

iDS-2CD5A86G2-XZHSY 8MP DeepinView Moto Varifocal Bullet Camera

DeepinView







Hikvision has been dedicated to develop products with security since established.

Hikvision always follows security by design principle and has adopted many methods of security technologies into our product development lifecycle, including terminal security, data security, application security, network security, and privacy protection.

In the meantime, the security technologies used by Hikvision are all in compliance with local applicable laws and safety regulations. These security measures could enhance product's cyber security protection capability and protect your devices as well as your data from malicious cyber attacks.

- High quality imaging with 8 MP resolution
- Excellent low-light performance via Darkfighter2.0 technology
- Clear imaging against strong back light due to 120 dB Auto-WDR technology
- Efficient H.265+ compression technology to save bandwidth and storage
- 4 streams to meet a wide variety of applications
- Water and dust resistant (IP67) and vandal proof (IK10)
- TPM 2.0 for cyber security



Function

Face Capture

With embedded deep learning based algorithms, the camera is able to give the best shot of a target face through detecting, capturing, grading and selecting. 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 leafs, lights, animal, flag, etc.

Queue Management

With embedded deep learning based algorithms, the camera detects queuing-up people number and waiting time of each person. It can generate reports to compare the efficiency of different queuing-ups and display the changing status of one queue, and supports raw data export for further analysis.

On/Off Duty Detection

With the embedded deep learning algorithms, the camera supports absence detection and on/off duty detection. It can detect the on/off duty status and people number changes in a predefined area.

Heat Map

The camera can generate a graphic description of visits (by calculating amount of people or amount of dwell time) in a configured area.

Regional People Counting

With the embedded deep learning algorithms, the camera supports people density detection and will upload detection data through scheduled uploading, number of people change uploading and congestion level uploading. It also supports number of people exception detection and waiting time exception detection.



