

**DS-2CD2143G2-I**  
**4 MP AcuSense Fixed Dome Network Camera**

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
- Water and dust resistant (IP67) and vandal resistant (IK10)
- Focus on human and vehicle targets classification based on deep learning

## ▪ Specification

Model		DS-2CD2143G2-I
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 355°, tilt: 0° to 75°, rotate: 0° to 355°
Lens	Lens Type	Fixed focal length, 2.8 and 4 mm optional
	Focal Length & FOV	2.8 mm, horizontal FOV 103°, vertical FOV 55°, diagonal FOV 122° 4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 100°
	Lens Mount	M12
	Iris Type	Fixed
	Aperture	F1.6
DORI	DORI	2.8 mm: D: 67 m, O: 26 m, R: 13 m, I: 6 m 4 mm: D: 80 m, O: 31 m, R: 16 m, I: 8 m
Illuminator	Supplement Light Type	IR
	Supplement Light Range	Up to 30 m
	Smart Supplement Light	Yes
	IR Wavelength	850 nm
Video	Main Stream	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
	Sub-Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)
	Third Stream	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)
	Video Compression	Main stream: H.265/H.264/H.264+/H.265+ 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)	Yes
	Region of Interest (ROI)	1 fixed region for main stream and sub-stream

<b>Audio</b>	Audio Compression	-S: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
	Audio Bit Rate	-S: 64Kbps(G.711ulaw/G.711alaw)/16Kbps(G.722.1)/16Kbps(G.726)/16Kbps-64Kbps(AAC-LC)/32-192Kbps(MP2L2)/8-320Kbps(MP3)
	Audio Sampling Rate	-S: 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
	Environment Noise Filtering	-S: Yes
<b>Network</b>	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
	Simultaneous Live View	Up to 6 channels
	API	Open Network Video Interface (Profile S, Profile G), ISAPI, SDK
	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, WSSE 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+
<b>Image</b>	Image Parameters Switch	Yes
	Image Settings	Rotate, mirror, privacy mask, 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
<b>Interface</b>	Ethernet Interface	1 RJ45 10M/100M self-adaptive Ethernet port
	On-Board Storage	Built-in microSD, up to 512 GB
	Audio	-S: 1 input (line in), two-core terminal block, max. input amplitude: 3.3 vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), two-core terminal block, max.output amplitude: 3.3 vpp, output impedance: 100 Ω, interface type: non-equilibrium, mono sound
	Alarm	-S: 1 input, 1 output (max. 12 VDC, 30 mA)
	Reset Key	Yes

<b>Event</b>	Basic Event	Motion detection (human and vehicle targets classification), video tampering alarm, exception
	Smart Event	Line crossing detection, intrusion detection (support alarm triggering by specified target types (human and vehicle)) Face detection
	Linkage	Upload to FTP/memory card/NAS, notify surveillance center, trigger record, trigger capture, Email, trigger alarm output (-S model supports)
<b>General</b>	Power	12 VDC $\pm$ 25%, 0.4 A, max. 5 W, $\varnothing$ 5.5 mm coaxial power plug, reverse polarity protection PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W
	Dimension	$\varnothing$ 110.8 $\times$ 84.7 mm ( $\varnothing$ 4.4" $\times$ 3.3")
	Package Dimension	134 $\times$ 134 $\times$ 108 mm (5.3" $\times$ 5.3" $\times$ 4.3")
	Weight	Approx. 530 g (1.2 lb.)
	With Package Weight	Approx. 720 g (1.6 lb.)
	Storage Conditions	-30 $^{\circ}$ C to 60 $^{\circ}$ C (-22 $^{\circ}$ F to 140 $^{\circ}$ F). Humidity 95% or less (non-condensing)
	Startup and Operating Conditions	-30 $^{\circ}$ C to 60 $^{\circ}$ C (-22 $^{\circ}$ F to 140 $^{\circ}$ F). Humidity 95% or less (non-condensing)
	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, heartbeat, password reset via e-mail, pixel counter	
<b>Approval</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)
	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)

## • Typical Application

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.

