DS-2CD3121G2-I(SF)
2 MP Fixed Dome Network Camera





Hikvision has been dedicated to develop products with security since established. Hikvision always follows security by design principle and has adopted many methods of security technologies into our product development lifecycle, including terminal security, data security, application security, network security, and privacy protection. In the meantime, the security technologies used by Hikvision are all in compliance with local applicable laws and safety regulations. These security measures could enhance product's cyber security protection capability and protect your devices as well as your data from malicious cyber attacks.

- High quality imaging with 2 MP resolution
- Efficient H.265+ compression technology to save bandwidth and storage
- Clear imaging against strong back light due to 120dB WDR technology
- 3D DNR technology delivers clean and sharp images
- Easy installation with Power over Ethernet (PoE) technology
- Water and dust resistant (IP67) and vandal proof (IK10)
- Support Human and Vehicle Detection

▪ Specification

Camera		
Image Sensor	1.4	1/2.7" Progressive Scan CMOS
Max. Resolution	1.1	1920 × 1080
Shutter Time		1/3 s to 1/100,000 s
Min. Illumination	1.3	Color: 0.005 Lux @ (F1.6, AGC ON),0 Lux with IR
Day & Night		IR cut filter
Angle Adjustment		Pan: 0° to 355°,tilt: 0° to 75°,rotate: 0° to 355°
Lens		
Lens Type		Fixed focal lens, 2.8 and 4 mm optional
Focal Length & FOV		2.8 mm, horizontal FOV 111°, vertical FOV 59°, diagonal FOV 133° 4 mm, horizontal FOV 91°, vertical FOV 46°, diagonal FOV 109°
Lens Mount		M12
Iris Type		Fixed
Aperture		F1.6
DORI		
DORI		2.8 mm, D: 43 m, O: 17 m, R: 9 m, I: 5 m 4 mm, D: 53 m, O: 21 m, R: 11 m, I: 6 m
Illuminator		
Supplement Light Type		IR
Supplement Light Range		Up to 40 m
Smart Supplement Light		Yes
IR Wavelength		850 nm
Video		
Main Stream	1.2	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)
Sub-Stream		50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)
Third Stream		50 Hz: 1 fps (640 × 360) 60 Hz: 1 fps (640 × 360)
Video Compression	1.6	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
Video Bit Rate		32 Kbps to 8 Mbps
H.264 Type	1.7	Baseline Profile/Main Profile/High Profile
H.265 Type		Main Profile
Bit Rate Control		CBR/VBR
Region of Interest (ROI)		1 fixed region for main stream and sub stream
Audio		
Audio Type		-S: Mono sound
Environment Noise Filtering		-S: Yes
Audio Sampling Rate		-S: 8 kHz/16 kHz
Audio Compression		-S: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC
Audio Bit Rate		-S: 64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)

Network	
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-MD5), watermark, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, security audit log, TLS 1.2, TLS 1.3, host authentication (MAC address)
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile T, Profile G (only -F model supports)), ISAPI, SDK 1.10
Protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IGMP, IPv4, IPv6, UDP, QoS, FTP, SMTP, HTTPS, DDNS, UPnP, 802.1X 1.8
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Client	iVMS-4200, Hik-Connect
Web Browser	Plug-in required live view: IE 10, IE 11 Local service: Chrome 57.0+, Firefox 52.0+
Image	
Wide Dynamic Range (WDR)	120 dB
SNR	≥ 52 dB
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser
Privacy Mask	4 programmable polygon privacy masks
Interface	
Ethernet Interface 1.9	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	-F: Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB
Audio	-S: 1 input(s) (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, -S: 1 output(s) (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm	-S: 1 input, 1 output (max. 12 VDC, 30 mA)
Reset Key	-F: Yes
Event	
Basic Event 1.5	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception
Smart Event	Line crossing detection, intrusion detection
Linkage	Upload to FTP/memory card (-F), send email, notify surveillance center, trigger recording (-F), trigger capture, trigger alarm output (-S)
General	
Power 1.9	12 VDC ± 25%, 0.4 A, max. 5 W,Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W
Material	Base: Metal, cover: Plastic
Dimension	Ø110.8 mm × 84.7 mm (Ø4.4" × 3.3")
Package Dimension	135 mm × 135 mm × 110 mm (5.3" × 5.3" × 4.3")
Weight	Approx. 497 g (1.1 lb.)

With Package Weight	Approx. 597 g (1.3 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	English, Ukrainian
General Function	Heartbeat, anti-banding, mirror, password protection, password reset via email, pixel counter
Approval	
EMC	FCC: 47 CFR Part 15, Subpart B
Safety	CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017, BIS: IS 13252 (Part 1): 2010/ IEC 60950-1: 2005
Environment	CE-RoHS: 2011/65/EU
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
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.

▪ Available Model

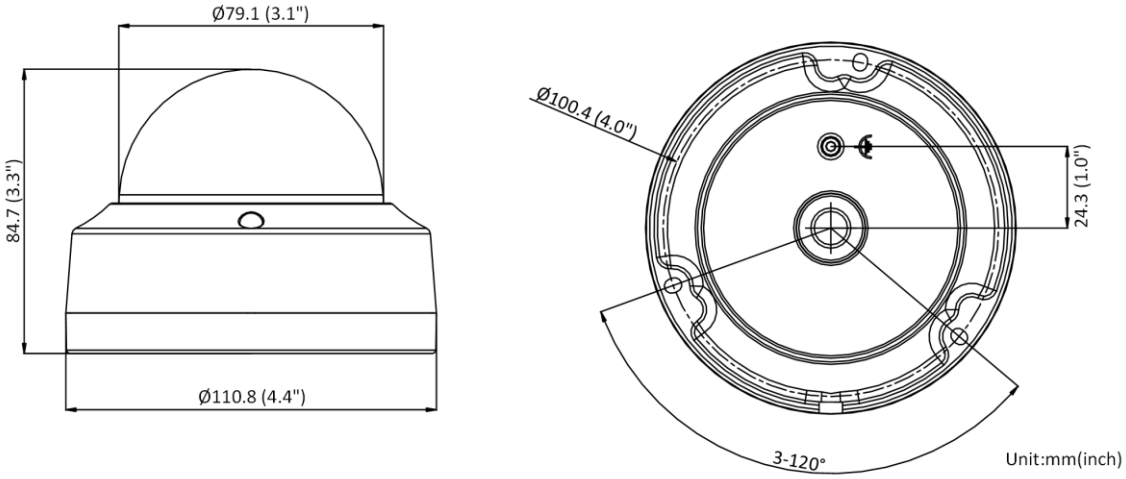
DS-2CD3121G2-I(2.8mm)

DS-2CD3121G2-I(4mm)

DS-2CD3121G2-ISF(2.8mm)

DS-2CD3121G2-ISF(4mm)

▪ Dimension



▪ Accessory

▪ Optional

DS-1272ZJ-110B Wall mount	DS-1258ZJ Wall mount	DS-1272ZJ-110 Wall mount	DS-1271ZJ-110 Pendant Mount	DS-1275ZJ-SUS Vertical pole mount
				
DS-1276ZJ-SUS Corner mount	**DS-1280ZJ-DM18 Junction box**	**DS-1259ZJ Inclined ceiling mount**	**DS-1250ZJ Water-proof**	**DS-2280ZJ-WA110 Junction box**
				
DS-2210ZJ-WA-110 Pendant Mount	**DS-2200ZJ-WA-110 Wall mount**	**DS-2200ZJ-WAJ-110 Wall mount**		
				

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