



Hikvision DS-2CD1047G3-LIU

· Specification summary



Device class	ColorVu 3.0 Fixed Bullet Network Camera
Image sensor	Progressive-scan CMOS
Low-light reference	Color 0.0005 lux at F1.0 with AGC on; 0 lux with light
Shutter range	1 s to 1/100,000 s
Day/night filter	IR cut filter
Angle adjustment	Pan 0 to 360°; tilt 0 to 90°; rotation 0 to 360°
Lens options	Fixed 2.8 mm or 4 mm lens; confirm the supplied lens, not a motorized zoom
2.8 mm field of view	2.8 mm lens: H 95.7°, V 51.7°, D 113.7°
4 mm field of view	4 mm lens: H 79.6°, V 43.2°, D 93.2°
Lens mount	M12
Iris type	Fixed
Aperture	F1.0
Depth-of-field reference	2.8 mm lens: 1.7 m to infinity; 4 mm lens: 1.6 m to infinity
Supplemental light	IR and white light
Supplemental light range	Manufacturer reference up to 30 m; actual illumination and identification distance depend on the scene
Smart supplemental light	Listed by the manufacturer; confirm the selected illumination mode
IR wavelength	850 nm
Motion-event reference	Motion detection supports configured human/vehicle target triggering; performance depends on scene and settings
Other basic events	Video tampering and exception events
Main stream at 50 Hz	25 fps at 1920 × 1080 or 1280 × 720; confirm the required higher-resolution mode separately
Main stream at 60 Hz	24 fps at 1920 × 1080 or 1280 × 720; confirm the required higher-resolution mode separately
Sub-stream reference	50 Hz: 25 fps; 60 Hz: 24 fps; at 1280 × 720, 640 × 480 or 640 × 360
Main-stream compression	H.265+, H.265, H.264+ and H.264
Sub-stream compression	H.265, H.264 and MJPEG
Video bit-rate range	32 Kbps to 16 Mbps
H.264 profiles	Baseline, Main and High
H.265 profile	Main
Bit-rate control	CBR / VBR

Scalable video coding	H.264 and H.265 encoding
Region of interest	1 fixed region for the main stream and sub-stream
WDR reference	120 dB as stated by the manufacturer; actual scene performance depends on configuration
Signal-to-noise reference	At least 52 dB as stated by the manufacturer
Image enhancement	BLC, HLC and 3D DNR
Day/night switching	Day, Night, Auto and Schedule
Privacy-mask reference	4 programmable rectangular privacy masks
Ethernet interface	1 RJ45 10/100 Mbps self-adaptive Ethernet port
Built-in microphone	1 built-in microphone
Audio type	Mono sound
Audio codecs	G.711, G.722.1, G.726, MP2L2, PCM, MP3 and AAC-LC
Audio sampling	8 kHz or 16 kHz
Audio noise filtering	Environmental noise filtering listed
Simultaneous live-view reference	Up to 6 live-view channels; this is not six camera inputs
API/protocol reference	ONVIF Profiles S and G; ISAPI and SDK as manufacturer references; Profile T is not established by this exact Portuguese source
User/role reference	Up to 32 users; administrator, operator and user levels; not 32 simultaneous live-view streams
DC input reference	12 V DC $\pm$ 25%, 0.55 A; maximum 6.6 W; 5.5 mm coaxial plug with reverse-polarity protection
PoE input reference	IEEE 802.3af, Class 3; maximum 8 W camera input consumption, not output power
Operating temperature	-30 to 60 °C
Storage temperature	-30 to 60 °C
Humidity reference	95% or less, non-condensing
Protection reference	IP67 as stated by the manufacturer; not an installation or local-certification guarantee
Housing material	Front cover metal; body plastic; bracket plastic
Camera weight reference	Approximately 280 g; supplied configuration to confirm
Mounting accessory reference	Optional DS-1275ZJ-SUS, DS-1276ZJ-SUS and DS-1280ZJ-XS; not included package contents

Specifications are summarised from the manufacturer's published information (checked 2026-10-18). They describe the cited version only. Confirm the exact model, suffix and supplied revision before ordering. ISD confirms supply, price, availability and warranty separately.

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