



Hikvision DS-2CD1383G2-LIU

· Specification summary

Device class	8 MP Smart Hybrid Light fixed turret network camera
Image sensor	1/2.7-inch progressive-scan CMOS optical format; not a measured sensor diagonal.
Maximum image resolution	3840 × 2160 pixels; manufacturer 8 MP class.
Shutter-time range	1/3 s to 1/100,000 s reference; exposure settings affect motion and low-light results.
Fixed-lens options	2.8 mm or 4 mm fixed-focal lens choices; select the lens when enquiring. Not motorized zoom or two included lenses.
2.8 mm field of view	Horizontal 113°, vertical 62°, diagonal 134° with the 2.8 mm lens.
4 mm field of view	Horizontal 90°, vertical 49°, diagonal 108° with the 4 mm lens.
Aperture	F2.0 fixed aperture.
Minimum-illumination conditions	Colour 0.01 lux at F2.0 with AGC on; black-and-white 0 lux requires IR assistance. Not ambient-light-only colour imaging at zero lux.
Manual orientation adjustment	Pan 0–360°, tilt 0–75°, rotate 0–360° installation adjustment; not remote motorized PTZ operation.
Day/night optics	IR cut filter; day, night, automatic and scheduled switching references.
Supplementary light	IR and white-light supplementary illumination, up to 30 m in the manufacturer reference. Actual scene, exposure and target conditions affect usable coverage.
IR wavelength	850 nm infrared reference, distinct from the visible white light.
Dynamic range	120 dB WDR manufacturer reference.
Signal-to-noise ratio	At least 52 dB in the manufacturer reference.
Image enhancement	BLC, HLC and 3D DNR are listed; not a guarantee of usable identification in every scene.
Full-resolution main stream	50 Hz: 12.5 fps at 3840 × 2160; 60 Hz: 15 fps at 3840 × 2160. Select the actual frequency configuration.
Sub-stream reference	50 Hz: 12.5 fps; 60 Hz: 15 fps, at 1280 × 720, 640 × 480 or 640 × 360 as listed.
Main-stream compression	H.265+, H.265, H.264+ and H.264 are listed for the main stream. Recorder/client mode support must be checked.
Sub-stream compression	H.265, H.264 and MJPEG are listed for the sub-stream; not H.265+ on every stream.
Video bitrate range	32 Kbps to 16 Mbps; configurable video bitrate, not internet throughput or a recording-duration guarantee.
Region of interest	One fixed ROI region for the main stream; no sub-stream ROI entitlement is inferred.

Scalable video coding	SVC is listed for H.264 and H.265 encoding; check the actual client and recorder.
Privacy masks	Four programmable polygon privacy masks; actual configuration needs checking.
Audio reference	Mono sound with 8 kHz or 16 kHz sampling; environment noise filtering is listed. No external audio input/output or speaker is inferred.
Built-in microphone	A built-in microphone is listed for the LIU/LIUF family.
Ethernet interface	One self-adaptive 10/100 Mbps RJ45 port; not Gigabit Ethernet.
Protocol-profile reference	The manufacturer lists Open Network Video Interface Profiles S and T, plus ISAPI and SDK. Confirm actual recorder/VMS functions.
Target-filtered motion events	Motion detection supports triggering by specified human or vehicle target types; video tampering and exceptions are listed. Not facial or plate recognition.
DC power input	12 V DC $\pm 25\%$, 0.41 A; max. 5 W. A 5.5 mm coaxial power plug and reverse-polarity protection are listed; confirm the regulated supply.
PoE power input	IEEE 802.3af, Class 3; max. 6.5 W reference. Size the supplying switch for connected loads; the camera is not a PoE power output.
Housing materials	Metal and plastic are listed; not an all-metal enclosure claim.
Body dimensions	Diameter 110 mm $\times$ 93 mm body reference; not the fixing-circle diameter or packaged size.
Package dimensions	150 mm $\times$ 150 mm $\times$ 141 mm packaged reference; not the camera body.
Net weight reference	Approx. 385 g in the camera weight row; not packaged shipping weight.
Packaged weight reference	Approx. 586 g in the packaged weight row; verify actual shipping contents and packing.
Operating conditions	Startup and operation: -30 to 60 °C, humidity 95% or less, non-condensing. Confirm site environment and power separately.
Storage conditions	-30 to 60 °C, humidity 95% or less, non-condensing, in the storage-conditions row.
Ingress protection	IP67 is listed. This does not establish impact resistance, corrosion resistance or approval for every wet location.
Anti-corrosion category	No specific anti-corrosion protection is assigned in the manufacturer application table. Check coastal or corrosive-site suitability separately.

Specifications are summarised from the manufacturer's published information (checked 2026-10-20). 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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