



Hikvision DS-2CD2087G2H-LIU

· Specification summary

Device class	8 MP Smart Hybrid Light with ColorVu Fixed Mini Bullet Network Camera
Image sensor	1/1.8-inch progressive-scan CMOS as listed. Confirm the exact supplied camera.
Maximum resolution	3840 × 2160 as listed. Frame rate depends on stream and frequency setting.
Minimum illumination	Colour: 0.0005 lux at F1.0 with AGC ON, or 0 lux with light as listed. The zero-lux condition requires supplementary light; not full-colour imaging without illumination.
Exposure and day/night	Shutter 1/3 s to 1/100,000 s with IR-cut filter as listed. Confirm lighting, motion blur and day/night settings.
Physical angle adjustment	Pan 0° to 360°, tilt 0° to 90° and rotation 0° to 360° as listed for aiming the fixed camera. This is not a motorised PTZ movement specification.
Lens mount and aperture	M16 lens mount, fixed iris and F1.0 aperture as listed. Confirm the required field of view and supplied lens.
Lens and field of view	Fixed focal lens choices: 2.8 mm or 4 mm. For 2.8 mm: horizontal 105.1°, vertical 54.8°, diagonal 128.2°; for 4 mm: horizontal 90.0°, vertical 45.8°, diagonal 109.4° as listed. These are separate supplied-lens choices, not a zoom range.
Depth of field	2.8 mm lens: 3.3 m to infinity; 4 mm lens: 3.8 m to infinity as listed. Confirm the selected lens and intended target distance.
DORI reference	Manufacturer-listed detect/observe/recognise/identify distances: 2.8 mm lens 89/35/17/8 m; 4 mm lens 109/43/21/10 m respectively. These are lens-specific references, not guaranteed field performance; confirm scene and target requirements.
Supplementary light	IR and white light are listed, with supplementary-light range up to 40 m, smart supplementary-light support and 850 nm IR wavelength. Confirm scene and lighting mode; range is not guaranteed identification distance.
Main stream	50 Hz: 25 fps at 3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080 or 1280 × 720. 60 Hz: 24 fps at 3840 × 2160; 30 fps at 3200 × 1800, 2688 × 1520, 1920 × 1080 or 1280 × 720 as listed. Select a supported mode; do not combine branch limits.
Sub-stream	50 Hz: 25 fps at 1280 × 720, 640 × 480 or 640 × 360; 60 Hz: 30 fps at 1280 × 720, 640 × 480 or 640 × 360 as listed. Confirm the selected stream mode.
Video bitrate and profiles	Video bitrate 32 Kbps to 16 Mbps; H.264 Baseline/Main/High and H.265 Main profiles; CBR and VBR control as listed. Confirm recorder decoding and bandwidth.
ROI and scalable coding	1 fixed ROI region for main stream and sub-stream; H.264 and H.265 scalable video coding as listed. Confirm encoder and stream configuration.

