

DS-2CD1047G0-L(UF) 4 MP ColorVu Fixed 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
- Excellent low-light performance
- Efficient H.265+ compression technology
- Water and dust resistant (IP67)
- 24/7 colorful imaging

▪ Specification

| Camera | |
|-----------------------------|---|
| Image Sensor | 1/3" Progressive Scan CMOS |
| Min. Illumination | Color: 0.001 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 | 120 dB |
| Angle Adjustment | Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360° |
| Lens | |
| Focal Length & FOV | 2.8 mm, horizontal FOV 96.5°, vertical FOV 50.8°, diagonal FOV 113.9° 4 mm, horizontal FOV 75.8°, vertical FOV 40.8°, diagonal FOV 89.1° |
| Lens Mount | M12 |
| Focus | Fixed |
| Aperture | F1.0 |
| DORI | |
| DORI | 2.8 mm, D: 64.0 m, O: 25.4 m, R: 12.8 m, I: 6.4 m 4 mm, D: 77.4 m, O: 30.7 m, R: 15.5 m, I: 7.7 m |
| Illuminator | |
| Smart Supplement Light | Yes |
| White Light Range | Up to 30 m |
| Video | |
| Max. Resolution | 2560 × 1440 |
| Main Stream | 50 Hz: 20 fps (2560 × 1440), 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1440), 30 fps (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) |
| Video Compression | Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG |
| 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 |
| Region of Interest (ROI) | 1 fixed region for main stream |
| Audio | |
| Audio Compression | -UF: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC |
| Audio Bit Rate | -UF: 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC) |
| Audio Sampling Rate | -UF: 8 kHz/16 kHz |
| Environment Noise Filtering | -UF: Yes |

| Network | |
|----------------------------------|---|
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IGMP, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLS |
| Simultaneous Live View | Up to 6 channels |
| API | Open Network Video Interface, ISAPI |
| User/Host | Up to 32 users. 3 levels: administrator, operator and user |
| Client | iVMS-4200, Hik-Connect |
| Web Browser | Plug-in required live view: IE 10+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ |
| Image | |
| Image Settings | Saturation, brightness, contrast, sharpness, AGC, white balance adjustable by client software or web browser. |
| Day/Night Switch | Day, Night, Auto, Schedule |
| Image Enhancement | BLC, 3D DNR |
| Interface | |
| Ethernet Interface | 1 RJ45 10 M/100 M self-adaptive Ethernet port |
| On-Board Storage | -UF: Built-in memory card slot, support microSD card, up to 256 GB |
| Built-in Microphone | -UF: Yes |
| Hardware Reset | -UF: Yes |
| Event | |
| Basic Event | Motion detection, video tampering alarm, exception |
| General | |
| Linkage Method | Upload to FTP/memory card (-UF), notify surveillance center, send email, trigger recording (-UF), trigger capture |
| Camera Material | Aluminum alloy body |
| Camera Dimension | Ø76.6 mm × 164.4 mm (Ø3" × 6.5") |
| Package Dimension | 234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6") |
| Camera Weight | Approx. 430 g (0.95 lb.) |
| With Package Weight | Approx. 648 g (1.42 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 | English, Ukrainian |
| General Function | Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter |
| Firmware Version | V5.5.122 |
| Power Consumption and Current | 12 VDC, 0.4 A, max. 5 W PoE: (802.3af, 36 V to 57 V), 0.2 A to 0.15 A, max. 6.5 W |
| Power Supply | 12 VDC ± 25% PoE: 802.3af, Class 3 |
| Power Interface | Ø5.5 mm coaxial power plug |

| Approval | |
|-------------|--|
| 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); 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); 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) |

▪ 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

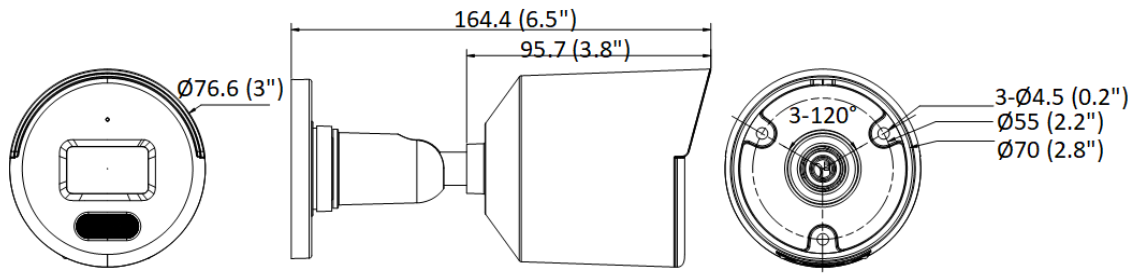
DS-2CD1047G0-LUF(2.8mm)(C)

DS-2CD1047G0-LUF(4mm)(C)

DS-2CD1047G0-L(2.8mm)(C)

DS-2CD1047G0-L(4mm)(C)





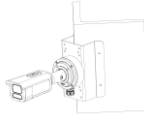

▪ **Dimension**



Unit: mm (inch)

▪ **Accessory**

▪ **Optional**

| DS-1275ZJ-SUS Vertical pole mount | DS-1276ZJ-SUS Corner mount | DS-1280ZJ-XS Junction box |
|---|---|--|
|  |  |  |
|  |  |  |

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