Hikvision DS-2CD1347G3-LIU

· Specification summary

Device class	4 MP ColorVu 3.0 fixed turret network camera
Image sensor	1/3-inch progressive-scan CMOS optical format; not a measured sensor diagonal.
Low-light conditions	Colour 0.0005 lux at F1.0 with AGC on; 0 lux requires supplementary light. Not a guaranteed target-recognition result.
Shutter-time range	1 s to 1/100,000 s. Exposure affects motion and low-light results.
Day and night modes	An IR cut filter and day, night, auto and scheduled switching are listed. Colour performance still depends on the scene and light.
Manual angle adjustment	Pan 0–360°, tilt 0–75°, rotate 0–360°. Installation adjustment, not motorised PTZ.
Fixed-lens choices	2.8 mm or 4 mm fixed focal ordering alternatives. Select the lens; not optical zoom or two included lenses.
2.8 mm field of view	With the 2.8 mm lens: horizontal 101.5°, vertical 54.6°, diagonal 122.1°.
4 mm field of view	With the 4 mm lens: horizontal 84.1°, vertical 45.6°, diagonal 99.1°.
Aperture	F1.0 is listed; the low-light measurement also requires the stated AGC and lighting conditions.
Lens mount and iris	M12 lens mount with a fixed iris. No approved interchangeable-lens list is inferred.
Depth-of-field reference	2.8 mm: 1.7 m to infinity. 4 mm: 1.6 m to infinity. Match the selected lens and target distance.
DORI reference	2.8 mm: detect 63 m, observe 25 m, recognise 12 m, identify 6 m. 4 mm: 77 m, 30 m, 15 m and 7 m respectively. Planning references, not field identification guarantees.
Supplementary-light reference	IR and white supplementary light, rated up to 30 m. This is not guaranteed identification at 30 m.
IR wavelength	850 nm IR wavelength is listed.
Smart light control	Smart supplementary-light control is listed. Confirm the required light mode and configuration; this is separate from a deterrent strobe or speaker.
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 16 Mbps, with CBR/VBR control listed. Not the dome bitrate or a fixed retention-duration guarantee.

Sub-stream frame rates	50 Hz: 25 fps. 60 Hz: 24 fps. Listed sub-stream sizes are 1280 × 720, 640 × 480 or 640 × 360. Do not silently replace 24 with 30 fps.
Region of interest	One fixed ROI region is listed for the main stream and sub-stream. ROI is not an additional video stream.
Dynamic range	120 dB WDR is listed; not a guarantee of recognition in every backlit scene.
Image enhancement	BLC, HLC and 3D DNR are listed.
Privacy masks	Four programmable rectangular privacy masks. Not the dome polygon-mask wording.
Microphone reference	One built-in microphone with mono audio is listed. This does not establish a speaker, two-way talk or an external audio connector.
Audio compression	G.711ulaw, G.711alaw, G.722.1, G.726, MP2L2, PCM, AAC-LC and MP3 are listed. Confirm stream and client compatibility.
Audio sampling	8 kHz or 16 kHz audio sampling is listed; not a claim for every codec configuration.
Audio noise filtering	Environmental noise filtering is listed. It does not establish a noise-free or forensic audio guarantee.
Ethernet interface	One self-adaptive 10/100 Mbps RJ45 Ethernet port.
Network protocol reference	The source lists TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP and SMTP. This is not an enabled-service claim.
Live-view reference	Up to six simultaneous live-view channels are listed. Viewing sessions, not six camera inputs.
User accounts	Up to 32 users with administrator, operator and user levels. Separate from the six live-view-session limit.
Integration interfaces	The API row names ISAPI and SDK. No ONVIF profile is assigned here pending subtype clarification; the dome Profile T and F-specific G rules are not transferred.
Motion-event reference	Motion detection with specified person/human and vehicle target types, video tampering and exception events are listed. Configure and test the camera, recorder and client together.
Manufacturer processing labels	HikAI-ISP and Motion Detection 3.0 are named on the cover. Confirm the supplied hardware and firmware; no facial identity recognition, autonomous response or guaranteed event accuracy is established.
DC power reference	For the bare LIU/LIUF base variants: 12 V DC ±25%, 0.52 A, maximum 6.2 W, with Ø5.5 mm coaxial plug and reverse-polarity protection. Not the SL/SRB power row.
PoE power reference	IEEE 802.3af Class 3, maximum 7.5 W. Alternative to DC; do not add DC and PoE ratings or substitute the SL/SRB 7.8 W row.
Body materials	Plastic cover with metal main body. No alloy grade or marine treatment is inferred.
Body dimensions	Diameter 110 mm × height 102.7 mm. The table and whole body drawing agree; the 85 mm mounting circle and hole sizes are separate.
Weight reference	For DS-2CD1347G3-LIU: approximately 365 g body weight and 550 g with packaging. Not LIUF, SL or SRB weight.

Operating and storage conditions	-30 to +60 °C, humidity at most 95%, non-condensing, are listed for storage and startup/operation. Confirm the actual mounting and exposure.
Protection reference	IP67 under IEC 60529-2013 is listed. No IK rating is inferred from the dome model or product shape.
Optional mounting examples	The optional list includes DS-1280ZJ-TR13 junction box and DS-1271ZJ-110-TRS pendant. Corner/pole configurations also use DS-1281ZJ-S with the listed brackets. Confirm the full assembly; not included or 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.