

DS-2CD2523G2-I(S) 2 MP AcuSense Fixed mini Dome Network Camera

AcuSense



Empowered by deep learning algorithms, Hikvision AcuSense technology brings human and vehicle targets classification alarms to front- and back-end devices. The system focuses on human and vehicle targets, vastly improving alarm efficiency and effectiveness.

- High quality imaging with 2 MP resolution
- Clear imaging against strong backlight due to 120 dB WDR technology
- Efficient H.265+ compression technology
- Focus on human and vehicle targets classification based on deep learning
- -S: audio and alarm interface available
- Water and dust resistant (IP67) and vandal resistant (IK08)



▪ Specification

| Camera | |
|-----------------------------|--|
| Image Sensor | 1/2.8" Progressive Scan CMOS |
| Max. Resolution | 1920 × 1080 |
| Min. Illumination | Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR |
| Shutter Speed | 1/3 s to 1/100,000 s |
| Day & Night | IR cut filter |
| Angle Adjustment | Pan: -30° to 30°, tilt: 0° to 75°, rotate: 0° to 360° |
| Lens | |
| Lens Type | Fixed focal lens, 2.8 and 4 mm optional |
| Focal Length & FOV | 2.8 mm, horizontal FOV 108.8°, vertical FOV 57.7°, diagonal FOV 129.4° 4 mm, horizontal FOV 87.6°, vertical FOV 44.4°, diagonal FOV 104.9° |
| Lens Mount | M12 |
| Iris Type | Fixed |
| Aperture | F1.6 |
| Depth of Field | 2.8 mm: 1 m to ∞ 4 mm: 1.3 m to ∞ |
| DORI | |
| DORI | 2.8 mm, D: 44 m, O: 17 m, R: 9 m, I: 4 m 4 mm, D: 59 m, O: 23 m, R: 12 m, I: 6 m |
| Illuminator | |
| Supplement Light Type | IR |
| Supplement Light Range | Up to 30 m |
| Smart Supplement Light | Yes |
| IR Wavelength | 850 nm |
| Video | |
| Main Stream | 50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) |
| Sub-Stream | 50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) |
| Third Stream | 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings. |
| Video Compression | Main stream: H.265/H.264/H.265+/H.264+ Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264 *Third stream is supported under certain settings. |
| Video Bit Rate | 32 Kbps to 8 Mbps |
| H.264 Type | Baseline Profile/Main Profile/High Profile |
| H.265 Type | Main Profile |
| Bit Rate Control | CBR/VBR |
| Scalable Video Coding (SVC) | H.264 and H.265 encoding |
| Region of Interest (ROI) | 1 fixed region for main stream and sub-stream |

| Audio | |
|-----------------------------|---|
| Environment Noise Filtering | Yes |
| Audio Sampling Rate | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz |
| Audio Compression | G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC |
| Audio Bit Rate | 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC) |
| Network | |
| Simultaneous Live View | Up to 6 channels |
| API | Open Network Video Interface (Profile S, Profile G), ISAPI, SDK |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, PPPoE |
| User/Host | Up to 32 users. 3 user levels: administrator, operator and user |
| Security | Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface |
| Network Storage | NAS (NFS, SMB/CIFS), auto network replenishment (ANR) |
| Client | iVMS-4200, Hik-Connect, Hik-Central |
| Web Browser | Plug-in required live view: IE 10, IE 11 Plug-in free live view : Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ |
| Image | |
| Wide Dynamic Range (WDR) | 120 dB |
| SNR | ≥ 52 dB |
| Day/Night Switch | Day, Night, Auto, Schedule |
| Image Enhancement | BLC, HLC, 3D DNR |
| Image Parameters Switch | Yes |
| Image Settings | Rotate, mirror, privacy mask, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser |
| Interface | |
| Ethernet Interface | 1 RJ45 10 M/100 M self-adaptive Ethernet port |
| On-Board Storage | Built-in memory card slot, support microSD card, up to 256 GB |
| Built-in Microphone | Yes |
| Audio | -IS: 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium |
| Alarm | -IS: 1 input, 1 output (max. 12 VDC, 20 mA) |
| Reset Key | Yes |
| Event | |
| Basic Event | Motion detection (human and vehicle targets classification), video tampering alarm, exception |
| Smart Event | Line crossing detection, intrusion detection Face detection |

