



Hikvision DS-2CD2183G2-LIS2U

· Specification summary



Device class	8 MP Acusense Smart Hybrid Light Fixed Dome Network Camera
Maximum image size	3840 × 2160
Image sensor	1/2.8-inch progressive-scan CMOS
Colour illumination reference	0.005 lux at F1.6 with AGC enabled
Dark-scene illumination reference	0 lux with supplemental light
Shutter-time reference	1/3 s to 1/100,000 s
Day/night optics	IR-cut filter
Manual installation adjustment	Pan 0° to 355°, tilt 0° to 75°, rotate 0° to 355°; not a motorised PTZ specification.
Fixed-lens choices	2.8 mm or 4 mm fixed-focal lens options. Select the required lens; both are not assumed included.
2.8 mm field of view	2.8 mm lens: 108° horizontal, 59° vertical, 127° diagonal
4 mm field of view	4 mm lens: 88° horizontal, 44° vertical, 105° diagonal
2.8 mm depth of field	2.8 mm lens: 1.7 m to infinity
4 mm depth of field	4 mm lens: 2.6 m to infinity
Lens mount and aperture	M12 mount, fixed iris, F1.6
2.8 mm DORI reference	2.8 mm lens: detect 84 m, observe 33 m, recognise 16 m, identify 8 m. Planning references, not an identification guarantee.
4 mm DORI reference	4 mm lens: detect 117 m, observe 46 m, recognise 23 m, identify 11 m. Planning references, not an identification guarantee.
Supplemental illumination	Infrared and white light with smart supplemental-light control
Lighting-mode reference	Four supplemental-light modes in this family edition
Light-distance reference	Up to 30 m; useful detail and coverage depend on the scene.
IR wavelength	850 nm
50 Hz main stream	50 Hz: 20 fps at 3840 × 2160; 25 fps at 3200 × 1800, 2688 × 1520, 1920 × 1080 or 1280 × 720.
60 Hz main stream	60 Hz: 20 fps at 3840 × 2160; 30 fps at 3200 × 1800, 2688 × 1520, 1920 × 1080 or 1280 × 720.

Sub-stream reference	50 Hz: 25 fps; 60 Hz: 30 fps; 1280 × 720, 640 × 480 or 640 × 360.
Third-stream reference	Under certain settings only: 10 fps at 50 Hz or 60 Hz; 1920 × 1080, 1280 × 720, 640 × 480 or 640 × 360.
Main and sub-stream codecs	Main: H.265, H.264, H.264+ or H.265+. Sub: H.265, H.264 or MJPEG.
Third-stream codecs	Under certain settings only: H.265 or H.264.
Video bitrate	32 Kbps to 16 Mbps; CBR or VBR control.
Video codec profiles	H.264 Baseline, Main or High Profile; H.265 Main Profile.
Scalable video coding	H.264 and H.265 encoding
Region of interest	One fixed region for main stream and sub-stream
Target cropping	Target cropping is listed; check the required stream and recorder configuration.
Built-in audio pickup	-2U: built-in arrayed dual microphone
Audio codecs	-2U: G.711, G.722.1, G.726, MP2L2, PCM, MP3 or AAC-LC.
Audio bitrate references	-2U: G.711 64 Kbps; G.722.1 and G.726 16 Kbps; MP2L2 32 to 160 Kbps; MP3 8 to 320 Kbps; AAC-LC 16 to 64 Kbps.
Audio sampling rates	-2U: 8, 16, 32 or 48 kHz
Audio noise filtering	-2U: environment noise filtering is listed.
External audio input	-S: one audio input (line in), two-core terminal block, maximum 3.3 Vpp, 4.7 kΩ input impedance; unbalanced interface.
External audio output	-S: one line output, two-core terminal block, maximum 3.3 Vpp, 100 Ω output impedance; unbalanced interface. An integrated speaker is not established.
External alarm interfaces	-S: one input and one output; output maximum 12 VDC, 30 mA. Check the connected load.
Integration references	ONVIF Profile S and Profile G, ISAPI, SDK and ISUP are listed. Confirm recorder and software compatibility separately.
Simultaneous viewing reference	Up to six live-view channels; these are not six camera inputs.
User-account reference	Up to 32 users with administrator, operator and user levels.
Network recording references	NAS using NFS or SMB/CIFS and Auto Network Replenishment (ANR) are listed.
Card encryption and health detection	With a high-end Hikvision memory card: memory-card encryption and health detection are supported. Confirm the exact compatible card.
On-board media reference	microSD, microSDHC or microSDXC card slot, up to 512 GB; a card is not assumed included.
Reset control	Reset key listed
Dynamic range	120 dB WDR
Signal-to-noise reference	At least 52 dB
Image enhancement	BLC, HLC and 3D DNR
Privacy masking	Eight programmable polygon privacy masks
Ethernet interface	One self-adaptive RJ45 10/100 Mbps Ethernet port

Basic events	Motion detection with human/vehicle target selection, video tampering alarm and exception events.
Perimeter events	Line crossing and intrusion with human/vehicle target selection. Confirm the actual configured system.
Event linkage references	FTP, NAS or memory-card upload, surveillance-centre notification, email, recording and capture are listed; -S adds external alarm-output triggering. This is not verified message delivery.
DC power reference	12 VDC $\pm$ 25%, 0.7 A, maximum 8.4 W; 5.5 mm coaxial plug and reverse-polarity protection. This is the Other models branch, not the lower -LI(T) row.
PoE power reference	IEEE 802.3af Class 3, maximum 10 W. Alternative to DC, not an added power requirement. The Other models branch applies; do not substitute the -LI(T) 9.5 W row.
Housing materials	Aluminium-alloy base and cover
Overall dimensions	121.5 mm diameter $\times$ 97.6 mm overall height; confirmed by the full body drawing. Mounting-hole dimensions are separate.
Package dimensions	150 $\times$ 150 $\times$ 141 mm
Device mass reference	Approximately 600 g
Packed mass reference	Approximately 840 g; confirm the supplied package.
Storage and operating conditions	-30 to 60 °C; humidity up to 95%, non-condensing.
Enclosure test references	IP67 ingress protection and IK10 impact resistance; not a corrosion or complete-assembly rating.
Corrosion selection	No specific anti-corrosion protection is assigned to this model. The generic top-level and moderate examples are not this model rating.
Mounting accessory examples	Optional DS-1272ZJ-120 / DS-1272ZJ-120B wall mounts, DS-1271ZJ-120 pendant and DS-1280ZJ-DM46 junction box are illustrated. Check the complete combination and colour; inclusion is not promised.

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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