

HIKVISION

DS-2CD2163G2-IU 6 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 6 MP resolution
- Clear imaging against strong back light due to 120 dB true WDR technology
- Efficient H.265+ compression technology
- Focus on human and vehicle targets classification based on deep learning
- Built-in microphone for real-time audio security
- Water and dust resistant (IP67) and vandal-resistant (IK10)



•

Specification

Camera					
Image Sensor	1/2.8" Progressive Scan CMOS				
Max. Resolution	3200 × 1800				
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				
	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 128°				
Focal Length & FOV	4 mm, horizontal FOV 87°, vertical FOV 46°, diagonal FOV 105°				
Lens Mount	M12				
Iris Type	Fixed				
Aperture	F1.6				
DORI					
	2.8 mm: D: 73 m, O: 29 m, R: 15 m, I: 7 m				
DORI	4 mm: D: 90 m, O: 35 m, R: 18 m, I: 9 m				
Illuminator					
Supplement Light Type	IR				
Supplement Light Range	Up to 30 m				
Smart Supplement Light	Yes				
IR Wavelength	850 nm				
Video					
	50 Hz: 20 fps (3200 × 1800)				
	25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)				
Main Stream	60 Hz: 20 fps (3200 × 1800)				
	30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)				
	50 Hz: 25 fps (1280 x 720, 640 × 480, 640 × 360)				
Sub-Stream	60 Hz: 30 fps (1280 x 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 Comprossion	Sub-stream: H.265/H.264/MJPEG				
Video Compression	Third stream: H.265/H.264				
	*Third stream is supported under certain settings.				
Video Bit Rate	32 Kbps to 16 Mbps				
Н.264 Туре	Baseline Profile/Main Profile/High Profile				
Н.265 Туре	Main Profile				
Bit Rate Control	CBR/VBR				
Scalable Video Coding (SVC)	H.264 and H.265 encoding				
Region of Interest (ROI)	1 fixed region 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	TOD UNAD LITTO LITTOS STO DUCO DNG DONG DTO DTOD NTO LIDED 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, SRTP, SFTP				
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, 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, T 1.1/1.2/1.3, host authentication (MAC address)				
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+, 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	4 programmable polygon privacy masks				
Interface	· F. 69. a				
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 GB				
Built-in Microphone	Yes				
Reset Key	Yes				
Event					
Lvent	Motion detection (support alarm triggering by specified target types (human and				
Basic Event	vehicle)), video tampering alarm, exception				
Linkage	Upload to FTP/memory card/NAS, notify surveillance center, trigger recording, trigger capture, send email				
Deep Learning Function					



General				
Power	12 VDC ± 25%, 0.5 A, max. 6 W, Ø5.5 mm coaxial power plug, reverse polarity			
	PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 7.5 W			
Material	Aluminum alloy body			
	Bubble: plastic			
Dimension	Ø121.4 mm × 92.2 mm (Ø4.8" × 3.7")			
Package Dimension	150 mm × 150 mm × 141 mm (5.9" × 5.9" × 5.6")			
Weight	Approx. 440 g (1.0 lb.)			
With Package Weight	Approx. 670 g (1.47 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				
	33 languages			
	English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak,			
Language	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	Heartbeat, mirror, password reset via email, pixel counter, anti-flicker			
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)			

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.

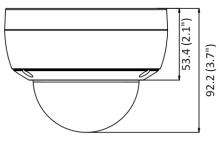
Level	Description		
	Hikvision products at this level are equipped for use in areas where professional		
Top-level protection	anti-corrosion protection is a must. Typical application scenarios include coastlines,		
	docks, chemical plants, and more.		
	Hikvision products at this level are equipped for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

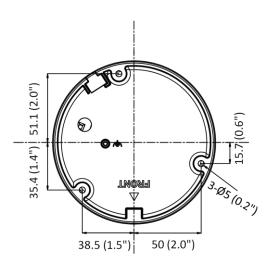


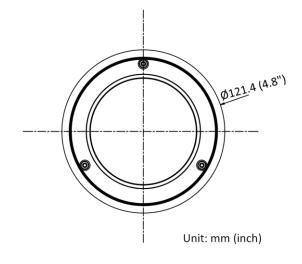
Available Model

DS-2CD2163G2-IU(2.8mm) DS-2CD2163G2-IU(4mm)

Dimension







Accessory

Optional

DS-1272ZJ-120 Wall mount	DS-1272ZJ-120B Wall mount	DS-1271ZJ-120 Pendant Mount	DS-1275ZJ-SUS Vertical pole mount	DS-1276ZJ-SUS Corner mount
	e e		<u>* 6 6</u>	
		6		



DS-1280ZJ-DM46 Junction box	DS-2280ZJ-WA120 Junction box	DS-2210ZJ-WA-120 Pendant Mount	DS-2200ZJ-WA-120 Wall mount	DS-2200ZJ-WAJ-120 Wall mount
				Contraction of the second seco



Follow us on social media to get the latest product and solution information.













© Hangzhou Hikvision Digital Technology Co., Ltd. Unless otherwise agreed, Hikvision makes no warranties, express or implied. We reserve the right to introduce modifications without notice.