

DS-2CD2027G2-L(U) 2 MP ColorVu Fixed Bullet Network Camera













Hikvision ColorVu technology provides 24/7 vivid colorful images with F1.0 advanced lenses and high performance sensors. F1.0 super-aperture collects more light to produce brighter images. Advanced sensor technology can vastly improve the utilization of available light.

- High quality imaging with 2 MP resolution
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 120 dB WDR technology
- 24/7 colorful imaging
- Focus on human and vehicle classification based on deep learning
- -U: Built-in microphone for real-time audio security
- Water and dust resistant (IP67)





Specification

Camera			
Image Sensor	1/2.8" Progressive Scan CMOS		
Min. Illumination	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with Light		
Shutter Speed	1/3 s to 1/100,000 s		
Slow Shutter	Yes		
P/N	P/N		
Wide Dynamic Range	120 dB		
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°		
Lens			
Lens Type	Fixed focal lens, 2.8, 4, and 6 mm optional		
Iris Type	Fixed		
	2.8 mm, 1.7 m to ∞		
Depth of Field	4 mm, 2.3 m to ∞		
	6 mm, 5.3 m to ∞		
	2.8 mm, horizontal FOV 107°, vertical FOV 56°, diagonal FOV 127°		
Focal Length & FOV	4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 99°		
	6 mm, horizontal FOV 55°, vertical FOV 30°, diagonal FOV 63°		
Aperture	F1.0		
Lens Mount	M12		
DORI			
	2.8 mm, D: 46 m, O: 18 m, R: 9 m, I: 4 m		
DORI	4 mm, D: 56 m, O: 22 m, R: 11 m, I: 5 m		
	6 mm, D: 83 m, O: 33 m, R: 16 m, I: 8 m		
Illuminator			
White Light Range	40 m		
Smart Supplement Light	Yes		
Video			
Max. Resolution	1920 × 1080		
Main Chuann	50 Hz: 25 fps (1920 × 1080, 1280 × 720)		
Main Stream	60 Hz: 30 fps (1920 × 1080, 1280 × 720)		
Cula Chuanus	50 Hz: 25 fps (640 × 480, 640 × 360)		
Sub-Stream	60 Hz: 30 fps (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)		
	*Third stream is supported under certain settings.		
	Main stream: H.265/H.264/H.265+/H.264+		
Video Compression	Sub-stream: H.265/H.264/MJPEG		
	Third stream: H.265/H.264		
	*Third stream is supported under certain settings.		
Video Bit Rate	32 Kbps to 8 Mbps		
H.264 Type	Baseline Profile/Main Profile/High Profile		
H.265 Type	Main Profile		
H.264+	Main stream supports		



H.265+	Main stream supports		
Bit Rate Control	CBR/VBR		
Scalable Video Coding (SVC)	H.265 and H.264 encoding		
Region of Interest (ROI)	1 fixed region for main stream and sub-stream		
Audio			
Environment Noise Filtering	-U: Yes		
Audio Sampling Rate	-U: 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz		
Audio Compression	-U: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC		
A II BU D :	-U: 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps		
Audio Bit Rate	(MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC)		
Network			
Simultaneous Live View	Up to 6 channels		
API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK		
	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP,		
Protocols	IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, WebSocket,		
	WebSockets		
User/Host	Up to 32 users. 3 user levels: administrator, operator and user		
	Password protection, complicated password, HTTPS encryption, IP address filter,		
Security	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		
	Plug-in required live view: IE 10+		
Web Browser	Plug-in free live view: Chrome 57.0+, Firefox 52.0+		
	Local service: Chrome 57.0+, Firefox 52.0+		
Image			
SNR	≥ 52 dB		
Day/Night Switch	Day, Night, Auto, Schedule		
Image Enhancement	BLC, HLC, 3D DNR		
Image Parameters Switch	Yes		
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance		
mage settings	adjustable by client software or web browser		
Interface			
Built-in Microphone	-U: Yes		
On-Board Storage	Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB		
Reset Key	Yes		
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port		
Event			
Basic Event	Motion detection (human and vehicle targets classification), video tampering alarm,		
	exception		
Smart Event	Scene change detection		
Deep Learning Function			
Face Capture	Yes		



Perimeter Protection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection		
	Supports human and vehicle targets classification		
General			
Linkage Method	Upload to NAS/memory card/FTP, notify surveillance center, trigger recording, trigger capture, send email		
Firmware Version	V5.5.113		
	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		
0 15 1	Anti-flicker, heartbeat, mirror, privacy mask, flash log, password reset via email, pixel		
General Function	counter		
Software Reset	Yes		
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)		
	12 VDC ± 25%		
Power Supply	PoE: 802.3af, 36 V to 57 V, Class 3		
	12 VDC, 0.5 A, max. 6.0 W		
Power Consumption and Current	PoE (802.3af, 36 V to 57 V), 0.25 A to 0.15 A, max. 7.5 W		
Power Interface	Ø5.5 mm coaxial power plug		
Dimension	215.2 mm × 78.8 mm × 78.6 mm (8.5" × 3.1" × 3.1")		
Package Dimension	315 mm × 137 mm × 141 mm (12.4" × 5.4" × 5.6")		
Weight	Approx. 680 g (1.5 lb.)		
With Package Weight	Approx. 1000 g (2.2 lb.)		
Approval			
	FCC SDoC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014,		
EMC	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)		
	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014);		
Safety	CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); BIS (IS		
,	13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)		
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)		
Protection	IP67 (IEC 60529-2013)		
	11 07 (120 00020 2010)		

Available Model

DS-2CD2027G2-L (2.8/4/6 mm) DS-2CD2027G2-LU (2.8/4/6 mm)

Typical Application

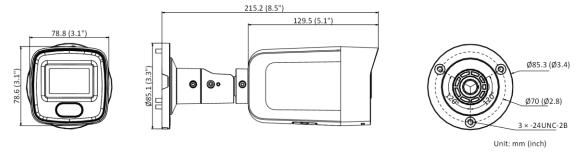
Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.



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.

Dimension



Accessory

Optional

DS-1280ZJ-S Junction Box	DS-1275ZJ-SUS Vertical Pole Mount	DS-1276ZJ-SUS Corner Mount



Distributed by

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