

## DS-2CD2047G2-LU/SL

4 MP ColorVu Strobe Light and Audible Warning Fixed Mini Bullet Network Camera

# ColorVu



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 4 MP resolution
- Efficient H.265+ compression technology
- Clear imaging against strong backlight due to 130 dB WDR technology
- Focus on human and vehicle targets classification based on deep learning
- 24/7 colorful imaging
- Active strobe light and audio alarm to warn intruders off
- Provide real-time security via built-in two-way audio
- Water and dust resistant (IP67)



## ▪ Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with white light
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Wide Dynamic Range	130 dB
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Lens	
Focal Length & FOV	2.8 mm, horizontal FOV 111.9°, vertical FOV 60.5°, diagonal FOV 133.6° 4 mm, horizontal FOV 95.2°, vertical FOV 50.6°, diagonal FOV 114.7° 6 mm, horizontal FOV 58.4°, vertical FOV 31°, diagonal FOV 68.7°
Lens Mount	M16
Aperture	F1.0
Depth of Field	2.8 mm: 3.1 m to ∞ 4 mm: 5.4 m to ∞ 6 mm: 12.1 m to ∞
DORI	
DORI	2.8 mm, D: 58.2 m, O: 23.1 m, R: 11.6 m, I: 5.8 m 4 mm, D: 77 m, O: 30.5 m, R: 15.4 m, I: 7.7 m 6 mm, D: 115.6 m, O: 45.9 m, R: 23.1 m, I: 11.6 m
Illuminator	
Smart Supplement Light	Yes
White Light Range	Up to 40 m
Visual Alarm	Yes
Video	
Max. Resolution	2688 × 1520
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) *Third stream is supported under certain settings.
Video Compression	Main stream: H.265/H.264/H.265+/H.264+ 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
<b>Audio</b>	
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)/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
<b>Network</b>	
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, ARP, WebSocket, WebSockets
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), 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), MicroSD/SDHC/SDXC card (512 GB) local storage Together with high-end Hikvision memory card, memory card encryption and health detection are supported
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+
<b>Image</b>	
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	Auto, Schedule
SNR	≥ 52 dB
Image Enhancement	BLC, HLC, 3D DNR
<b>Interface</b>	
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
Built-in Speaker	1.2 W, 10 cm: 95 dB
Hardware Reset	Yes
<b>Event</b>	
Basic Event	Motion detection (human and vehicle targets classification), video tampering alarm, exception
Smart Event	Scene change detection
<b>Deep Learning Function</b>	
Face Capture	Yes

Perimeter Protection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection Supports human and vehicle targets classification
<b>General</b>	
Linkage Method	Upload to NAS/memory card/FTP, notify surveillance center, trigger recording, trigger capture, send email, strobe light, audible warning, trigger alarm output
Camera Material	Aluminum alloy body
Camera Dimension	Ø74.4 mm × 179.2 mm (Ø2.9" × 7.1")
Package Dimension	234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")
Camera Weight	Approx. 510 g (1.1 lb.)
With Package Weight	Approx. 760 g (1.7 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)
Web Client 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, mirror, privacy mask, flash log, password reset via email, pixel counter
Firmware Version	V5.5.114
Software Reset	Yes
Power Consumption and Current	12 VDC, 0.5 A, max. 6 W PoE (802.3af, 36 V to 57 V), 0.25 A to 0.15 A , max. 7.5 W
Power Supply	12 VDC ± 25% PoE: 802.3af, Class 3
Power Interface	Ø5.5 mm coaxial power plug
<b>Approval</b>	
EMC	FCC SDoC: 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 VoC: 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, IEC 62368-1:2014; CE-LVD: EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014; 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

## ▪ Available Model

DS-2CD2047G2-LU/SL (2.8/4/6 mm)

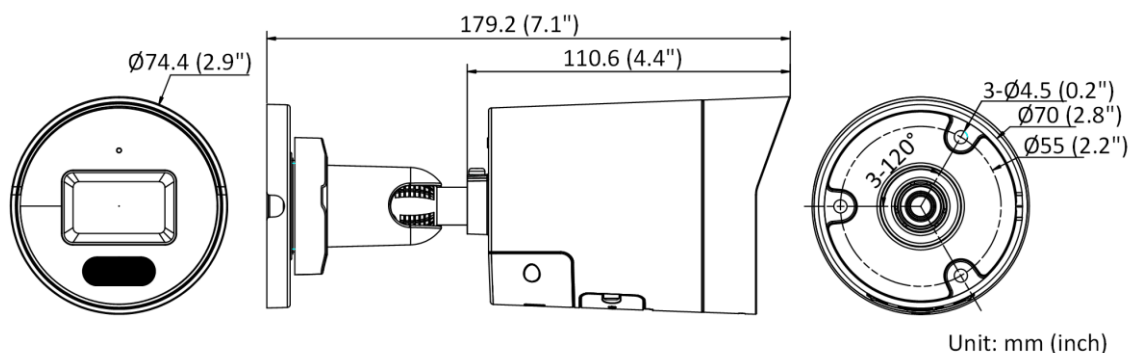
## ▪ Typical Application

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



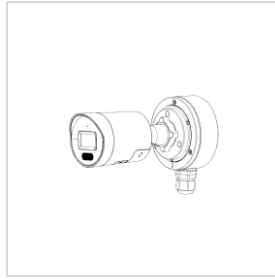
## ▪ Accessory

### ▪ Optional

**DS-1280ZJ-XS**

**Junction Box**





Distributed by

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