Hikvision DS-2CD2143G2-I

Fixed dome network camera · Specification summary

Maximum resolution	2688 × 1520 (4 MP)
Device class	4 MP AcuSense Fixed Dome Network Camera
Image sensor	1/3-inch progressive-scan CMOS.
Minimum illumination	0.005 lux at F1.6 with AGC on; 0 lux with IR on. This does not promise zero-light colour imaging.
Exposure and day/night	1/3 s to 1/100,000 s shutter, slow shutter and an IR-cut filter.
Wide dynamic range	120 dB WDR in this source edition.
Manual body aiming	Pan 0–355°, tilt 0–75°, rotation 0–355°. These are physical adjustment ranges,not motorized PTZ.
Fixed-lens choices	Separate 2.8 mm or 4 mm lens choices; F1.6 aperture and M12 mount. This is not a motorized zoom range.
Field of view	2.8 mm: 103° horizontal,55° vertical,122° diagonal; 4 mm: 84° horizontal,45° vertical,100° diagonal.
DORI planning reference	2.8 mm D/O/R/I: 67/26/13/6 m; 4 mm: 80/31/16/8 m. Match the lens and scene; these are not guaranteed site distances.
Infrared illumination	Up to 30 m IR range,850 nm wavelength. Illumination range is separate from identification distance.
Main-stream frame rates	50 Hz: 25 fps; 60 Hz: 30 fps,at 2688 × 1520,1920 × 1080 or 1280 × 720.
Sub-stream frame rates	50 Hz: 25 fps; 60 Hz: 30 fps,at 1280 × 720,640 × 480 or 640 × 360.
Third-stream modes	10 fps at 1920 × 1080,1280 × 720,640 × 480 or 640 × 360 in both mains-frequency branches. Confirm actual simultaneous stream settings.
Video compression	Main: H.265/H.264/H.264+/H.265+; sub: H.265/H.264/MJPEG; third: H.265/H.264.
Bitrate and encoding control	32 Kbps to 8 Mbps; CBR/VBR. H.264 Baseline/Main/High and H.265 Main profiles are listed.
ROI and scalable coding	One fixed region for the main stream and sub-stream; SVC is listed.
Network-view and user limits	Up to six simultaneous live-view channels and 32 users,with administrator/operator/user levels. These are separate limits.
API reference	Open Network Video Interface Profiles S and G,ISAPI and SDK. Check exact recorder,firmware and required functions separately.
Network storage	NAS using NFS or SMB/CIFS,with ANR listed. Confirm the matching recorder/server and configuration.
Ethernet connection	One RJ45 10/100 Mbit/s self-adaptive Ethernet port.
Local card storage	Built-in microSD support up to 512 GB for local storage.
Reset and image adjustment	Reset key; BLC,HLC and 3D DNR; day/night/auto/schedule switching.

Motion-event target selection	Human detection and vehicle detection are motion-event target classifications; video-tampering alarm and exception events are also listed.
Perimeter-event reference	Line crossing and intrusion detection,with human/vehicle target classification. Configure the actual scene and recorder.
Face detection	Face detection is listed. This does not establish facial identity recognition or attendance functions.
Event linkages	FTP/memory-card/NAS upload,centre notification,recording,capture and email are listed. Actual message delivery requires separate configuration and testing.
DC power reference	12 V DC ±25%,0.4 A,maximum 5 W; Ø5.5 mm coaxial connector and reverse-polarity protection.
PoE power reference	IEEE 802.3af Class 3; 36–57 V,0.2–0.15 A,maximum 6.5 W. Budget actual switch and cable losses separately.
Body and package dimensions	Body Ø110.8 × 84.7 mm; package 134 × 134 × 108 mm. Allow separate mount and cable clearance.
Weight references	Approximately 530 g; approximately 720 g with package. Mounting loads require separate calculation.
Construction	Aluminium-alloy body,plastic bubble and SUS304 screws,as listed. Material names do not establish marine suitability.
Operating and storage conditions	−30 to 60 °C and humidity up to 95%,non-condensing,for the listed startup/operating and storage rows.
Ingress and impact reference	IP67 and IK10 in this edition. Cable joints,seals and the complete installed assembly need separate assessment.
Corrosion limitation	The manufacturer assigns no specific corrosion protection. Do not infer coastal,marine or chemical suitability from IP67 or IK10.
Optional mounting references	Optional: DS-1280ZJ-DM18 junction box,DS-1250ZJ rain shade,DS-1259ZJ inclined mount,DS-1272ZJ-110/110B wall mounts,DS-1276ZJ-SUS corner mount,DS-1258ZJ wall mount,DS-1275ZJ-SUS pole mount and DS-1271ZJ-110 pendant mount. Confirm exact fit and inclusion.

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.