

DS-2CD3043G2-IU 4 MP AcuSense Fixed Bullet Network Camera

AcuSense





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.

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 4 MP resolution
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 120 dB true WDR technology
- Focus on human and vehicle classification based on deep learning
- Built-in microphone for real-time audio security
- Water and dust resistant (IP67)



Specification

Camera			
Image Sensor	1/3" Progressive Scan CMOS		
Max. Resolution	2688 × 1520		
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR		
Shutter Time	1/3 s to 1/100,000 s		
Day & Night	IR cut filter		
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°		
Lens			
Lens Type	Fixed focal lens, 2.8, 4, and 6 mm optional		
	2.8 mm, horizontal FOV 103°, vertical FOV 55°, diagonal FOV 122°		
Focal Length & FOV	4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 100°		
	6 mm, horizontal FOV 52°, vertical FOV 28°, diagonal FOV 61°		
Lens Mount	M12		
Iris Type	Fixed		
Aperture	F1.6		
DORI			
	2.8 mm: D: 67 m, O: 26 m, R: 13 m, I: 6 m		
DORI	4 mm: D: 80 m, O: 31 m, R: 16 m, I: 8 m		
	6 mm: D: 120 m, O: 47,m, R: 24,m, I: 12 m		
Illuminator			
Supplement Light Type	IR		
Supplement Light Range	Up to 40 m		
IR Wavelength	850 nm		
Video			
Main Stream	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)		
Wall Stream	60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)		
Sub-Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)		
Sub Stream	60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)		
	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)		
Third Stream	60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)		
	*Third stream is supported under certain settings.		
	Main stream: H.265/H.264/H.264+/H.265+		
Video Compression	Sub-stream: H.265/H.264/MJPEG		
	Third stream: H.265/H.264		
Video Bit Rate	32 Kbps to 8 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		
Region of Interest (ROI)	5 fixed regions for main stream and sub-stream		
Audio			
Audio Compression	G.711ulaw/G.711alaw/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)/16 Kbps to 64		
Audio Sampling Rate	Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)		
	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz		
Environment Noise Filtering Network	Yes		
Network	TCD/ID ICAD LITTO LITTOS ETD DIICO DNS DDNS DTD DTSD NTD LIDAD SMTD		
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, WebSocket, WebSockets		
Simultaneous Live View	Up to 6 channels		
API	Open Network Video Interface (Profile S, Profile G), ISAPI, SDK, ISUP		
User/Host	Up to 32 users. 3 user levels: administrator, operator and user		
Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSI and digest authentication for Open Network Video Interface		
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, Hik-Central		
Web Browser	Plug-in required live view: IE 10, IE 11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+ Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+		
Image			
Image Parameters Switch	Yes		
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser		
Day/Night Switch	Day, Night, Auto, Schedule		
Wide Dynamic Range (WDR)	120 dB		
SNR	≥ 52 dB		
Image Enhancement	BLC, HLC, 3D DNR		
Privacy Mask	Yes		
Interface			
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 512 GE		
Built-in Microphone	Yes		
Reset Key	Yes		
Event			
Basic Event	Motion detection (support alarm triggering by specified target types (human and		
	vehicle)),video tampering alarm,exception		
Smart Event	unattended baggage detection, object removal detection		
Linkage	Upload to FTP/memory card/NAS, notify surveillance center, trigger recording, trigger capture, send email		
Deep Learning Function			
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)		



General			
	12 VDC ± 25%, reverse polarity protection, 0.5 A, max. 6 W, Ø5.5 mm coaxial power		
Power	plug		
	PoE: IEEE 802.3af, 36 V to 57 V, Class 3, 0.2 A to 0.13 A, max. 7 W		
Material	Aluminum alloy body		
	IR cover: plastic		
Dimension	Ø70 mm × 161.7 mm (Ø2.8" × 6.4")		
Package Dimension	216 mm × 121 mm × 118 mm (8.6" × 4.8" × 4.7")		
Weight	Approx. 490 g (1.1 lb.)		
With Package Weight	Approx. 724 g (1.6 lb.)		
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)		
Startup and Operating	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)		
Conditions			
Languago	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian,		
	Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish,		
Language	Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese,		
	Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian		
General Function	Anti-banding, heartbeat, password reset via email, pixel counter		
Approval			
	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		
EMC	+A1: 2014);		
EIVIC	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	IP67 (IEC 60529-2013)		

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	

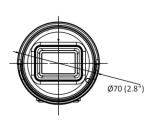


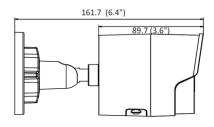
	application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in
	areas where no specific anti-corrosion protection is needed.

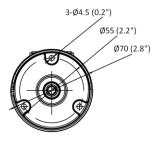
Available Model

DS-2CD3043G2-IU(2.8mm) DS-2CD3043G2-IU(4mm) DS-2CD3043G2-IU(6mm)

Dimension







Unit: mm (inch)

Accessory

Optional

DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1280ZJ-XS
Vertical pole mount	Corner mount	Junction box
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