Specification

Camera			
Image Sensor	1/1.8" Progressive Scan CMOS		
Max. Resolution	3840 × 2160		
Min. Illumination	Color: 0.001 Lux @ (F1.2, AGC ON),B/W: 0 Lux with IR		
Shutter Time	1 s to 1/100,000 s		
Day 9 Night	IR cut filter,		
Day & Night	Blue glass module (less ghost phenomenon)		
Lens			
Lens Type	Varifocal lens, motorized lens, 2.8 to 12 mm and 8 to 32 mm optional		
	2.8 to 12 mm, horizontal FOV 112.3° to 41.3°, vertical FOV 58.1° to 23.1°, diagonal FOV		
Focal Length & FOV	137.4° to 47.3°		
rocal Leligtii & rov	8 to 32 mm, horizontal FOV 41.8° to 15.0°, vertical FOV 22.9° to 8.5°, diagonal FOV		
	48.7° to 17.1°		
Iris Type	P-iris		
Aperture 2.8 to 12 mm: F1.47 to F2.53, 8 to 32 mm: F1.70 to F1.73			
Focus	Auto,Semi-auto,Manual		
DORI			
	2.8 to 12 mm:		
	Wide: D: 93.8 m, O: 37.2 m, R: 18.8 m, I: 9.4 m		
DORI	Tele: D: 220.0 m, O: 87.3 m, R: 44.0 m, I: 22.0 m		
DORI	8 to 32 mm:		
	Wide: D: 218.0 m, O: 86.5 m, R: 43.6 m, I: 21.8 m		
	Tele: D: 580.0 m, O: 230.2 m, R: 116.0 m, I: 58.0 m		
Illuminator			
Supplement Light Type	Hybrid (IR and White Light)		
Supplement Light (IR and White	2.8 to 12 mm: up to 60 m, 8 to 32 mm: up to 100 m		
Light) Range	2.8 to 12 mm. up to 00 m, 8 to 32 mm. up to 100 m		
Smart Supplement Light	Yes		
IR Wavelength	850 nm		
Video			
Main Stream	50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)		
Ivialii Streaiii	60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)		
Sub-Stream	50 Hz: 25 fps (1280 × 720, 704 × 576, 640 × 480)		
Sub-Stream	60 Hz: 30 fps (1280 × 720, 704 × 480, 640 × 480)		
Third Stream	50 Hz: 10 fps (1280 × 720, 704 × 576, 640 × 480)		
Tilliu Stream	60 Hz: 10 fps (1280 × 720, 704 × 480, 640 × 480)		
Fourth Stream	50 Hz: 1 fps (1280 × 720, 704 × 576, 640 × 480)		
Tourth Stream	60 Hz: 1 fps (1280 × 720, 704 × 480, 640 × 480)		
	Main stream: H.265+/H.265/H.264+/H.264,		
Video Compression	Sub-stream: H.265/H.264/MJPEG,		
Taco compression	Third stream: H.265/H.264,		
	Fourth 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		
Bit Rate Control	CBR,VBR		
Scalable Video Coding (SVC)	H.264 and H.265 encoding		
Target Cropping	Yes		
Region of Interest (ROI)	4 fixed regions for each stream		
Audio			
Audio Type	Mono sound		
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC		
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)		
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz		
Environment Noise Filtering	Yes		
Network			
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, SRTP, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, ARP, WebSocket, WebSockets		
Simultaneous Live View	Up to 20 channels		
API	ISAPI,SDK,ISUP,ONVIF (Profile S, Profile G, Profile T, Profile M)		
User/Host	Up to 32 users		
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, TLS 1.3,TPM2.0(FIPS 140-2 level 3)		
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: IE 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+		
Image			
Image Parameters Switch	Yes		
Image Settings	Saturation, brightness, contrast, sharpness, AGC, white balance, adjustable by client software or web browser		
Day/Night Switch	Day,Night,Auto,Schedule		
Wide Dynamic Range (WDR)	120 dB		
Image Enhancement	BLC,HLC,3D DNR,Defog		
Privacy Mask	8 programmable polygon privacy masks		
Image Stabilization			
Interface			
Video Output	1 Vp-p Composite Output (75 Ω/CVBS), BNC connector		
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port		
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1 TB		
	age built-in memory card slot, support microso/microsonc/microsonc card, up to 1 18		



Alarm	2 inputs, 2 outputs (max. 24 VDC/24 VAC, 1 A)		
Built-in Microphone	2 built-in microphones		
Built-in Speaker	1 built-in speaker		
	1 input (line in), input amplitude: 3.3 Vpp, input impedance: 4.7 K Ω , interface type:		
Audio	non-equilibrium, 1 output (line out), output amplitude: 3.3 Vpp, output impedance:		
	100 Ω , interface type: non-equilibrium, mono sound		
RS-485	1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)		
Reset Key	Yes		
Power Output	12 VDC, max. 100 mA		
Event			
	Motion detection, video tampering alarm, video quality diagnosis, exception (network		
Basic Event	disconnected, IP address conflict, illegal login, abnormal restart, HDD full, HDD		
	error),vibration detection		
Smart Event	scene change detection, audio exception detection, defocus detection		
. Calana	Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger alarm		
Linkage	output,trigger recording,trigger capture,audible warning		
Deep Learning Function			
	Detects up to 30 faces simultaneously,		
Face Capture	Supports swing left and right from -60° to 60°, tilt up and down from -30° to 30°,		
	Uploads face with background and closed-up face pictures		
	Supports simultaneous detection and capture of human body, face, and vehicle,		
	Gets face features,		
Multi target type Detection	Gets human body features,		
Multi-target-type Detection	Gets vehicle features,		
	Supports counting the number of line crossing targets by type, including human body,		
	non-motor vehicle, motor vehicle		
	Supports up to 8 detection regions, and independent arming schedule and linkage		
	method,		
	Supports 2 detection modes: regional people queuing-up, waiting time detection,		
	Generates reports to compare the efficiency of different queuing-ups and display the		
	changing status of one queue,		
Queue Management	Supports raw data export for further analysis,		
	Supports real-time data uploading and scheduled data uploading,		
	Regional people queuing-up: supports 4 alarm trigger conditions, including greater		
	than threshold, less than threshold, equal to threshold, not equal to threshold,		
	Waiting time detection: supports 1 alarm trigger condition, including greater than		
	threshold		
	A graphic description of visits (by calculating amount of people or amount of dwell		
Heat Map	time) in a configured area.,		
	Two report types are available, space heat map and time heat map line chart.		
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting,		
- Chillette i rottettioli	Support alarm triggering by specified target types (human and vehicle)		
Metadata	Intrusion detection,line crossing detection,region entrance detection,region exiting		
ctaaata	detection		



