

DS-2CD2143G2-IU 4 MP AcuSense Fixed Dome 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.

- High quality imaging with 4 MP resolution
- Clear imaging against strong backlight due to 120 dB WDR technology
- Efficient H.265+ compression technology
- Built-in microphone for real-time audio security
- Water and dust resistant (IP67) and vandal resistant (IK10)
- Focus on human and vehicle targets classification based on deep learning





Specification

Camera					
Image Sensor	1/3" Progressive Scan CMOS				
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR on				
Shutter Speed	1/3 s to 1/100,000 s				
Slow Shutter	Yes				
P/N	P/N				
Wide Dynamic Range	120 dB				
Day & Night	ICR Cut				
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°				
Lens					
Lens Type & FOV	2.8 mm, horizontal FOV 103°, vertical FOV 55°, diagonal FOV 122°				
Lens Type & TOV	4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 100°				
Aperture	F1.6				
Lens Mount	M12				
DORI					
DORI	2.8 mm: D: 67 m, O: 26 m, R: 13 m, I: 6 m				
DOM	4 mm: D: 80 m, O: 31 m, R: 16 m, I: 8 m				
Illuminator					
IR Range	Up to 30 m				
Wavelength	850 nm				
Video					
Max. Resolution	2688 × 1520				
Main Stream	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)				
ividili Stredili	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)				
	Main stream: H.265/H.264/H.264+/H.265+				
Video Compression	Sub-stream: H.265/H.264/MJPEG				
Trade de impression	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				
H.264+	Main Stream supports				
H.265+	Main Stream supports				
Bit Rate Control	CBR/VBR				
Scalable Video Coding (SVC)	Yes				
Region of Interest (ROI)	1 fixed region for main stream and sub-stream				
Audio	10:1 1 1:1:1 2:1:2:1:1:1:1:1:1:1:1:1:1:1:1				
Environment Noise Filtering	Yes				
udio Sampling Rate 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz					
udio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC					
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Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16-64 Kbps (AAC-LC)/32-192 Kbps (MP2L2)/8-320 Kbps (MP3)				
Network					
Simultaneous Live View	Up to 6 channels				
API	Open Network Video Interface (Profile S, Profile G), ISAPI, SDK				
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, WebSocket, WebSockets				
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)				
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+ Local service: Chrome 57.0+, Firefox 52.0+				
Image					
Day/Night Switch	Day, Night, Auto, Schedule				
Image Enhancement	BLC, HLC, 3D DNR				
Image Parameters Switch	Yes				
Image Settings	Rotate, mirror, privacy mask, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser				
Interface					
Built-in Microphone	Yes				
On-board Storage	Built-in microSD, up to 512 GB				
Hardware Reset	Yes				
Communication Interface Event	1 RJ45 10M/100M self-adaptive Ethernet port				
Basic Event	Motion detection (human and vehicle targets classification), video tampering alarm, exception				
Face Detection	Yes				
Deep Learning Function					
Perimeter Protection	Line crossing detection, intrusion detection Supports human and vehicle targets classification				
General					
Linkage Method	Upload to FTP/memory card/NAS, notify surveillance center, trigger record, trigger capture, Email				
Web Client Language	33 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slov 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, heartbeat, password reset via e-mail, pixel counter				



Charter and On sortion			
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)		
Power Supply	12 VDC ± 25%, reverse polarity protection		
	PoE: 802.3af, Class 3		
Dower Consumption and Current	12 VDC, 0.4 A, max. 5 W		
Power Consumption and Current	PoE (802.3af, 36 V to 57 V), 0.2 A to 0.15 A, max. 6.5 W		
Power Interface	Ø5.5 mm coaxial power plug		
Material	Aluminum alloy body		
	Bubble: plastic		
Camera Dimension	Ø121.4 × 92.2 mm (Ø4.8" × 3.7")		
Package Dimension	150 × 150 × 141 mm (5.9" × 5.9" × 5.6")		
Camera Weight	Approx. 570 g (1.3 lb.)		
With Package Weight	Approx. 806 g (1.8 lb.)		
Approval			
	FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN		
EMC	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)		
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)		
Protection	IP67 (IEC 60529-2013), IK10 (IEC 62262: 2002)		

Available Model

DS-2CD2143G2-IU (2.8/4 mm)

Typical Application

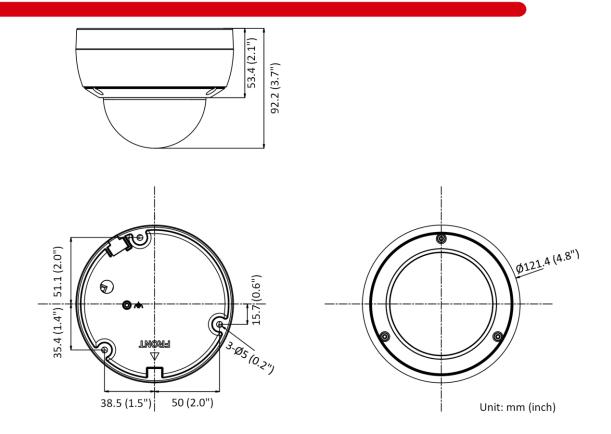
Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

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.		

Dimension





Accessory

Optional

- Optional				
DS-1272ZJ-120B	DS-1275ZJ-SUS	DS-1280ZJ-DM46	DS-1253ZJ-M	DS-1272ZJ-120
Wall Mount	Vertical Pole Mount	Junction Box	Rain Shade	Wall Mount
6				
DS-1276ZJ-SUS	DS-1271ZJ-120			
Corner Mount	Pendant Mount			





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