# Hikvision DS-2CD2T83G2-4LI

· Specification summary

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| **Device class** | 8 MP AcuSense Smart Hybrid Light Fixed Bullet Network Camera |
| **Image sensor** | 1/2.8-inch progressive-scan CMOS optical-format reference |
| **Maximum resolution** | 3840 × 2160 |
| **Low-light reference** | Color 0.005 lux at F1.6 with AGC on; 0 lux with light |
| **Shutter reference** | 1/3 s to 1/100,000 s |
| **Day/night reference** | IR cut filter |
| **Angle adjustment** | Pan 0 to 360°; tilt 0 to 90°; rotation 0 to 360° for mounting adjustment, not motorized PTZ |
| **Lens configuration** | Fixed-focal lens; 2.8, 4 and 6 mm ordering options, not a varifocal lens |
| **Lens-mount reference** | M12 |
| **Iris type** | Fixed iris |
| **Aperture** | F1.6 |
| **2.8 mm field-of-view reference** | With 2.8 mm lens: H 108°, V 59°, D 127° |
| **2.8 mm DORI reference** | With 2.8 mm lens: D 84 m, O 33 m, R 16 m, I 8 m; scene-dependent manufacturer reference |
| **2.8 mm depth-of-field reference** | With 2.8 mm lens: 1.7 m to infinity |
| **4 mm field-of-view reference** | With 4 mm lens: H 88°, V 44°, D 105° |
| **4 mm DORI reference** | With 4 mm lens: D 117 m, O 46 m, R 23 m, I 11 m; scene-dependent manufacturer reference |
| **4 mm depth-of-field reference** | With 4 mm lens: 2.6 m to infinity |
| **6 mm field-of-view reference** | With 6 mm lens: H 54°, V 29°, D 63° |
| **6 mm DORI reference** | With 6 mm lens: D 176 m, O 70 m, R 35 m, I 17 m; scene-dependent manufacturer reference |
| **6 mm depth-of-field reference** | With 6 mm lens: 5.8 m to infinity |
| **Supplemental light** | IR and white light |
| **Supplemental light range** | Only -4LI and -4LI2U models: Up to 80 m; illumination is not a guaranteed identification distance |
| **Smart supplemental light** | Listed; confirm selected mode and settings |
| **IR wavelength** | 850 nm |
| **Supplemental-light modes** | 4 supplemental-light modes on the cover; confirm actual firmware and selected mode |

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| **Motion-event reference** | Motion detection supports configured human/vehicle target triggering; performance depends on scene and settings |
| **Other basic events** | Video tampering and exception events |
| **Perimeter-event reference** | Line crossing and intrusion with configured human/vehicle target triggering |
| **Main stream at 50 Hz** | 20 fps at 3840 × 2160; 25 fps at 3200 × 1800, 2688 × 1520, 1920 × 1080 or 1280 × 720 |
| **Main stream at 60 Hz** | 20 fps at 3840 × 2160; 30 fps at 3200 × 1800, 2688 × 1520, 1920 × 1080 or 1280 × 720 |
| **Sub-stream reference** | 50 Hz: 25 fps; 60 Hz: 30 fps; at 1280 × 720, 640 × 480 or 640 × 360 |
| **Main-stream compression** | H.265+, H.265, H.264+ and H.264 |
| **Sub-stream compression** | H.265, H.264 and MJPEG |
| **Video bit-rate range** | 32 Kbps to 16 Mbps |
| **H.264 profiles** | Baseline, Main and High |
| **H.265 profile** | Main |
| **Bit-rate control** | CBR / VBR |
| **Scalable video coding** | H.264 and H.265 encoding |
| **Region of interest** | 1 fixed region for main stream and sub-stream |
| **Target-cropping reference** | Target cropping listed; confirm intended stream and settings |
| **WDR reference** | 120 dB as stated by the manufacturer; actual scene results depend on settings |
| **Signal-to-noise reference** | At least 52 dB as stated by the manufacturer |
| **Image enhancement** | BLC, HLC and 3D DNR |
| **Privacy-mask reference** | 8 programmable polygon privacy masks |
| **Day/night switching** | Day, Night, Auto and Schedule |
| **Ethernet interface** | 1 RJ45 10/100 Mbps self-adaptive Ethernet port |
| **API/protocol reference** | ONVIF Profiles S and G; ISAPI, SDK and ISUP; confirm actual recorder and firmware compatibility |
| **Simultaneous live-view reference** | Up to 6 live-view channels; not six camera inputs |
| **User/role reference** | Up to 32 users; administrator, operator and user roles, not 32 simultaneous live views |
| **On-board storage** | Built-in microSD/microSDHC/microSDXC slot, up to 512 GB; confirm fitted card and recording duration |
| **Reset key** | Hardware reset key listed |
| **Network-storage reference** | NAS via NFS or SMB/CIFS and ANR listed; confirm actual device, firmware and settings |
| **Card-health/encryption reference** | Together with a high-end Hikvision memory card, memory-card encryption and health detection are listed; confirm exact card and firmware |
| **DC input reference** | Only -4LI and -4LI2U models: 12 V DC ±25%, 0.87 A; maximum 10.5 W; 5.5 mm coaxial plug, reverse-polarity protection |

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| **PoE input reference** | Only -4LI and -4LI2U models: IEEE 802.3af, Class 3; maximum 12 W camera input consumption, not output power |
| **Operating temperature** | -30 to 60 °C |
| **Storage temperature** | -30 to 60 °C |
| **Humidity reference** | 95% or less, non-condensing |
| **Protection reference** | IP67 as stated by the manufacturer; not corrosion protection or Malaysian installation certification |
| **Corrosion reference** | No specific anti-corrosion protection; confirm suitability for the actual environment |
| **Housing material** | Metal |
| **Package dimensions** | 386 × 156 × 155 mm as printed; confirm actual supplied package |
| **Camera weight reference** | Approximately 1160 g in the cited configuration; confirm actual supplied hardware |
| **Packaged weight reference** | Approximately 1660 g in the cited configuration; confirm actual supplied package |
| **Mounting accessory reference** | Optional DS-1260ZJ junction box, DS-1275ZJ-SUS and DS-1275ZJ-S-SUS pole mounts, and DS-1276ZJ-SUS corner mount listed; confirm exact adapters and full combination, not included package contents |

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.