

iDS-2CD71C5G0-IZS 2.8–12 mm 12 MP IR Varifocal Dome Network Camera



DeepinView^{series}

- High Quality Imaging with 12 MP Resolution
- 2.8 mm–12 mm Varifocal Lens
- Clear Imaging Against Strong Backlight Due to DWDR Technology
- H.265+ Compression
- Smooth Live View and Data Self-Correcting
- 5 Streams and Up to 5 Custom Streams To Meet a Wide Variety of Applications
- Vandalproof (IK10)

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.

Specifications

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

With embedded deep learning based algorithms, the camera detects 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.

Available Models

iDS-2CD71C5G0-IZS 2.8–12 mm



iDS-2CD71C5G0-IZS 2.8–12 mm

Camera		
Image Sensor	1/1.7" progressive scan CMOS	
Minimum Illumination	2.8 mm to 12 mm (f/1.2 to f/2.5)	Color: 0.009 lux @ (f/1.2, AGC on); B/W: 0.0009 lux @ (f/1.2, AGC on) Color: 0.039 lux @ (f/2.5, AGC on); B/W: 0.0039 lux @ (f/1.2, AGC on)
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 Type and 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°	
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)	
Sub Stream	50 Hz: 20 fps (4000 × 3000)	
	60 Hz: 20 fps (4000 × 3000)	
Third Stream	50 Hz: 25 fps (704 × 576, 640 × 480)	
	60 Hz: 30 fps (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 (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)	
	60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)	
Custom Stream	50 Hz: 25 fps (704 × 576, 640 × 480)	
	60 Hz: 30 fps (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	
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 and digest authentication for ONVIF, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log, TLS 1.2	

Specifications (continued)

iDS-2CD71C560-IZS 2.8-12 mm	
Network (continued)	
Network Storage	MicroSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment

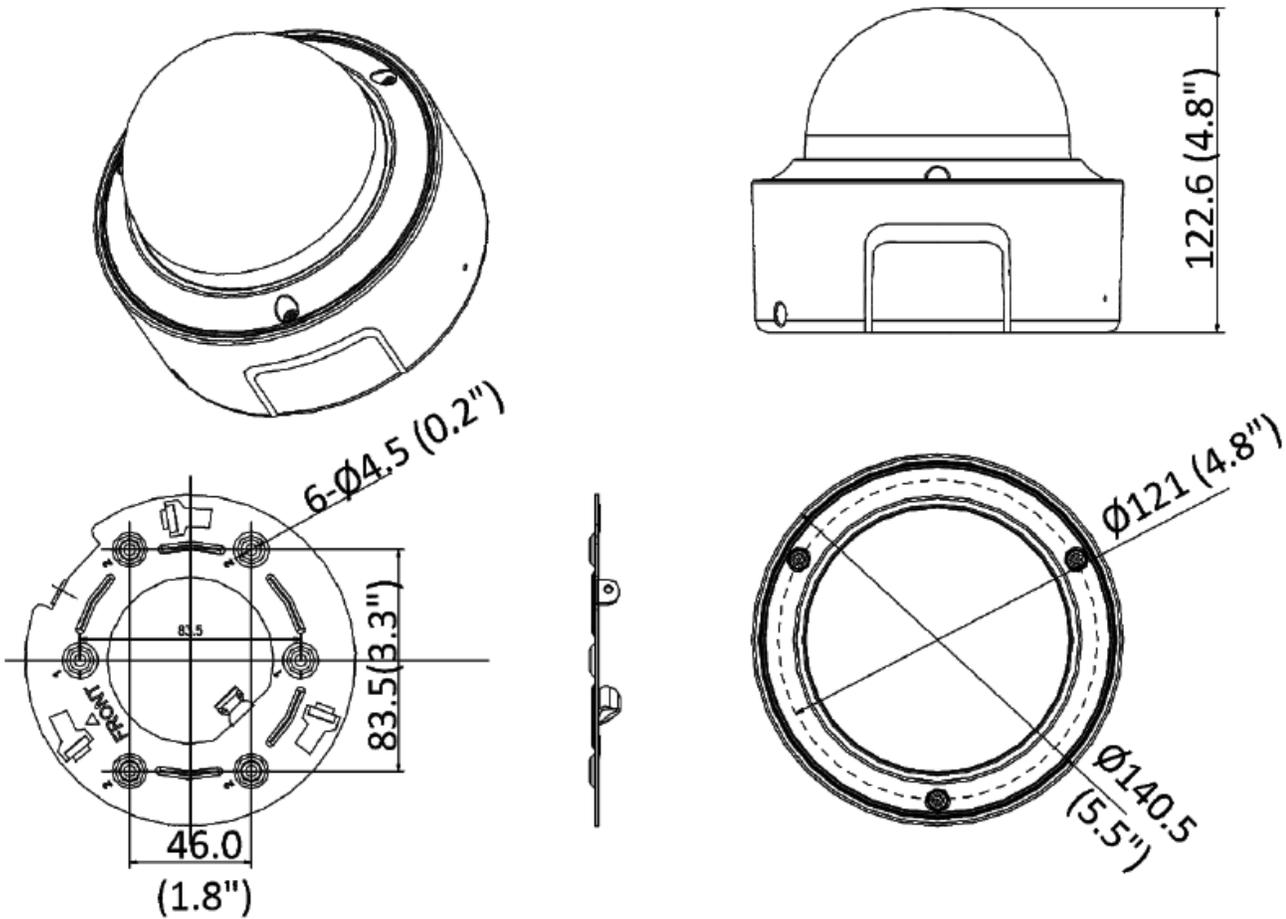
	(ANR), together with high-end Hikvision memory card, memory card encryption and health detection supported
Client	iVMS-4200, Hik-Connect, HikCentral
Web Browser	Plug-in required live view: IE8+ Local service: Chrome 41.0+, Firefox 30.0+
Image	
Smart IR	Camera IR LEDs should support Smart IR function 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-Type 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 efficiency of different queuing-ups and displays changing status of one queue, raw data export
Premier Protection	Line crossing, intrusion, region entrance, region exiting, alarm triggering by specified target types (human, vehicle), filter out mistaken alarm caused by target types such as leaf, light, animal, flag, etc.
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 and Operating Conditions	-30° to 60° C (-22° to 140° F)
Power Supply	12 VDC ±20%, two-core terminal block, reverse polarity protection; 24 VAC ±20%; PoE: 802.3af, Type 1 Class 3
Power Consumption and Current	12 VDC, 0.83 A, maximum 9.96 W 24 VAC, 0.85 A, maximum 12 W PoE (802.3af, 36 V to 57 V), 0.35 A to 0.21 A, maximum 12 W
Power Interface	Two-core terminal block
Camera Material	Aluminum alloy body

Specifications (continued)

iDS-2CD71C560-IZS 2.8-12 mm	
General (continued)	
Camera Dimension	Ø140.5 mm × 122.6 mm (Ø5.5" × 4.8")
Package Dimension	244 mm × 174 mm × 173 mm (9.6" × 6.9" × 6.8")

Camera Weight	Approximately 950 g (2.1 lb)
With Package Weight	Approximately 1300 g (2.9 lb)
Metadata	
Metadata	Intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal, face capture and queue management are supported
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)

Dimensions



Unit: mm(inch)

Accessories

NOT INCLUDED			
			
WML Wall Mount	PC130 Pendant Cap	CPM Ceiling Pendant Mount	CPME Ceiling Pendant Mount Extension

NOT INCLUDED			
			
CM Corner Mount	PM Pole Mount	RCM-1 In-Ceiling Mount	AB135 Angled Base