



Hikvision DS-2CD1147G2-LUF

· Specification summary



Device class	4 MP ColorVu fixed dome network camera
Image sensor	1/3-inch progressive-scan CMOS optical format; not a measured sensor diagonal.
Maximum resolution	2560 × 1440 pixels; manufacturer 4 MP class.
Low-light conditions	Colour 0.001 lux at F1.0 with AGC on; 0 lux requires supplementary light. Not a guarantee of recognition in darkness.
Shutter-time range	1/3 s to 1/100,000 s; actual exposure affects motion and low-light results.
Day and night reference	The specification lists 24/7 colour imaging. Lighting, exposure and the actual scene still affect the result.
Manual angle adjustment	Pan 0–355°, tilt 0–75°, rotate 0–355°. These are installation adjustments, not motorised PTZ.
Fixed-lens choices	2.8 mm or 4 mm fixed-focus ordering alternatives. Confirm the required lens; not optical zoom or two included lenses.
2.8 mm field of view	With the 2.8 mm lens: horizontal 96°, vertical 52°, diagonal 113°.
4 mm field of view	With the 4 mm lens: horizontal 75°, vertical 40°, diagonal 89°.
Aperture and iris	F1.0 aperture and a fixed iris are listed.
Depth-of-field reference	2.8 mm lens: 2 m to infinity; 4 mm lens: 2.7 m to infinity. Match the selected lens and target distance.
DORI reference	For 2.8 mm: detect 64 m, observe 25 m, recognise 12 m, identify 6 m. For 4 mm: 82 m, 32 m, 16 m and 8 m respectively. Manufacturer planning references, not field identification guarantees.
Supplementary-light reference	White supplementary light, rated up to 30 m. This is not an IR or guaranteed identification-distance claim.
Smart supplementary light	Smart supplementary-light control is listed; confirm the required operating mode.
Main-stream frame rates	50 Hz: 20 fps at 2560 × 1440, or 25 fps at 1920 × 1080 / 1280 × 720. 60 Hz: 20 fps at 2560 × 1440, or 24 fps at 1920 × 1080 / 1280 × 720. Not 4 MP at 25/30 fps.
Sub-stream frame rates	50 Hz: 25 fps; 60 Hz: 24 fps, at 1280 × 720, 640 × 480 or 640 × 360.
Video compression	Main stream: H.265+, H.265, H.264+ or H.264; sub-stream: H.265, H.264 or MJPEG. Confirm recorder and client support.
Video bitrate	32 Kbps to 8 Mbps, with CBR/VBR control listed. This does not establish a fixed retention period.

Region of interest	One fixed region for the main stream.
Dynamic range	120 dB WDR is listed. Scene, exposure and lighting affect usable results.
Image enhancement	BLC, HLC and 3D DNR are listed.
Privacy masks	Four programmable polygon privacy masks.
Microphone reference	The -U row lists a built-in microphone and mono audio; the cover marks the microphone optional. Confirm the actual LUF supplied configuration. This does not establish a speaker or two-way audio.
Ethernet interface	One self-adaptive 10/100 Mbps RJ45 Ethernet port.
API reference	The API row lists Profile S, Profile T, Profile G (only -U supports), ISAPI and SDK. Retain the -U qualification; this is not universal recorder compatibility.
Concurrent live-view reference	Up to six live-view channels are listed. These are viewing sessions, not six camera inputs.
User-account reference	Up to 32 users, with administrator, operator and user levels. This is distinct from the six live-view reference.
Motion-event reference	Motion detection can trigger alarms for specified human and vehicle target types; video tampering and exception events are also listed. Configure and test the required recorder/client workflow.
Optional card-storage reference	The interface row lists microSD/microSDHC/microSDXC up to 256 GB; the cover marks on-board storage optional. Confirm the actual slot/configuration and card support; no card is assumed included.
Reset-key reference	The -F row lists a reset key. Confirm the actual LUF unit; this is not a configuration claim for other suffixes.
DC power reference	12 V DC $\pm$ 25%, 0.4 A, maximum 5 W, with a Ø5.5 mm coaxial power plug. Confirm the actual supply and operating load.
PoE power reference	802.3af Class 3; 36–57 V, 0.2–0.15 A, maximum 6.5 W. Distinct from the DC consumption row; do not add the two alternatives.
Body materials	Aluminium-alloy base with a plastic cover.
Body dimensions	Diameter 121.5 mm $\times$ overall height 97.6 mm, agreeing with the body drawing. Mounting dimensions are separate.
Weight reference	Approximately 500 g body weight; approximately 700 g with packaging. Neither includes an assumed complete mounting assembly.
Operating conditions	-30 to +60 °C; humidity 95% or less, non-condensing. Confirm actual enclosure, mounting and site exposure.
Ingress-protection reference	IP67 is listed under IEC 60529-2013. This is not a rating for every complete mounting or cable assembly.
Impact-protection reference	IK08 under IEC 62262:2002 is listed, separate from IP67. Not a guarantee against every impact.
Corrosion limitation	The source explicitly assigns no specific anti-corrosion protection. IP67 and IK08 do not establish coastal or chemical-environment suitability.
Optional mounting examples	The optional list includes DS-1280ZJ-DM46 junction box, DS-1271ZJ-120 pendant and DS-1272ZJ-120B wall mount examples. Confirm the complete assembly, adapters and site; not included and not an ISD installation service.

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.

IS Distributions Sdn. Bhd., Kuching, Sarawak ·

<https://www.isdsb.com.my/product-hikvision-camera-ds-2cd1147g2-luf.html>