Hikvision DS-2CD2543G2-IS

· Specification summary

Device reference	4 MP AcuSense fixed mini dome network-camera reference.
Maximum image size	2688 × 1520 (4 MP reference).
Image sensor	1/3-inch progressive-scan CMOS.
Illumination reference	Colour: 0.005 lux at F1.6 with AGC enabled; monochrome: 0 lux with IR. Actual scene detail depends on lighting and settings.
Shutter-time reference	1/3 s to 1/100,000 s.
Day/night optics	IR-cut filter.
Installation aiming	Pan -30° to 30°, tilt 0° to 75°, rotate 0° to 360°. This is manual installation adjustment, not motorised PTZ.
Fixed-lens choices	The lens-type row lists separate fixed 2.8 mm and 4 mm lens options. Confirm the supplied focal length; these are not a motorised zoom range or two included lenses.
2.8 mm field of view	2.8 mm lens: horizontal 104.3°, vertical 55.9°, diagonal 123.8°.
4 mm field of view	4 mm lens: horizontal 83.7°, vertical 43.0°, diagonal 100.3°.
Lens mount and iris	M12 mount, fixed iris and F1.6 aperture.
Depth-of-field reference	2.8 mm lens: 1.4 m to infinity; 4 mm lens: 1.6 m to infinity. These are not face-identification distances.
2.8 mm DORI reference	2.8 mm lens: detection 64 m, observation 25 m, recognition 13 m, identification 6 m. Manufacturer planning values, not achieved site performance.
4 mm DORI reference	4 mm lens: detection 85 m, observation 34 m, recognition 17 m, identification 9 m. Manufacturer planning values, not achieved site performance.
Supplemental illumination	Infrared illumination with smart supplemental-light control.
Light-distance reference	Up to 30 m; this is not a face-identification, recognition or alarm-distance guarantee.
IR wavelength	850 nm.
Wide dynamic range	120 dB WDR is listed. Actual image results depend on the scene,exposure and configuration.
Image enhancement	BLC,HLC and 3D DNR are listed.
50 Hz main stream	50 Hz: 25 fps at 2688 × 1520, 1920 × 1080 or 1280 × 720.
60 Hz main stream	60 Hz: 30 fps at 2688 × 1520, 1920 × 1080 or 1280 × 720.
Sub-stream reference	1280 × 720, 640 × 480 or 640 × 360: 25 fps in 50 Hz mode or 30 fps in 60 Hz mode.
Conditional third stream	Under certain settings only: 10 fps at 50 Hz or 60 Hz, at 1920 × 1080, 1280 × 720, 640 × 480 or 640 × 360. H.265 or H.264 is listed for this stream.

Video codecs	Main stream: H.265, H.264, H.265+ or H.264+. Sub-stream: H.265, H.264 or MJPEG. Match the recorder,firmware and selected encoding settings.
Video bitrate and ROI	32 Kbps to 8 Mbps with CBR or VBR. One fixed region of interest for the main stream and sub-stream is listed.
Integration references	ONVIF Profile S and Profile G, ISAPI and SDK are listed. Verify the actual recorder,software and firmware workflow separately.
Viewing and user limits	Up to six simultaneous live-view channels; up to 32 users with administrator,operator and user levels. These are separate limits,not recorder 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 configuration.
Ethernet connection	One RJ45 10/100 Mbit/s self-adaptive Ethernet port. No gigabit interface is established by this reference.
On-board media	A built-in microSD card slot supports up to 512 GB in this edition. Confirm card compatibility and endurance; a memory card is not assumed included.
Built-in microphone	The Built-in Microphone row says Yes without an -S restriction. This is separate from the suffix-restricted external line interfaces.
Reset control	A reset key is listed.
Motion events	Motion detection with human/vehicle target classification,video tampering and exception events are listed. This does not guarantee event accuracy in every scene.
Perimeter and face events	Line crossing,intrusion and face detection are listed. Face detection is not facial identity recognition or person-database matching.
External line audio	-IS/IWS: one line input and one line output,both two-core unbalanced interfaces with maximum 3.3 Vpp. Input impedance 4.7 kΩ; output impedance 100 Ω. These are not loudspeaker-power outputs.
External alarm interface	-IS/IWS: one input and one output,maximum 12 V DC,20 mA. This contact/load reference is not a powered lock supply; check the load and wiring.
Housing and dimensions	Aluminium base and plastic cover; diameter 110 mm × 57.4 mm body height,consistent with the complete drawing. Allow separate space for mounting and cable joints.
Camera and packed mass	Camera approximately 380 g; with package approximately 615 g. These are separate from shipping or kit-content confirmation.
Operating and storage environment	-30 to 60 °C; humidity at most 95%,non-condensing,for storage and startup/operation. Mounting,power equipment and cable joints require their own suitable protection.
Ingress and impact references	IP67 (IEC 60529-2013) and IK08 (IEC 62262:2002) are listed. These do not approve every installed assembly or corrosive environment.
Corrosion selection	The manufacturer assigns NO SPECIFIC PROTECTION against corrosion to this model. Generic moderate and top-level examples are not this model rating.
Optional mounting references	DS-1272ZJ-120 / DS-1272ZJ-120B wall mounts,DS-1280ZJ-DM46 junction box and DS-1271ZJ-120 pendant are optional examples. Match the full combination and colour; inclusion is not promised.
DC power reference	The -IS branch lists 12 V DC ±25%,0.45 A,maximum 5.5 W,with a 5.5 mm coaxial plug and reverse-polarity protection.

PoE power reference	The -IS branch lists IEEE 802.3af,Class 3,36 to 57 V,0.18 to 0.11 A,maximum 6.5 W. This is an alternative supply mode,not the -IWS 7 W reference.

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.