Hikvision DS-2CD1083G2-LIUF

· Specification summary

Device class	8 MP Smart Hybrid Light Fixed Bullet Network Camera
Image sensor	1/2.7-inch progressive-scan CMOS
Maximum resolution	3840 × 2160
Low-light reference	Color 0.01 lux at F2.0 with AGC on; B/W 0 lux with IR
Shutter range	1/3 s to 1/100,000 s
Day/night reference	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 choices; confirm the supplied lens, not a motorized zoom
2.8 mm field of view	2.8 mm lens: H 113°, V 62°, D 134°
4 mm field of view	4 mm lens: H 90°, V 49°, D 108°
Lens mount	M12
Iris type	Fixed
Aperture	F2.0
2.8 mm DORI reference	2.8 mm lens: D 79 m, O 31 m, R 15 m, I 7 m; manufacturer reference, not a scene-performance guarantee
4 mm DORI reference	4 mm lens: D 102 m, O 40 m, R 20 m, I 10 m; manufacturer reference, not a scene-performance guarantee
Supplemental light	IR and white light
Supplemental light range	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 alarm and exception events
Main stream at 50 Hz	12.5 fps at 3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080 or 1280 × 720
Main stream at 60 Hz	15 fps at 3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080 or 1280 × 720
Sub-stream reference	50 Hz: 12.5 fps; 60 Hz: 15 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
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
Day/night switching	Day, Night, Auto and Schedule
Image enhancement	BLC, HLC and 3D DNR
Privacy-mask reference	4 programmable polygon privacy masks
Ethernet interface	1 RJ45 10/100 Mbps self-adaptive Ethernet port
Built-in microphone	Yes; built-in microphone is listed
Audio type	Mono sound
Audio codecs	G.711, G.722.1, G.726, MP2L2, PCM 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; not six camera inputs
API/protocol reference	ONVIF Profiles S and T; ISAPI and SDK; Profile G is separately qualified for -F
User/role reference	Up to 32 users; administrator, operator and user roles; not 32 simultaneous live-view streams
On-board storage	LIUF (-F) model only: microSD/microSDHC/microSDXC slot, up to 512 GB; card fitted/included and recording duration require confirmation
Reset key	LIUF (-F) model only: reset key listed
ONVIF Profile G	LIUF (-F) model only: Profile G explicitly qualified for -F; verify the actual recorder and firmware
DC input reference	12 V DC ±25%, 0.41 A; maximum 5 W; 5.5 mm coaxial plug with reverse-polarity protection
PoE input reference	IEEE 802.3af, Class 3; maximum 6.5 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
Corrosion reference	No specific anti-corrosion protection; IP67 does not establish a salt/corrosive-site rating
Housing material	Metal and plastic
Camera body dimensions	Body drawing: length 170.8, width 69.1, height 66 mm; confirm mounting and cable clearance

Camera weight reference	Approximately 285 g for the cited family; actual supplied configuration to confirm
Packaged weight reference	Approximately 481 g
Package dimensions	216 × 121 × 118 mm as listed; actual supplied package to confirm
Mounting accessory reference	Optional DS-1280ZJ-XS junction box, DS-1275ZJ-SUS pole mount and DS-1276ZJ-SUS corner mount; check required adapters, not confirmed 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.