



Hikvision DS-2CD1663G2-LIZU

· Specification summary

Device class	6 MP Smart Hybrid Light varifocal bullet network camera
Image sensor	1/2.4-inch progressive-scan CMOS.
Maximum resolution	3200 × 1800, the 6 MP reference.
Minimum illumination	Colour: 0.005 lux at F1.6 with AGC on; black-and-white: 0 lux with IR. Zero-lux colour performance is not established by this row.
Shutter and day/night filter	1/3 s to 1/100,000 s shutter range, with IR-cut filter.
Manual body aiming	Pan 0–355°, tilt 0–70° and rotation 0–355° are physical aiming references. Motorized lens adjustment does not establish PTZ or automatic tracking.
Motorized optical lens	Motorized varifocal lens, 2.8 to 12 mm. Set the optical coverage for the actual site and confirm focus and recorder support.
Field of view across zoom range	Across 2.8 to 12 mm: horizontal 106° to 35.6°, vertical 55.9° to 20° and diagonal 127.4° to 40.8°. These are lens-dependent ranges, not simultaneous fixed views.
Iris, aperture and mount	Fixed iris, F1.6 aperture, with Ø14 lens mount listed. This does not describe interchangeable included lenses.
DORI planning ranges	Manufacturer DORI ranges: detection 68–200 m, observation 27–79 m, recognition 13.6–40 m and identification 6.8–20 m. Confirm actual focal setting, scene and intended detail; these are not guaranteed site distances.
Hybrid illumination	Smart Hybrid Light with IR and white light, plus smart supplementary-light control.
Light-range reference	Up to 50 m supplementary light, with 850 nm infrared wavelength listed. This is separate from guaranteed recognition or identification distance.
Wide dynamic range	120 dB WDR is listed. Check exposure settings and scene conditions for the intended use.
50 Hz main stream	50 Hz: 20 fps at 3200 × 1800, 2688 × 1520, 1920 × 1080 or 1280 × 720.
60 Hz main stream	60 Hz: 20 fps at 3200 × 1800, 2688 × 1520, 1920 × 1080 or 1280 × 720. This edition does not list 30 fps as a main-stream mode.
Sub-stream modes	20 fps at 1280 × 720, 640 × 480 or 640 × 360 in either 50 Hz or 60 Hz mode.
Stream compression	Main stream: H.265+, H.265, H.264+ or H.264. Sub-stream: H.265, H.264 or MJPEG. Match the actual recorder and encoding settings.
Video rate and control	32 Kbps to 16 Mbps, with CBR or VBR. Storage and bandwidth depend on configured streams and scene activity.
Encoding profiles and SVC	H.264 Baseline, Main or High Profile; H.265 Main Profile; scalable video coding for H.264 and H.265. Confirm endpoint support and selected settings.

Region of interest	One fixed region for the main stream. This does not establish a separate region for every stream.
Built-in microphone	A built-in microphone and mono sound are listed. Confirm actual recording permissions, settings and firmware.
Audio compression and sampling	G.711ulaw, G.711alaw, G.722.1, G.726, MP2L2, PCM and AAC-LC are listed, with 8 kHz or 16 kHz sampling and environment-noise filtering.
Audio codec bitrates	G.711: 64 Kbps; G.722.1 or G.726: 16 Kbps; MP2L2: 32–160 Kbps; AAC-LC: 16–64 Kbps. The row does not specify a PCM bitrate.
Ethernet interface	One RJ45 10/100 Mbit/s self-adaptive Ethernet port, separate from the encoding bitrate or recorder input budget.
API references	Open Network Video Interface Profiles S, G and T, ISAPI and SDK are listed. Check the exact recorder, features and firmware rather than assuming universal interoperability.
Live-view and user limits	Up to six simultaneous live-view channels and up to 32 users across administrator, operator and user levels. These are separate limits, not NVR camera capacity.
Client and transport references	iVMS-4200, Hik-Connect, RTSP and IPv6 appear in the manufacturer edition. Confirm current software, regional services and secure network configuration separately.
Image processing and masks	BLC, HLC and 3D DNR, with four programmable polygon privacy masks.
Local card storage	Built-in microSD/microSDHC/microSDXC slot up to 512 GB for local storage. Confirm actual card compatibility, endurance and package inclusion.
Reset key	A reset key is listed. Use the exact manufacturer procedure and protect access to the installed device.
Motion target selection	Human detection and vehicle detection are selectable target types for motion-event triggering. Configure the scene and confirm actual performance.
Other basic events	Video-tampering alarm and exception events are listed. Actual notification and recipient delivery require separate setup and checking.
Recording and notification linkages	FTP/memory-card upload, surveillance-centre notification, email, recording trigger and capture trigger are listed. The external alarm-output linkage is explicitly -S-only; do not assign that output hardware to LIZU.
DC power	12 V DC $\pm 25\%$, 0.88 A, maximum 10.5 W; Ø5.5 mm coaxial connector and reverse-polarity protection are listed. Confirm actual supply and connector.
PoE power	IEEE 802.3af, Class 3, maximum 12 W. Treat this as an alternative supply reference, not a load to add to the DC maximum.
Housing and body dimensions	Metal and plastic; Ø105 mm × 252 mm body reference. Allow additional cable, aiming, fixing and accessory clearance.
Package dimensions in millimetres	315 × 137 × 141 mm, separate from the camera body and mounting clearance. Use the metric reference when planning packaging.
Camera and packaged mass	Camera approximately 750 g; with package approximately 1075 g. These are separate references, not freight charges or package-content promises.

Storage and operating conditions	Storage and startup/operation: -30 to 60 °C, humidity 95% or less, non-condensing. External power equipment and cable joints need their own appropriate protection.
Ingress and corrosion limits	IP67 is listed, while the manufacturer assigns no specific corrosion protection. Do not infer marine, direct-coastline, chemical-plant or impact approval.
Optional mounting accessories	DS-1275ZJ-S-SUS and DS-1275ZJ-SUS pole mounts, DS-1276ZJ-SUS corner mount, and DS-1260ZJ or DS-1280ZJ-S junction boxes are shown as optional accessories. Confirm the actual combination, fixing and package 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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