



Hikvision DS-2CD1023G2-I

· Specification summary

Device class	2 MP Fixed Bullet Network Camera
Image sensor	1/2.9-inch progressive-scan CMOS
Maximum resolution	1920 × 1080
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 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 104°, V 58°, D 123°
4 mm field of view	4 mm lens: H 81°, V 43°, D 96°
Lens mount	M12
Iris type	Fixed
Aperture	F2.0
2.8 mm DORI reference	2.8 mm lens: D 42 m, O 16 m, R 8 m, I 4 m; manufacturer reference, not a scene-performance guarantee
4 mm DORI reference	4 mm lens: D 57 m, O 22 m, R 11 m, I 5 m; manufacturer reference, not a scene-performance guarantee
Supplemental light	IR
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
Main stream at 60 Hz	30 fps at 1920 × 1080 or 1280 × 720
Sub-stream reference	50 Hz: 25 fps; 60 Hz: 30 fps; at 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
Region of interest	1 fixed region for the main stream
WDR reference	Digital WDR as stated for the I reference; not a numeric true-WDR/dB guarantee
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 polygon privacy masks
Ethernet interface	1 RJ45 10/100 Mbps self-adaptive Ethernet port
Simultaneous live-view reference	Up to 6 live-view channels; this is not six camera inputs
API/protocol reference	ONVIF Profiles S and T; ISAPI and SDK as manufacturer references; confirm the actual recorder, firmware and function
User/role reference	Up to 32 users; administrator, operator and user levels; not 32 simultaneous live-view streams
DC input reference	12 V DC $\pm 25\%$, 0.4 A; maximum 5 W; 5.5 mm coaxial power plug
PoE input reference	IEEE 802.3af, Class 3; input 36 to 57 V, 0.2 to 0.15 A; maximum 6.5 W
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, height 66, width 69.1 mm; allow extra mounting and cable clearance
Camera weight reference	I (-I) model only: approximately 265 g
Mounting accessory reference	Optional DS-1280ZJ-XS junction box; 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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