DS-2CD2143G2-I (Black)
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

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
Audio	
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

Network	
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+
Image	
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
Interface	
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
Event	
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)
General	
Power	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 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	Ø110.8 × 84.7 mm (Ø4.4" × 3.3")
Package Dimension	134 × 134 × 108 mm (5.3" × 5.3" × 4.3")
Weight	Approx. 530 g (1.2 lb.)

With Package Weight	Approx. 720 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 Conditions	-30 °C to 60 °C (-22 °F to 140 °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
Approval	
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)

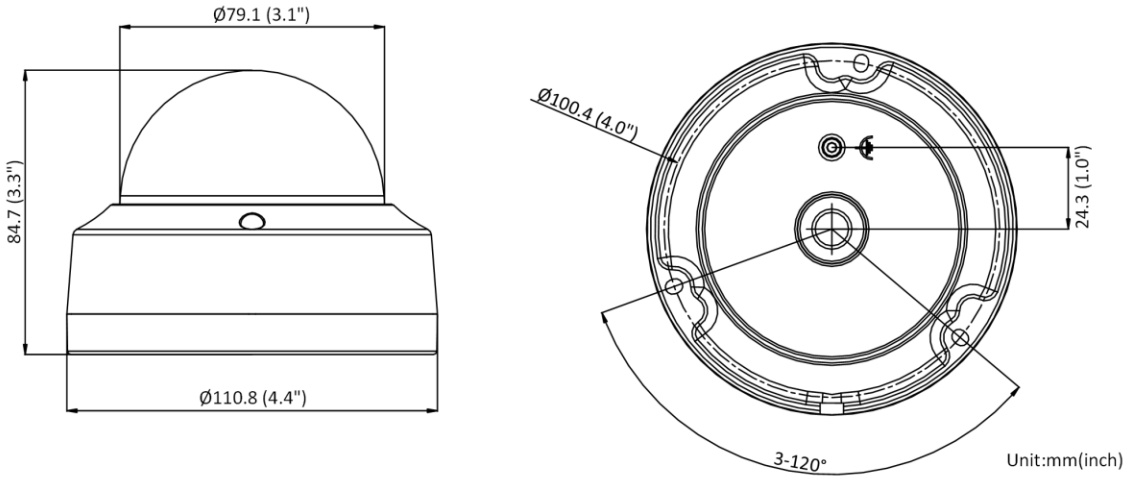
▪ Typical Application

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.

▪ Dimension

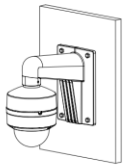
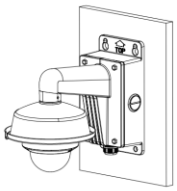
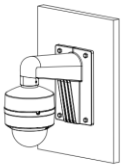
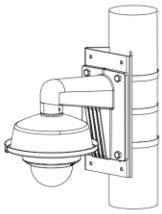
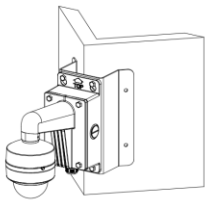
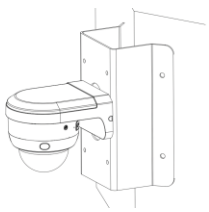
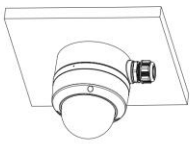


▪ Accessory

▪ Optional

DS-220AZJ-145-BA	DS-1275ZJ-SUS(Black)	DS-1272ZJ-110(Black)	DS-1271ZJ-110(Black)	DS-1276ZJ-SUS(Black)
				
DS-1476ZJ-SUS(Black)	**DS-1272ZJ-110B(Black)**	**DS-1475ZJ-SUS(Black)**	**DS-1275ZJ-S-SUS(Black)**	**DS-220AZJ-130-BA**
				
DS-1250ZJ(Black)	**DS-1259ZJ(Black)**	**DS-1258ZJ(Black)**	**DS-1280ZJ-DM18(Black)**	
				

▪ Installation Methods

Wall Mounting DS-220AZJ-145-BA	Wall Mounting DS-1272ZJ-110(Black)	Wall Mounting DS-1272ZJ-110B(Black)+DS-1253ZJ-M(Black)	Wall Mounting DS-220AZJ-130-BA	Wall Mounting DS-1258ZJ(Black)
				
Vertical Pole Mounting DS-1275ZJ-SUS(Black) +DS-1272ZJ-110(Black)+DS-1253ZJ-M(Black)	Vertical Pole Mounting DS-1475ZJ-SUS(Black) +DS-220AZJ-145-BA	Vertical Pole Mounting DS-1275ZJ-S-SUS(Black)+DS-220AZJ-145-BA	Pendant Mounting DS-1271ZJ-110(Black)	Corner Mounting DS-1276ZJ-SUS(Black) +DS-1272ZJ-110B(Black)
				
Corner Mounting DS-1476ZJ-SUS(Black) +DS-220AZJ-145-BA	Others DS-1250ZJ(Black)	Inclined Ceiling Mounting DS-1259ZJ(Black)	Junction Box DS-1280ZJ-DM18(Black)	
				

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