DS-2CD2047G3-LI2UY(2.8mm)

Hikvision 4MP Smart Hybrid Light with ColorVU fixed Mini Bullet Network camera with 2.8mm Lens

Product Overview

Hikvision 4MP Smart Hybrid Light with ColorVU fixed Mini Bullet Network camera with 2.8mm Lens, Two-Way Audio strobe & audible Alarm, White flashing Light, 2688x1520 maximum Resolution, White Light & IR up to 40 m, H.265 / H.264 / H.265+ / H.264+ Video Compression, 1 fixed region of interest (ROI), Mono Sound, Up to 6 channels simultaneous live View, 130 dB wide Dynamic range (WDR), BLC, HLC, 3D DNR, Distortion correction, Defog, EIS Image stabilization, 4 programmable polygon Privacy masks, 1x RJ45 10M/100M Self-Adaptive Ethernet Port, Built-In Memory card slot, Arrayed dual-microphone, Motion Detection, Face Capture, IP67 protection





Specifications

Overview Summary:

Secure your property with the Hikvision 4MP Smart Hybrid Light ColorVu Fixed Mini Bullet Network Camera. Designed for reliable day and night monitoring, this camera delivers clear colour imaging, smart lighting, built-in audio, strobe alerts and intelligent human and vehicle detection. Buy now for advanced security coverage with professional-grade features.

The Hikvision DS-2CD2047G3-LI2UY(2.8mm) camera offers durable outdoor protection with IP67 resistance, PoE support, local storage and powerful image enhancement technologies. Shop now for a dependable surveillance solution suitable for homes, offices and commercial installations.

Performance tier: Professional

Uses: Home security, office surveillance, commercial security, perimeter monitoring, outdoor property protection

Overview:

Advanced 4MP ColorVu Security Camera for Day and Night Protection
The Hikvision DS-2CD2047G3-LI2UY is a professional 4MP fixed mini bullet network camera designed to deliver reliable surveillance in both daylight and complete darkness. Equipped with ColorVu technology and Smart Hybrid Light, it captures vivid full-color images around the clock while intelligently adapting to changing lighting conditions. Built-in two-way audio, active strobe lighting, and an audible alarm help provide an immediate response to potential security threats, making it an excellent choice for homes, businesses, warehouses, offices, and commercial properties.

Description:

Designed for users who require dependable, high-quality security monitoring, the Hikvision DS-2CD2047G3-LI2UY combines intelligent imaging, AI-powered detection, and durable outdoor construction in a compact mini bullet design. Deep learning technology focuses on people and vehicles to reduce false alarms, while ColorVu imaging and Smart Hybrid Light ensure exceptional visibility in low-light environments. With IP67 weather protection, built-in microphones, two-way communication, and support for onboard storage, this camera delivers a complete surveillance solution for demanding indoor and outdoor installations.

Features:

Clear Imaging with ColorVu Technology
The advanced 4MP sensor captures images at a maximum resolution of 2688 x 1520, delivering sharp detail for identifying people, vehicles, and important events. ColorVu technology provides vibrant full-color images throughout the night, improving visibility compared to conventional infrared-only cameras.

HikAI-ISP image processing further enhances image quality by reducing noise and improving clarity, even in challenging lighting conditions.

Smart Hybrid Light for Flexible Night Surveillance
The integrated Smart Hybrid Light system combines infrared illumination with white LED lighting, allowing the camera to automatically adapt to different environments. Three supplemental lighting modes help optimize visibility while balancing image quality and energy efficiency.

Lighting capabilities include:

- White light illumination up to 40 metres
- Infrared illumination up to 40 metres
- Automatic Smart Hybrid Light operation
- Active white flashing warning light

AI Detection for More Accurate Alerts
Deep learning technology helps distinguish between people and vehicles, reducing unwanted notifications caused by animals, weather, or other movement. This allows security personnel and property owners to focus on genuine security events.

