

DS-2CD2523G2-I(S)

2 MP AcuSense Fixed mini 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 2 MP resolution
- Clear imaging against strong backlight due to 120 dB WDR technology
- Efficient H.265+ compression technology
- Focus on human and vehicle targets classification based on deep learning
- -S: audio and alarm interface available
- Water and dust resistant (IP67) and vandal resistant (IK08)



SpecificationCamera

Camera					
Image Sensor	1/2.8" Progressive Scan CMOS				
Max. Resolution	1920 × 1080				
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: -30° to 30°, tilt: 0° to 75°, rotate: 0° to 360°				
Lens					
Lens Type	Fixed focal lens, 2.8 and 4 mm optional				
Focal Longth & FOV	2.8 mm, horizontal FOV 108°, vertical FOV 59°, diagonal FOV 127°				
Focal Length & FOV	4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 100°				
Lens Mount	M12				
Iris Type	Fixed				
Aperture	F1.6				
Donth of Field	2.8 mm: 1 m to ∞				
Depth of Field	4 mm: 1.1 m to ∞				
DORI					
DON	2.8 mm: D: 42 m, O: 17 m, R: 8 m, I: 4 m				
DORI	4 mm: D: 54 m, O: 21 m, R: 11 m, I: 5 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 (1920 × 1080, 1280 × 720)				
Main Stream	60 Hz: 30 fps (1920 × 1080, 1280 × 720)				
Sub-Stream	50 Hz: 25 fps (640 × 480, 640 × 360)				
Sub-Stream	60 Hz: 30 fps (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)	1 fixed region(s) for main stream and sub-stream				
Audio					
Audio Compression	G.711/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)/32 to 192 Kbps				
	(MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)				



Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz				
Environment Noise Filtering	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, SNMP, WebSocket,				
	WebSockets				
Simultaneous Live View	Up to 6 channels				
API	Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP				
User/Host	Up to 32 users				
	3 user levels: administrator, operator, and user				
	Password protection, complicated password, HTTPS encryption, 802.1X authentication				
	(EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest				
Security	authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network				
	Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS				
	1.3, host authentication (MAC address)				
Network Storage	NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR)				
Client	iVMS-4200, Hik-Connect, Hik-Central				
	Plug-in required live view: IE 10, IE 11,				
Web Browser	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 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				
	-IS: 1 input (line in), max. input amplitude: 3.3 Vpp, input impedance: 4.7 K Ω ,				
Audio	interface type: non-equilibrium 1 output (line out), max.output amplitude: 3.3 Vpp,				
	output impedance: 100 Ω , interface type: non-equilibrium				
Alarm	-IS: 1 input, 1 output (max. 12 VDC, 30 mA)				
Reset Key	Yes				
Event					
Basic Event	Motion detection (support alarm triggering by specified target types (human and				
	vehicle)), video tampering alarm, exception				
	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger				
Linkage	recording, trigger capture,				
	trigger alarm output (-S), audible warning (-S)				



Deep Learning Function				
Perimeter Protection	Line crossing, intrusion			
Perimeter Protection	Support alarm triggering by specified target types (human and vehicle)			
General				
	12 VDC ± 25%, 0.45 A, max. 5.5 W, Ø5.5 mm coaxial power plug, reverse polarity			
Power	protection,			
	PoE: IEEE 802.3af, Class 3, 36 V to 57 V, 0.18 A to 0.11 A, max. 6.5 W			
Material	Base: aluminum, cover: plastic			
Dimension	Ø110 mm × 57.4 mm (Ø4.3" × 2.3")			
Package Dimension	134 mm × 134 mm × 108 mm (5.3" × 5.3" × 4.3")			
Weight	Approx. 380 g (0.8 lb.)			
With Package Weight	Approx. 620 g (1.4 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)			
Conditions	33 languages			
Language	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	Anti-flicker, heartbeat, password reset via email, pixel counter			
Approval	/ met moker) fred toedly passiford reset the email, pixel obtained			
, pp. com	FCC: 47 CFR Part 15, Subpart B,			
	CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN			
EMC	50130-4: 2011 +A1: 2014,			
	IC: ICES-003: Issue 7,			
	KC: KN32: 2015, KN35: 2015			
	UL: UL 62368-1,			
Safety	CB: IEC 62368-1: 2014+A11,			
	CE-LVD: EN 62368-1: 2014/A11: 2017			
	CE-RoHS: 2011/65/EU,			
Environment	WEEE: 2012/19/EU,			
	Reach: Regulation (EC) No 1907/2006			
Protection	IP67: IEC 60529-2013, IK08: 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.		
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

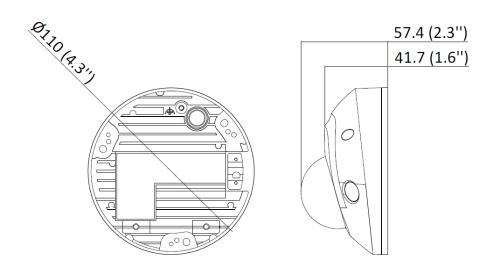
DS-2CD2523G2-IS(2.8mm)(D)

DS-2CD2523G2-IS(4mm)(D)

DS-2CD2523G2-I(2.8mm)(D)

DS-2CD2523G2-I(4mm)(D)

Dimension



Unit: mm (inch)



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
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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
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