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6		
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greater than threshold A, less than threshold A, equal to threshold A, not equal to		
threshold A, greater than threshold A and less than threshold B, less than threshold A		
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old A and less than		
ule and linkage		
ion,		
PoE: IEEE 802.3at, Type 2, Class 4, 42.5 V to 57 V, 0.36 A to 0.27 A, max. 15 W,		
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sing)		
ek, German, Italian,		
n, Danish, Swedish,		
raditional Chinese,		
), Ukrainian		
lash log		
-H: Yes		
3-3: 2013+A1:2019,		



	CE-RoHS: 2011/65/EU,
Environment	WEEE: 2012/19/EU,
	Reach: Regulation (EC) No 1907/2006
Protection	IP67: IEC 60529-2013,IK10: IEC 62262:2002
Anti-Corrosion Protection	-Y model: NEMA 4X (NEMA 250-2018)

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.

With -Y model: This model has MODERATE PROTECTION. Without -Y model: This model has NO SPECIFIC PROTECTION.

Level	Description	
	Hikvision products at this level are equipped for use in	
Top-level protection	areas where professional anti-corrosion protection is a	
Top-level protection	must. Typical application scenarios include coastlines,	
	docks, chemical plants, and more.	
	Hikvision products at this level are equipped for use in	
	areas with moderate anti-corrosion demands. Typical	
Moderate protection	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	
No specific protection	areas where no specific anti-corrosion protection is needed.	

Available Model

iDS-2CD5A86G2-XZHSY(2.8-12mm)

iDS-2CD5A86G2-XZHSY(8-32mm)

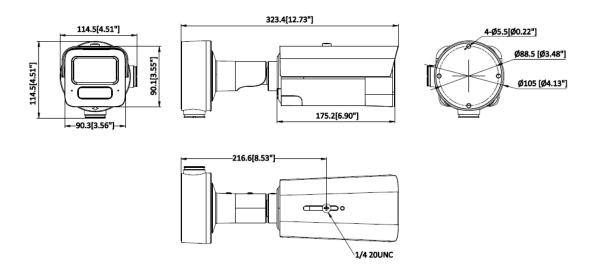
iDS-2CD5A86G2-XZS(8-32mm)

iDS-2CD5A86G2-XZS(2.8-12mm)

Dimension



Unit:mm(inch)



Camera Mounting Hole (mm)	Camera Mounting Hole (inch)	
ф88.5(4ר5.5)	ф3.48"(4ר0.22")	

Accessory

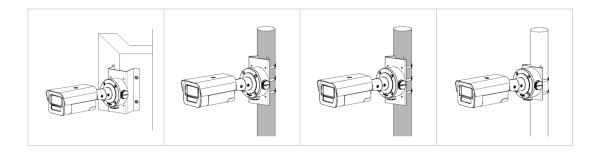
Optional

DS-1276ZJ-SUS	DS-1275ZJ-Y	DS-1275ZJ-SUS	DS-1275ZJ-S-SUS
			B

Installation Methods

Corner Mounting DS-1276ZJ-SUS	Vertical Pole	Vertical Pole	Vertical Pole
	Mounting	Mounting	Mounting
	DS-1275ZJ-Y	DS-1275ZJ-SUS	DS-1275ZJ-S-SUS





See Far, Go Further



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