum 24 VDC, 1 A)
Audio	1 input (line in), 3.5 mm connector, maximum input amplitude: 3.3 vpp, input impedance: 4.7K Ω, interface type: non-equilibrium; 1 output (line out), 3.5 mm connector, maximum output amplitude: 3.3 vpp, output impedance: 100 Ω, interface type: non-equilibrium, mono sound, 1 built-in microphone
RS-485	1 RS-485 (half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
Video Output	1 Vp-p composite output (75 Ω/CVBS) (only for debug)
On-Board Storage	Built-in microSD/SDHC/SDXC slot, up to 256 GB
Hardware Reset	Yes
Communication Interface	1 RJ-45 10M/100M/1000M self-adaptive Ethernet port
Power Output	12 VDC, maximum 200 mA (supported by all power supply types)
Smart Features	
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Smart Event	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, audio exception detection, defocus detection
Counting	Yes
Intelligent (Deep Learning Algorithm)	
Multi-Target Detection	Simultaneous detection of human body and face, gets 8 face features and 13 human body features
Attribute-Based People Counting	Entering/exiting counting (track 30 targets simultaneously); identifies people who pass repeatedly over a period of time
Hard Hat Detection	Detects up to 30 human targets simultaneously, supports up to 4 shield regions
Queue Management	Detects queuing-up people number and waiting time of each person, generates reports to compare the efficiency of different queuing-ups and displays changing status of one queue, raw data export for further analysis
Premier Protection	Line crossing, intrusion, region entrance, region exiting, alarm trigger by specified target types (human, vehicle), filter out mistaken alarm caused by target types such as leaf, light, animal, flag, etc.



Specifications (continued)

IDS-2CD75C5G0-IZHSY 2.8-12 mm	
General	
Linkage Method	Upload to FTP/NAS/memory card, notify surveillance center, send e-mail, trigger alarm output, trigger recording, trigger capture; trigger recording: memory card, network storage, pre-record and post-record trigger captured pictures uploading: FTP, SFTP, HTTP, NAS, e-mail; trigger notification: HTTP, ISAPI, alarm output, e-mail
Online Upgrade	Yes
Dual Backup	Yes
Web Client 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
General Function	Anti-flicker, 5 streams and up to 5 custom streams, EPTZ, heartbeat, mirror, privacy masks, flash log, password reset via e-mail, pixel counter
Software Reset	Yes
Storage Conditions	-30° to 60° C (-22° to 140° F), humidity 95% or less (non-condensing)
Startup/Operating Conditions	-30° to 60° C (-22° to 140° F)
Power Supply	12 VDC ±20%
	24 VAC ±20%
	PoE
Power Consumption, Current	802.3at, Type 2, Class 4
	12 VDC, 1.16 A, maximum 13.9 W
	PoE (802.3at, 42.5 V to 57 V), 0.33 A to 0.25 A, class 4 (*extra load is extra device connected to and powered by camera)
	Without Extra Load
Power Interface	12 VDC, 0.98 A, maximum 12.5 W
	PoE (802.3at, 42.5 V to 57 V), 0.3 A to 0.22 A, class 4
Camera Material	Three-core terminal block
Camera Dimension	Aluminum alloy body
Package Dimension	Ø140.5 mm × 122.6 mm (Ø5.5" × 4.8")
Camera Weight	244 mm × 174 mm × 173 mm (9.6" × 6.9" × 6.8")
With Package Weight	Approximately 1550 g (3.4 lb)
Metadata	
Metadata	Approximately 2206 g (4.9 lb)
Approvals	
Class	Class B
EMC	FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IK10 (IEC 62262:2002)
Anti-Corrosion Protection	NEMA 4X (NEMA 250-2018)

Dimensions



Accessories

NOT INCLUDED			
			
DS-1475ZJ-Y Vertical Mount	DS-1471ZJ-155-Y Pendant Mount	DS-1473ZJ-155-Y Wall Mount	DS-1476ZJ-Y Corner Mount