



Hikvision DS-2CD2183G2-LI

· Specification summary



Device class	8 MP Acusense Smart Hybrid Light Fixed Dome Network Camera
Image sensor	1/2.8-inch progressive-scan CMOS.
Maximum image size	3840 × 2160 (8 MP reference).
Illumination reference	Colour: 0.005 lux at F1.6 with AGC enabled; 0 lux with supplemental light. Actual image detail depends on scene, lighting and exposure.
Shutter-time reference	1/3 s to 1/100,000 s.
Day/night optics	IR-cut filter.
Manual installation aiming	Pan 0° to 355°, tilt 0° to 75°, rotate 0° to 355°. These are manual installation adjustments, not motorised PTZ.
Fixed-lens choices	Separate fixed 2.8 mm and 4 mm ordering choices. Confirm the supplied lens; this is not motorised zoom or two lenses included in one unit.
2.8 mm field of view	2.8 mm lens: horizontal 108°, vertical 59°, diagonal 127°.
4 mm field of view	4 mm lens: horizontal 88°, vertical 44°, diagonal 105°.
Mount,iris and aperture	M12 mount, fixed iris, F1.6.
Depth-of-field reference	2.8 mm: 1.7 m to infinity; 4 mm: 2.6 m to infinity. These are not face-identification distances.
2.8 mm DORI reference	2.8 mm lens: detection 84 m, observation 33 m, recognition 16 m, identification 8 m. Manufacturer planning values, not guaranteed site performance.
4 mm DORI reference	4 mm lens: detection 117 m, observation 46 m, recognition 23 m, identification 11 m. Manufacturer planning values, not guaranteed site performance.
Supplemental illumination	IR and white light with smart supplemental-light control; four lighting modes are described in this edition.
Light-distance reference	Up to 30 m. This is not a face-identification, recognition or alarm-distance guarantee.
IR wavelength	850 nm.
Wide dynamic range	120 dB WDR. Actual results depend on scene, exposure and configuration.
Image enhancement	BLC, HLC and 3D DNR are listed.
Privacy masking	Eight programmable polygon privacy masks.

50 Hz main stream	50 Hz: 20 fps at 3840 × 2160; 25 fps at 3200 × 1800, 2688 × 1520, 1920 × 1080 or 1280 × 720. Full-resolution recording is not 25 fps.
60 Hz main stream	60 Hz: 20 fps at 3840 × 2160; 30 fps at 3200 × 1800, 2688 × 1520, 1920 × 1080 or 1280 × 720. Full-resolution recording is not 30 fps.
Sub-stream reference	1280 × 720, 640 × 480 or 640 × 360: 25 fps in 50 Hz mode or 30 fps in 60 Hz mode.
Conditional third stream	Under certain settings only: 10 fps in 50 Hz or 60 Hz mode, at 1920 × 1080, 1280 × 720, 640 × 480 or 640 × 360. H.265 or H.264 is listed for this stream.
Video codecs	Main stream: H.265, H.264, H.264+ or H.265+. Sub-stream: H.265, H.264 or MJPEG. Match recorder, firmware and encoding settings.
Video bitrate	32 Kbps to 16 Mbps, with CBR or VBR. This is not Ethernet throughput or total recorder capacity.
Region-of-interest reference	One fixed ROI for the main stream and sub-stream.
Integration references	ONVIF Profile S and Profile G, ISAPI, SDK and ISUP are listed. Check actual recorder, software, firmware and workflow compatibility separately.
Viewing and user limits	Up to six simultaneous live-view channels; up to 32 users with administrator, operator and user levels. These are distinct limits, not recorder input capacity.
Network recording references	NAS using NFS or SMB/CIFS and Auto Network Replenishment (ANR) are listed. Verify the recording endpoint and recovery setup separately.
Ethernet connection	One RJ45 10/100 Mbit/s self-adaptive Ethernet port. No gigabit port is established by this reference.
On-board media	A microSD/microSDHC/microSDXC slot supports up to 512 GB. Confirm compatibility and endurance; a card is not assumed included.
Reset control	A reset key is listed.
Motion events	Motion detection with human/vehicle target-triggering, video tampering and exception events are listed. This does not guarantee event accuracy in every scene.
Perimeter events	Line crossing and intrusion with human/vehicle target-triggering. Confirm scene and recorder setup.
Conditional memory-card functions	Memory-card encryption and health detection require a compatible high-end Hikvision memory card. This does not establish support on every card.
Target cropping	Target cropping is listed. Confirm actual stream and software settings before use.
DC power reference	12 V DC ±25%, 5.5 mm coaxial plug and reverse-polarity protection are common to both listed power branches. Confirm the supplied version and required power budget before selection.
PoE power reference	IEEE 802.3af, Class 3 is common to both listed power branches. Confirm the actual supplied version before deciding the PoE budget; do not add alternative DC and PoE figures.
Housing and dimensions	Aluminium-alloy base and cover; diameter 121.5 mm × 97.6 mm body height, consistent with the whole drawing. Allow separate mounting and cable-joint space.

Camera and packed mass	Camera approximately 600 g; with package approximately 840 g. These are not interchangeable shipping or kit-content confirmations.
Package dimensions	150 × 150 × 141 mm package reference; not the camera body dimensions.
Operating and storage environment	-30 to 60 °C; humidity at most 95%, non-condensing, for storage and startup/operation. Mounts, power equipment and cable joints need their own suitable protection.
Ingress and impact references	IP67 (IEC 60529-2013) and IK10 (IEC 62262:2002) are listed. These do not approve every installed assembly or corrosive environment.
Corrosion-selection limits	The manufacturer assigns NO SPECIFIC PROTECTION against corrosion to this model. Generic moderate and top-level application examples are not this model rating.
Optional mounting references	DS-1272ZJ-120 / DS-1272ZJ-120B wall mounts, DS-1271ZJ-120 pendant and DS-1280ZJ-DM46 junction box are optional examples. Match the complete assembly and colour; inclusion is not promised.

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.

IS Distributions Sdn. Bhd., Kuching, Sarawak ·

<https://www.isdsb.com.my/product-hikvision-camera-ds-2cd2183g2-li.html>