



Hikvision DS-2CD2043G2-LI

· Specification summary



Device class	4 MP AcuSense Smart Hybrid Light Fixed Bullet Network Camera
Maximum resolution	2688 × 1520
Low-light reference	Color 0.005 lux at F1.6 with AGC on; 0 lux with supplemental light
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° for mounting adjustment, not motorized PTZ
Lens options	Fixed 2.8 mm, 4 mm or 6 mm lens choices; confirm the supplied lens, not motorized zoom
2.8 mm field of view	2.8 mm lens: H 104°, V 57°, D 122°
2.8 mm DORI reference	2.8 mm lens: D 63 m, O 25 m, R 12 m, I 6 m; manufacturer reference, not guaranteed scene performance
2.8 mm depth-of-field reference	2.8 mm lens: 1.4 m to infinity as printed; confirm focus and intended scene
4 mm field of view	4 mm lens: H 84°, V 45°, D 100°
4 mm DORI reference	4 mm lens: D 78 m, O 31 m, R 15 m, I 7 m; manufacturer reference, not guaranteed scene performance
4 mm depth-of-field reference	4 mm lens: 1.5 m to infinity as printed; confirm focus and intended scene
6 mm field of view	6 mm lens: H 52°, V 28°, D 61°
6 mm DORI reference	6 mm lens: D 128 m, O 50 m, R 25 m, I 12 m; manufacturer reference, not guaranteed scene performance
6 mm depth-of-field reference	6 mm lens: 3.5 m to infinity as printed; confirm focus and intended scene
Lens mount	M12
Iris type	Fixed
Aperture	F1.6
Supplemental light	IR and white light
Supplemental light range	Up to 40 m; actual illumination and identification distances vary with scene and configuration
IR wavelength	850 nm

Smart supplemental light	Listed; confirm the selected illumination mode
Supplemental-light modes	4 supplemental-light modes as stated on the manufacturer cover; confirm actual firmware and selected mode
Motion-event classification	Motion detection supports configured human/vehicle target triggering; performance depends on scene and settings
Other basic events	Video tampering and exception events
Perimeter-event reference	Line crossing and intrusion with configured human/vehicle target triggering; confirm scene and rules
Face-detection reference	Face detection is listed; this is not face recognition or identity matching
Main stream at 50 Hz	25 fps at 2688 × 1520, 1920 × 1080 or 1280 × 720
Main stream at 60 Hz	30 fps at 2688 × 1520, 1920 × 1080 or 1280 × 720
Sub-stream reference	50 Hz: 25 fps; 60 Hz: 30 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 8 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 main stream and sub-stream
Target-cropping reference	Target cropping listed; confirm intended stream and settings
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	8 programmable polygon privacy masks
Ethernet interface	1 RJ45 10/100 Mbps self-adaptive Ethernet port
API/protocol reference	ONVIF Profiles S and G; ISAPI, SDK and ISUP as printed; confirm actual recorder and firmware compatibility
Simultaneous live-view reference	Up to 6 live-view channels; not six camera inputs
User/role reference	Up to 32 users; administrator, operator and user roles, not 32 simultaneous live views
On-board storage	Built-in microSD/microSDHC/microSDXC slot, up to 512 GB; confirm fitted card and recording duration
Reset key	Reset key listed
Network-storage reference	NAS via NFS or SMB/CIFS and ANR are listed; confirm actual recorder/NAS, firmware and configuration

Card-health/encryption reference	Together with a high-end Hikvision memory card, memory-card encryption and health detection are listed; confirm the exact card and firmware
DC input reference	12 V DC $\pm$ 25%, 0.5 A; maximum 6 W; 5.5 mm coaxial power plug with reverse-polarity protection
PoE input reference	IEEE 802.3af, Class 3; maximum 7.5 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 salt/corrosive-site suitability
Housing material	Metal
Camera body dimensions	Body diameter 74.4 mm; length 176.3 mm, matching the dimension drawing; confirm mounting and cable clearance
Package dimensions	234 × 120 × 117 mm as printed; confirm actual supplied package
Camera weight reference	Approximately 515 g
Packaged weight reference	Approximately 760 g; confirm actual supplied package
Mounting accessory reference	Optional DS-1275ZJ-SUS vertical-pole mount, DS-1276ZJ-SUS corner mount and DS-1280ZJ-XS junction box are listed; confirm mounting method and adapters, 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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