Additional intelligent capabilities include:

- Motion detection
- Face capture
- Person and vehicle classification
- One configurable Region of Interest (ROI)

Built-In Audio and Active Deterrence
The camera includes dual array microphones for clear audio recording and supports two-way audio, allowing communication directly through the camera. When suspicious activity is detected, the integrated strobe light and audible alarm can actively discourage intruders.

Audio and alarm functions include:

- Two-way audio communication
- Built-in arrayed dual microphones
- Mono audio recording
- Active strobe warning light
- Audible security alarm

Professional Image Enhancement
A range of advanced image optimization technologies ensures excellent image quality across varying lighting and environmental conditions.

Key imaging technologies include:

- 130 dB Wide Dynamic Range (WDR)
- Scene-adaptive WDR
- Backlight Compensation (BLC)
- Highlight Compensation (HLC)
- 3D Digital Noise Reduction
- Electronic Image Stabilization (EIS)
- Defog enhancement
- Distortion correction
- Four programmable polygon privacy masks

Reliable Network Performance
The camera supports efficient H.265 and H.264 compression formats to reduce bandwidth and storage usage while maintaining excellent image quality. It also allows simultaneous live viewing across multiple channels for flexible remote monitoring.

Supported technologies include:

- H.265
- H.265+
- H.264
- H.264+
- Up to 6 simultaneous live view channels
- RJ45 10/100 Mbps self-adaptive Ethernet port
- Built-in memory card slot for local recording

Built for Outdoor Security
Designed for long-term reliability, the camera features an IP67-rated weather-resistant enclosure that protects against dust and water. Its anti-corrosion construction offers greater durability than standard outdoor cameras, making it suitable for demanding environments.

Technical Highlights

- 4MP maximum resolution of 2688 x 1520
- Fixed 2.8 mm lens
- ColorVu 24/7 full-color imaging
- Smart Hybrid Light with IR and white light
- Up to 40 m illumination distance
- Built-in dual microphones
- Two-way audio communication
- Active strobe light and audible alarm
- Deep learning person and vehicle detection
- Face capture support
- IP67 weather-resistant housing
- Built-in memory card slot
- RJ45 10/100 Mbps Ethernet connectivity

Ideal Applications

This Hikvision network camera is well suited for retail stores, offices, residential properties, industrial facilities, warehouses, schools, parking areas, entrances, and perimeter monitoring where high-quality colour surveillance and intelligent detection are essential.

When ordering or requesting support, refer to Part Number / SKU DS-2CD2047G3-LI2UY(2.8mm) to ensure you receive the correct Hikvision camera model.

Specifications:

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Specifications	
Product Code	DS-2CD2047G3-LI2UY(2.8mm)
Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	2688 x 1520
Min. Illumination	Color: 0.0001 Lux @ (F1.0, AGC ON),0 Lux with light
Shutter Time	1 s to 1 / 100,000 s
Angle Adjustment	Pan: 0degrees to 360degrees,tilt: 0degrees to 90degrees,rotate: 0degrees to 360degrees
Day & Night	IR cut filter
Lens	
Focal Length & FOV	2.8 mm, horizontal FOV 111.1degrees, vertical FOV 57.6degrees, diagonal FOV 138.5degrees
	4 mm, horizontal FOV 95.2degrees, vertical FOV 48.3degrees, diagonal FOV 117.4degrees
Lens Type	Fixed focal lens, 2.8 and 4 mm optional
Lens Mount	M16
Iris Type	Fixed
Aperture	F1.0
Depth of Field	2.8 mm: 2.5 m to ?
	4 mm: 3.1 m to ?
DORI	
DORI	2.8 mm: D: 61 m, O: 24 m, R: 12 m, I: 6 m
	4 mm: D: 75 m, O: 30 m, R: 15 m, I: 7 m
Illuminator	
Supplement Light Type	White Light,IR
Supplement Light Range	Up to 40 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	

