



Hikvision DS-2CD2187G3-LIS2UY

· Specification summary

Device reference	8 MP ColorVu fixed mini dome network-camera reference.
Maximum image size	3840 × 2160 (8 MP reference).
Image sensor	1/1.8-inch progressive-scan CMOS.
Colour illumination reference	0.0005 lux at F1.0 with AGC enabled; 0 lux with light. These are stated test conditions, not a guarantee of visible colour detail in every scene.
Shutter-time reference	1 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°. This is installation aiming, not motorised PTZ or automatic tracking.
Fixed-lens choices	Separate 2.8 mm and 4 mm fixed-focal lens options. Specify the required lens; this is not a motorised zoom range or two included lenses.
2.8 mm field of view	With the 2.8 mm lens: horizontal 108.8°, vertical 56.4°, diagonal 134.3°.
4 mm field of view	With the 4 mm lens: horizontal 93.3°, vertical 47.2°, diagonal 114.2°.
Lens mount and iris	M16 mount, fixed iris and F1.0 aperture.
Depth-of-field reference	2.8 mm lens: 3.3 m to infinity. 4 mm lens: 3.8 m to infinity. These are not face-identification distances.
2.8 mm DORI reference	With the 2.8 mm lens: detection 89 m, observation 35 m, recognition 17 m, identification 8 m. Manufacturer planning references, not achieved site performance.
4 mm DORI reference	With the 4 mm lens: detection 109 m, observation 43 m, recognition 21 m, identification 10 m. Manufacturer planning references, not achieved site performance.
Hybrid illumination	IR and white supplemental light with smart light control; three lighting modes are described in this family edition.
Supplemental-light range	Up to 30 m. Lighting range is not a recognition, identification or alarm-distance guarantee.
IR wavelength	850 nm.
50 Hz main stream	50 Hz: 25 fps at 3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080 or 1280 × 720.
60 Hz main stream	60 Hz: 30 fps at 3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080 or 1280 × 720.
Sub-stream reference	1280 × 720, 640 × 480 or 640 × 360: 25 fps at 50 Hz or 30 fps at 60 Hz.
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.
Main and sub-stream codecs	Main: H.265, H.264, H.264+ or H.265+. Sub: H.265, H.264 or MJPEG. Confirm the selected recorder and encoding configuration.

Video bitrate and control	32 Kbps to 16 Mbps; CBR or VBR. Actual configured bitrate governs network and storage requirements.
Region-of-interest reference	One fixed region for the main stream. Do not inherit the six-megapixel sheet's five-region/main-and-sub wording.
Integration references	ONVIF Profile S, Profile G and Profile T, ISAPI, SDK and ISUP are listed. Verify actual firmware, recorder and application compatibility separately.
Live-view and user limits	Up to six simultaneous live-view channels; up to 32 users at administrator, operator or user levels. These are separate limits, not NVR input capacity.
Network recording references	NAS using NFS or SMB/CIFS and Auto Network Replenishment (ANR) are listed. Confirm the actual recording endpoint and recovery workflow.
Image processing	BLC, HLC, 3D DNR, distortion correction and defog are listed.
Wide dynamic range	130 dB WDR and scene-adaptive WDR are listed. Actual results depend on the scene and exposure configuration.
Electronic stabilisation	EIS is listed. This is electronic image stabilisation, not mechanical camera aiming.
Privacy masking	Four programmable polygon privacy masks in this 8 MP edition.
Ethernet connection	One RJ45 10/100 Mbit/s self-adaptive Ethernet port. No gigabit link is established by this reference.
On-board media	A microSD/microSDHC/microSDXC card slot supports up to 512 GB. A memory card is not assumed included; confirm card endurance and compatibility.
Reset control	A reset key is listed.
Motion and scene events	Motion detection can target human and vehicle types; video tampering, exception and scene-change detection are listed. These are not guarantees of event accuracy.
Perimeter events	Line crossing, intrusion, region entrance and region exiting with human/vehicle target selection are listed. Verify the intended scene and rules.
Face-capture reference	Face capture is listed. This does not establish facial identity recognition, matching a person to a database or a recognition-accuracy guarantee.
Built-in microphones	-S2U models: arrayed dual microphones are explicitly listed. They do not establish a built-in speaker or every two-way-talk workflow.
External line audio	-S2U: one line input and one line output, both two-core unbalanced terminal interfaces with maximum 3.3 Vpp. Input impedance 4.7 kΩ; output impedance 100 Ω. These are not loudspeaker-power outputs.
External alarm interface	-S: one alarm input and one output, maximum 24 V AC/DC, 1 A, applying to this listed S2U member. An output contact rating is not a powered lock supply; check the load and wiring.
DC power input	12 V DC $\pm 25\%$, 0.75 A, maximum 9 W; 5.5 mm coaxial plug with reverse-polarity protection. This is low-voltage input, not mains input.
PoE power	IEEE 802.3af, Class 3, maximum 10.5 W. PoE is an alternative supply mode, not power to add to the DC figure.
Housing and dimensions	Aluminium-alloy base and cover; diameter 121.5 mm $\times$ 97.6 mm body height, consistent with the complete drawing. Allow separate space for mounts and cable joints.

Camera and packed mass	Camera approximately 600 g; with package approximately 825 g. These figures are separate from a confirmed shipping quotation or kit contents.
Operating and storage environment	-30 to 60 °C, humidity at most 95%, non-condensing, for storage and startup/operation. External power equipment and cable joints require their own suitable protection.
Ingress and impact references	IP67 (IEC 60529-2013) and IK10 (IEC 62262:2002) are listed for the camera. They do not approve every installed assembly.
Corrosion-selection limits	The sheet lists NEMA 4X (NEMA 250-2018) and assigns MODERATE PROTECTION. Its moderate example is about 2 km from coastlines or areas affected by acid rain; direct-coastline, dock and chemical-plant examples belong to the separate top-level category. Confirm the actual environment.
Optional mounting references	Optional examples include DS-1272ZJ-120-Y / DS-1272ZJ-120B-Y wall mounts, DS-1280ZJ-DM46-Y junction box and DS-1271ZJ-120-Y pendant. Match complete combinations; these are not promised kit contents.

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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<https://www.isdsb.com.my/product-hikvision-camera-ds-2cd2187g3-lis2uy.html>