# 2 MP COLORVU 3.0 FIXED BULLET NETWORK CAMERA




## Short Description

The Hikvision DS-2CD1027G3-LIU is a 2MP Full HD bullet network camera designed for reliable indoor and outdoor surveillance. Featuring Smart Hybrid Light technology, built-in microphone, H.265+ video compression, and IP67 weatherproof protection, it delivers clear images and enhanced security performance day and night.

## Key Feature

- HikAI-ISP for excellent noise reduction effect
- Super clear 24/7 colorful imaging with ColorVu 3.0 technology
- Motion Detection 3.0, more accurate on person and vehicle classification
- Smart Hybrid Light: integrates IR and white lights, 3 supplemental lighting modes
- SL/-SRB: Provide real-time security via built-in two-way audio and strobe light alarm
- F: Support on-board storage up to 512 GB (SD card slot) (Optional)
- Water and dust resistant (IP67)

## Product Information

| | |
|---|---|
| **Model Number** | DS-2CD1027G3-LIU |
| **Brand** | Hikvision |
| **Category** | Internet Protocol (IP) Camera |
| **Availability** | Available |
| **Price Type** | Contact for price |

## Description

The Hikvision DS-2CD1027G3-LIU is a high-performance 2MP IP bullet camera engineered to provide dependable video surveillance for homes, offices, retail stores, warehouses, parking areas, and commercial facilities.

Equipped with a 1/2.8" Progressive Scan CMOS sensor, the camera captures crisp Full HD 1920 × 1080 images with exceptional low-light performance. Its Smart Hybrid Light technology combines infrared and white light illumination, providing visibility up to 30 meters and ensuring clear footage even in complete darkness.

The camera supports H.265+ compression technology, significantly reducing bandwidth and storage requirements without compromising image quality. A built-in microphone enables synchronized audio recording, adding another layer of security monitoring.

With advanced image enhancement features including 120 dB WDR, 3D DNR, BLC, and HLC, the DS-2CD1027G3-LIU delivers balanced and detailed images in challenging lighting conditions. Motion detection with human and vehicle classification improves alarm accuracy and minimizes false alerts.

Designed for harsh environments, the camera features an IP67-rated weatherproof housing, making it suitable for both indoor and outdoor installations. It supports PoE (Power over Ethernet) for simplified installation and seamless integration with Hik-Connect, iVMS-4200, and ONVIF-compatible systems.

## Technical Specifications

| | |
|---|---|
| **Image** | |
| 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 | 4 programmable rectangular privacy masks |
| **Interface** | |
| Ethernet Interface | 1 RJ45 10 M/100 M self-adaptive Ethernet port |
| Ethernet Interface | 1 RJ45 10 M/100 M self-adaptive Ethernet port |
| On-Board Storage | N/A |
| Built-in Microphone | Yes,1 built-in microphone |
| Built-in Speaker | N/A |
| Built-in Speaker | N/A |
| Reset Key | N/A |
| **Event** | |
| Basic Event | Motion detection (support alarm triggering by specified target types (person and vehicle)), video tampering alarm, exception |
| Linkage | Upload to memory card/FTP,notify surveillance center,send email,trigger capture |
| **General** | |

| | |
|---|---|
| Power | 12 VDC ± 25%, 0.55 A, max. 6.6 W,Ø5.5 mm coaxial power plug, reverse polarity protection,<br>PoE: IEEE 802.3af, Class 3, max. 8 W |
| Material | Front cover: metal, body: plastic, bracket: plastic |
| Dimension | 69.1 mm × 66.9 mm × 172.9 mm (2.7" × 2.6" × 6.8") |
| Startup and Operating Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing) |
| **Camera Specifications** | |
| Image Sensor | 1/2.8" Progressive Scan CMOS |
| Max. Resolution | 1920 × 1080 |
| Min. Illumination | Color: 0.0005 Lux @ (F1.0, AGC ON),0 Lux with light |
| Shutter Time | 1 s to 1/100,000 s |
| Day & Night | IR cut filter |
| Angle Adjustment | Pan: 0° to 360°,tilt: 0° to 90°,rotate: 0° to 360° |
| **Lens** | |
| Lens Type | Fixed focal lens, 2.8 and 4 mm optional |
| Focal Length & FOV | 2.8 mm, horizontal FOV 106°, vertical FOV 56°, diagonal FOV 129°<br>4 mm, horizontal FOV 88°, vertical FOV 47°, diagonal FOV 103° |
| Lens Mount | M12 |
| Iris Type | Fixed |
| Aperture | F1.0 |
| Depth of Field | 2.8 mm: 1.2 m to ∞<br>4 mm: 1.3 m to ∞ |
| **Illuminator** | |
| Supplement Light Type | IR, White Light |
| 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)<br>60 Hz: 30 fps (1920 × 1080, 1280 × 720) |
| Sub-Stream | 50 Hz: 25 fps (640 × 480, 640 × 360)<br>60 Hz: 30 fps (640 × 480, 640 × 360) |
| Video Compression | Main stream: H.265+/H.265/H.264+/H.264<br>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 |
| Scalable Video Coding (SVC) | H.264 and H.265 encoding |
| Region of Interest (ROI) | 1 fixed region for main stream and sub-stream |
| **video** | |
| Bit Rate Control | CBR, VBR |
| **Audio** | |
| Audio Type | Mono sound |
| Audio Compression | G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC/MP3 |
| Audio Bit Rate | 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)/8 to 160 Kbps(MP3) |
| Audio Sampling Rate | 8 kHz/16 kHz |
| Environment Noise Filtering | Yes |
| **Network** | |

| | |
|---|---|
| Protocols | TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP |
| Simultaneous Live View | Up to 6 channels |
| API | ONVIF (Profile S, Profile G, Profile T),ISAPI,SDK |
| User/Host | Up to 32 users<br>3 user levels: administrator, operator, and user |
| Security | Password protection, complicated password, watermark, basic and digest authentication for HTTP, WSSE and digest authentication for Open Network Video Interface, security audit log, host authentication (MAC address) |
| Client | iVMS-4200;Hik-Connect |
| Web Browser | Plug-in required live view: Chrome 80+, Firefox 80+, Edge 89+, Safari 13+<br>Plug-in free live view: Chrome 80+, Firefox 80+, Edge 89+ |