Main Stream	50 Hz: 25 fps (2688 x 1520, 1920 x 1080, 1280 x 720)
	60 Hz: 30 fps (2688 x 1520, 1920 x 1080, 1280 x 720)
Sub-Stream	50 Hz: 25 fps (1280 x 720, 640 x 480, 640 x 360)
	60 Hz: 30 fps (1280 x 720, 640 x 480, 640 x 360)
Third Stream	50 Hz: 10 fps (1920 x 1080, 1280 x 720, 640 x 480, 640 x 360)
	60 Hz: 10 fps (1920 x 1080, 1280 x 720, 640 x 480, 640 x 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
Bit Rate Control	CBR,VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	1 fixed region for main stream
Audio	
Audio Type	Mono sound
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 Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz
Environment Noise Filtering	Yes
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, WebSocket, WebSockets, SRTP, SFTP
Simultaneous Live View	Up to 6 channels
API	ONVIF (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP
User/Host	Up to 32 users
	3 user levels: administrator, operator, and user
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.1/1.2/1.3, host authentication (MAC address)
Network Storage	NAS (NFS, SMB/CIFS),Auto Network Replenishment (ANR)
Client	iVMS-4200,Hik-Connect,Hik-Central

Web Browser	Plug-in free live view: Chrome 80+, Firefox 80+, Edge 89+
	Local service: Chrome 80+, Firefox 80+, Edge 89+
Image	
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	Day,Night,Auto,Schedule
Wide Dynamic Range (WDR)	130 dB
SNR	>= 52 dB
Image Enhancement	BLC,HLC,3D DNR,Distortion Correction,Defog
Image Stabilization	EIS
Privacy Mask	4 programmable polygon privacy masks
Interface	
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 Speaker	Max. power consumption: 2 W, max. sound pressure level: 10 cm: 110 dB.
Audio	Built-in Microphone: Arrayed dual-microphone
Reset Key	Yes
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)),video tampering alarm,exception
Smart Event	Scene change detection
Linkage	Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger recording,trigger capture,audible warning,strobe light flashing
Deep Learning Function	
Face Capture	Yes
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting
	Support alarm triggering by specified target types (human and vehicle)
General	
Power	12 VDC +/- 25%, 1 A, max. 12 W,Ø5.5 mm coaxial power plug,reverse polarity protection
	PoE: IEEE 802.3at, Class 4, max. 16 W
Material	Front cover: Metal, body: Metal, bracket: Metal
Weight	Approx. 530 g (1.2 lb.)
With Package Weight	Approx. 815 g (1.8 lb.)
Dimension	Ø74.4 mm x 176.3 mm (Ø2.93" x 6.94")
Package Dimension	234 mm x 120 mm x 117 mm (9.2" x 4.7" x 4.6")
Storage Conditions	-30 degreesC to 60 degreesC (-22 degreesF to 140 degreesF). Humidity 95% or less (non-condensing)

Startup and Operating Conditions	-30 degreesC to 60 degreesC (-22 degreesF to 140 degreesF). Humidity 95% or less (non-condensing)
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	Heartbeat,mirror,flash log,password reset via email,pixel counter,anti-banding
Flashing Light	/SRB model: Red and Blue Light
	/SL model: White Light
Approval	
Safety	UL: UL 62368-1
	CB: IEC 62368-1: 2014+A11
	CE-LVD: EN 62368-1: 2014/A11: 2017
Environment	CE-RoHS: 2011/65/EU
EMC	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021
	RCM: AS/NZS CISPR 32: 2015
	IC: ICES-003: Issue 7
	KC: KN32: 2015, KN35: 2015
Protection	IP67: IEC 60529-2013
Anti-Corrosion Protection	NEMA 4X (NEMA 250-2018)

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/DS-2CD2047G3-LI2UY-2-8mm-Hikvision-4MP-Smart-Hybrid-Light-with-ColorVU-fixed-Mini-p-339098.php

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