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
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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, 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° 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 ∞ 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) 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)
Video Compression	Main stream: H.265+/H.265/H.264+/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
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 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+ Plug-in free live view: Chrome 80+, Firefox 80+, Edge 89+