



Hikvision DS-2CD1023G0E-I

· Specification summary

Device class	2 MP fixed bullet network camera
Image sensor	1/2.7-inch progressive-scan CMOS.
Maximum image size	1920 × 1080, the 2 MP image reference.
Low-light conditions	Colour: 0.01 lux at F2.0 with AGC on. Black-and-white: 0 lux with IR. These are source conditions, not guaranteed colour detail in every scene.
Shutter and day/night optics	Shutter range 1/3 s to 1/100,000 s; an IR-cut filter is listed.
Manual installation aiming	Pan 0° to 360°, tilt 0° to 180° and rotate 0° to 360°. These are installation adjustments, not motorized PTZ, zoom or automatic tracking.
Fixed-lens choices	The sheet gives separate 2.8 mm and 4 mm fixed-lens references. Select one lens and confirm the complete order; this is not a motorized 2.8-to-4 mm zoom range.
2.8 mm field of view	With the 2.8 mm lens: horizontal 112.1°, vertical 60.0° and diagonal 132.2°.
4 mm field of view	With the 4 mm lens: horizontal 90.2°, vertical 48.6° and diagonal 107.6°.
Lens mount and aperture	M12 lens mount, fixed iris and F2.0 aperture.
Infrared lighting	Infrared supplement light, 850 nm wavelength, with smart supplement-light control listed.
Lighting range	IR lighting up to 30 m. This does not establish identification distance, face-recognition distance or guaranteed coverage.
Dynamic range	Digital WDR is listed. This is not a 120 dB true-WDR performance claim.
Image adjustment	Saturation, brightness, contrast, sharpness, AGC and white balance adjustable through the client or web browser; Day, Night, Auto and Schedule day/night selections.
Backlight and noise processing	BLC and 3D DNR are listed. Results depend on the scene and settings.
Main video stream	1920 × 1080 or 1280 × 720 at 25 fps in 50 Hz mode, or 30 fps in 60 Hz mode. Match the actual frequency and recording configuration.
Secondary video stream	640 × 480 or 640 × 360 at 25 fps in 50 Hz mode, or 30 fps in 60 Hz mode. These are separate from the main-stream resolutions.
Video encoding	Main stream: H.265, H.264, H.264+ or H.265+. Sub-stream: H.265, H.264 or MJPEG. Match recorder, client and configuration.
Video bitrate	32 Kbps to 8 Mbps. This is an encoding reference, separate from Ethernet link speed and a recorder input budget.
Region of interest	One fixed region for the main stream. This does not establish a region for every stream or an AI detection zone.
Ethernet interface	One RJ45 10/100 Mbit/s self-adaptive Ethernet port.

Network references	TCP/IP, RTSP, HTTPS and IPv6 appear in the protocol list. Confirm the firmware, security settings and actual receiving system; this is not an interoperability guarantee.
Integration references	The API row names Open Network Video Interface and ISAPI. Confirm the actual interface version and recorder integration; this row does not name an ONVIF Profile.
Live-view and account limits	Up to six simultaneous live-view channels; up to 32 users across administrator, operator and user levels. These are separate limits, not recording-channel capacity.
Client references	iVMS-4200 and Hik-Connect are listed. Confirm current versions, regional service availability and the intended workflow separately.
Basic events	Motion detection, video-tampering alarm and exception events are listed. These do not establish person/vehicle classification, face identification, ANPR or monitored response.
Event linkage	Upload to FTP, notify the surveillance centre and send email are source-listed linkage choices. Delivery, service setup and recipient configuration require separate verification.
DC power input	12 VDC $\pm$ 25%, 0.4 A, maximum 5 W, using a 5.5 mm coaxial power plug. Confirm supply quality, polarity and wiring.
PoE power input	IEEE 802.3af, Class 3: 36 to 57 V, 0.2 to 0.15 A and maximum 6.5 W. Size the switch budget; DC and PoE are alternatives, not wattages to add together.
Body and mounting-base dimensions	The body table lists 177.6 $\times$ 66.2 $\times$ 67.8 mm; the whole drawing also labels a 70 mm diameter mounting base. These are separate references, not a maximum installed envelope or wall-cutout specification.
Package dimensions	216 $\times$ 121 $\times$ 118 mm, separate from the body, mounting hardware and installation clearance.
Camera and packaged mass	Camera approximately 270 g; with package approximately 490 g. These are separate references and do not confirm accessories or freight charges.
Environment and protection	Storage and startup/operation: -30 to 60 °C, humidity at most 95%, non-condensing. IP67 is listed; protect connections and associated power equipment appropriately. This does not establish an IK impact or marine-corrosion grade.
Optional mounting combinations	DS-1280ZJ-XS junction box; DS-1276ZJ-SUS corner mount plus DS-1280ZJ-XS; DS-1275ZJ-SUS pole mount plus DS-1280ZJ-XS. These are optional; confirm the full assembly, clearance and inclusion separately.

Specifications are summarised from the manufacturer's published information (checked 2026-10-21). 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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