



Hikvision DS-2CD2483G2-I

· Specification summary



Device class	8 MP AcuSense Built-in Mic Fixed Cube Network Camera
Image sensor	1/2.8-inch progressive-scan CMOS optical-format reference
Maximum resolution	3840 × 2160
Low-light reference	Color 0.008 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° for mounting adjustment, not motorized PTZ
Lens options	Fixed 2.8 mm or 4 mm lens choices; confirm the supplied lens, not motorized zoom
2.8 mm field of view	2.8 mm lens: H 107.8°, V 57.9°, D 126.7°
2.8 mm DORI reference	2.8 mm lens: D 85.5 m, O 33.9 m, R 17.1 m, I 8.6 m; manufacturer reference, not guaranteed scene performance
4 mm field of view	4 mm lens: H 82.8°, V 45.1°, D 98°
4 mm DORI reference	4 mm lens: D 110.3 m, O 43.8 m, R 22.1 m, I 11.0 m; manufacturer reference, not guaranteed scene performance
Lens mount	M12
Aperture	F2.0
Slow-shutter reference	Slow shutter listed; confirm selected exposure and intended scene
Supplemental light	IR
Supplemental light range	Up to 10 m; actual illumination and identification distances vary with scene and configuration
Smart supplemental light	Listed; confirm the selected illumination mode
IR wavelength	850 nm
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 listed; not face recognition or identity matching

PIR detection reference	Up to 8 m; H 90°, V 80° as stated; scene, mounting and body-temperature contrast affect detection, not the IR illumination range
Main stream at 50 Hz	12.5 fps at 3840 × 2160 or 3200 × 1800; 25 fps at 2688 × 1520, 1920 × 1080 or 1280 × 720
Main stream at 60 Hz	15 fps at 3840 × 2160 or 3200 × 1800; 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 and H.265+ as listed in this exact document
Sub-stream compression	H.265 and MJPEG as listed in this exact document
Third-stream reference	50 Hz and 60 Hz: 10 fps at 1920 × 1080, 1280 × 720, 640 × 480 or 640 × 360 as listed; confirm enabled configuration, not all-stream simultaneous performance
Third-stream compression	H.265 as listed in this exact document
Video bit-rate range	32 Kbps to 16 Mbps
H.265 profile	Main
Bit-rate control	CBR / VBR
Scalable video coding	Listed; confirm codec and stream combination
Region of interest	1 fixed region for main stream and sub-stream
WDR reference	120 dB as stated by the manufacturer; actual scene performance depends on configuration
Image enhancement	BLC, HLC and 3D DNR
Privacy-mask reference	Privacy masking listed; count not specified
Day/night switching	Day, Night, Auto and Schedule
Ethernet interface	1 RJ45 10/100 Mbps self-adaptive Ethernet port
API/protocol reference	ONVIF Profiles S, G and T; ISAPI and SDK 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 listed; confirm actual recorder/NAS, firmware and configuration
Built-in microphone	Built-in microphone listed; count not specified
Audio codecs	G.711, G.722.1, G.726, MP2L2, PCM, MP3 and AAC-LC
Audio sampling	8, 16, 32, 44.1 or 48 kHz
Audio noise filtering	Environmental noise filtering listed
Built-in speaker	Built-in speaker; power reference 1 W, maximum sound-pressure reference 91 dB at 10 cm; count not specified, not total camera consumption or guaranteed audible distance

Two-way audio	Built-in two-way audio stated on the manufacturer cover; confirm client, firmware, settings and intended audio workflow
DC input reference	12 V DC $\pm$ 25%, 0.5 A; maximum 5.9 W; 5.5 mm coaxial plug
PoE input reference	IEEE 802.3af, Class 3; 36 to 57 V, 0.13 to 0.2 A; maximum 6.9 W camera input consumption, not output power
Operating temperature	-10 to 40 °C
Storage temperature	-10 to 40 °C
Humidity reference	95% or less, non-condensing
Housing material	Plastic
Camera body dimensions	Camera body 102.9 mm high $\times$ 65.2 mm wide $\times$ 32.6 mm deep, excluding the stand; matches the body drawing
Stand drawing reference	Overall stand drawing height 134.6 mm; base width 75.6 mm as shown; not the camera-body-only dimensions or a packaging guarantee
Package dimensions	150 $\times$ 125 $\times$ 99 mm as printed; confirm actual supplied package
Camera weight reference	Approximately 120 g
Packaged weight reference	Approximately 340 g; confirm actual supplied package

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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