Audio encoding	G.711, G.722.1, G.726, MP2L2, PCM, MP3 and AAC-LC are listed. Rates: G.711ulaw/G.711alaw 64 Kbps; G.722.1 16 Kbps; G.726 16 Kbps; AAC-LC 16-64 Kbps; MP2L2 32-192 Kbps; MP3 8-320 Kbps. No PCM bitrate is listed; confirm the selected codec.
Audio sampling rates	8/16/32/44.1/48 kHz are listed as document-level choices. The source does not map them to individual codecs; confirm the selected codec and supported rate.
Noise filtering	Environmental-noise filtering is listed. Actual results depend on the scene and settings.
Built-in microphone	Built-in microphone is listed for the -U variant. The document does not give a microphone count; confirm the exact supplied unit and audio settings.
Ethernet and reset	1 RJ45 10 M/100 M self-adaptive Ethernet port and reset key as listed. Confirm network and reset procedure; no gigabit interface is inferred.
Integration interfaces	Open Network Video Interface Profile S, Profile G and Profile T, ISAPI, SDK and ISUP are listed. Confirm supplied firmware and recorder interoperability; this is not universal compatibility approval.
Live view and users	Up to 6 simultaneous live-view channels; up to 32 users with administrator, operator and user levels as listed. These are separate limits.
Network storage	NAS using NFS or SMB/CIFS, with Auto Network Replenishment (ANR) as listed. Confirm server and recording settings; no NAS device is assumed included.
On-board storage	Built-in microSD/microSDHC/microSDXC card slot, up to 512 GB as listed. Confirm compatible card and recording configuration; no card is assumed included.
WDR and image enhancement	130 dB WDR; SNR at least 52 dB; BLC, HLC and 3D DNR as listed. Confirm the scene and image settings; these are not guaranteed image-quality results.
Image adjustments	Image-parameter switching; rotate mode; adjustable saturation, brightness, contrast, sharpness, gain and white balance via client software or browser. Day, Night, Auto and Schedule day/night modes are listed. Confirm the actual supported client and settings.
Privacy masks	4 programmable polygon privacy masks as listed. Confirm coverage after aiming the camera.
Basic and smart events	Motion detection with human/vehicle target-type alarm triggering, video tampering alarm, exception and scene-change detection as listed. Confirm scene and event configuration.
Perimeter protection	Line crossing, intrusion, region entrance and region exiting, with human/vehicle target-type alarm triggering as listed. Confirm configuration and scene; not a guarantee of detection accuracy.
Face capture	Face capture is listed. Capture is not identity recognition; confirm configuration, scene and privacy requirements. The source does not give a simultaneous-face count.
Event linkage	FTP/NAS/memory-card upload, surveillance-centre notification, recording, capture and email are listed. Configure and test each destination; no message is assumed sent.

Power reference	12 V DC $\pm 25\%$, 0.58 A, maximum 7 W, Ø5.5 mm coaxial power plug with reverse-polarity protection; or PoE IEEE 802.3af Class 3, maximum 8.5 W as listed. These are separate supply modes. Confirm supply sizing; no adapter or injector is assumed included.
Dimensions and weight	Diameter 74.4 mm $\times$ 179.2 mm (2.9 in $\times$ 7.1 in); approximately 525 g (1.2 lb.) as listed. Confirm mounting clearance and load; inch and pound values are source-rounded.
Document package reference	Package dimensions 234 mm $\times$ 120 mm $\times$ 117 mm (9.2 in $\times$ 4.7 in $\times$ 4.6 in); weight with package approximately 750 g (1.7 lb.) as listed. These do not confirm actual ISD box contents; confirm the supplied package.
Material reference	Front cover, body and bracket are each listed as metal. Confirm the exact supplied unit and mounting requirements.
Storage and operating conditions	Storage, startup and operation: -30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less, non-condensing as listed. Confirm the site and power conditions.
Protection reference	IP67 under IEC 60529-2013 as listed. Correct sealing and installation remain necessary; this is not a marine-corrosion rating.
Application protection tier	The document selects NO SPECIFIC PROTECTION: normal environments where no special anti-corrosion protection is needed. Confirm the site; do not infer suitability for marine or corrosive locations from IP67.
Document ordering reference	Manufacturer ordering entries: DS-2CD2087G2H-LIU(2.8mm)/Black; DS-2CD2087G2H-LI(2.8mm); DS-2CD2087G2H-LI(4mm); DS-2CD2087G2H-LIU(2.8mm); DS-2CD2087G2H-LIU(4mm). Confirm the supplied lens and colour with ISD; these entries are not stock confirmation or interchangeable model aliases.
Optional accessories	Optional references: DS-1275ZJ-SUS (vertical pole mount); DS-1276ZJ-SUS (corner mount); DS-1280ZJ-XS (junction box); DS-1275ZJ-SUS(BLACK) (vertical pole mount); DS-1276ZJ-SUS(BLACK) (corner mount); DS-1280ZJ-XS(BLACK) (junction box). Confirm exact fit, colour and required parts with ISD; not included by default.

Specifications are summarised from the manufacturer's published information (checked 2026-10-18). 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-2cd2087g2h-liu.html>