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

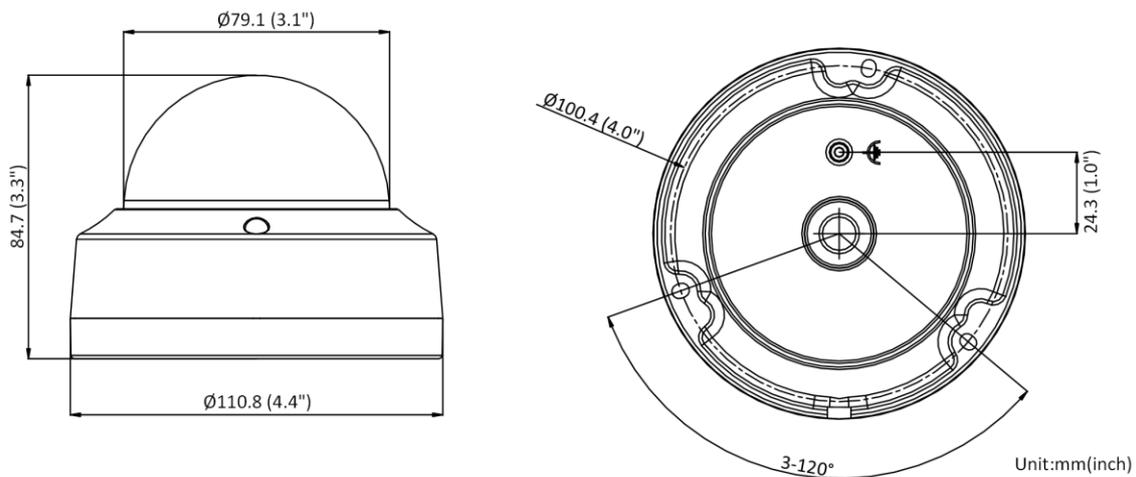
This model has NO SPECIFIC PROTECTION.

▪ **Available Model**

DS-2CD2143G2-I(2.8mm)

DS-2CD2143G2-I(4mm)

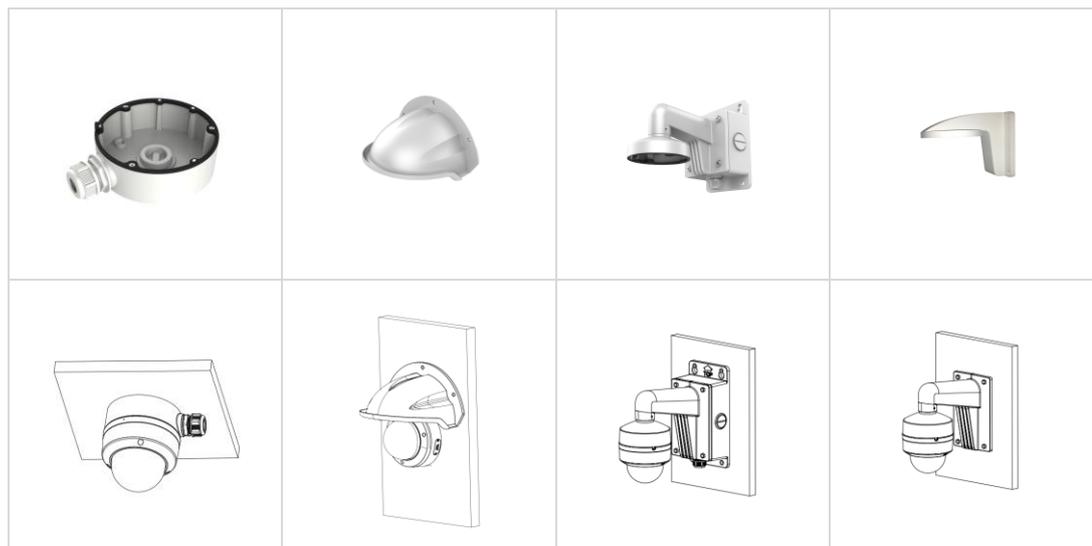
▪ **Dimension**



▪ **Accessory**

▪ **Optional**

DS-1276ZJ-SUS Corner mount	DS-1272ZJ-110 Wall mount	DS-1271ZJ-110 Pendant Mount	DS-1275ZJ-SUS Vertical pole mount	DS-1259ZJ Inclined ceiling mount
<b>DS-1280ZJ-DM18 Junction box</b>	<b>DS-1250ZJ Water-proof</b>	<b>DS-1272ZJ-110B Wall mount</b>	<b>DS-1258ZJ Wall mount</b>	



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