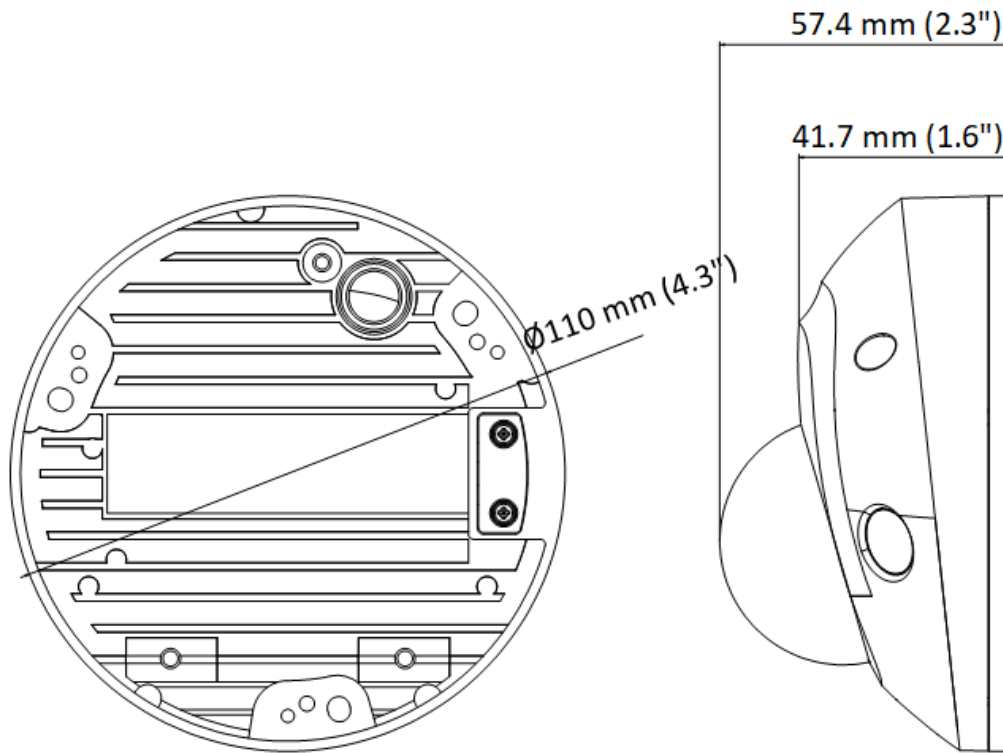
| | |
|----------------------------------|---|
| Linkage | Upload to FTP/NAS/memory card, notify surveillance center, trigger recording, trigger capture, send email |
| Deep Learning Function | |
| Perimeter Protection | Line crossing, intrusion Support alarm triggering by specified target types (human and vehicle) |
| General | |
| Power | 12 VDC \pm 25%, 0.45 A, max. 5.5 W, \varnothing 5.5 mm coaxial power plug, reverse polarity protection PoE: 802.3af, Class 3, 36 V to 57 V, 0.18 A to 0.11 A, max. 6.5 W |
| Material | Base: aluminum, cover: plastic |
| Dimension | \varnothing 110 mm \times 57.4 mm (\varnothing 4.3" \times 2.3") |
| Package Dimension | 134 mm \times 134 mm \times 108 mm (5.3" \times 5.3" \times 4.3") |
| Weight | Approx. 380 g (0.8 lb.) |
| With Package Weight | Approx. 615 g (1.4 lb.) |
| Storage Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing) |
| Startup and Operating Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing) |
| Language | 33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian |
| General Function | Anti-flicker, heartbeat, password reset via email, pixel counter |
| Approval | |
| EMC | FCC (47 CFR Part 15, Subpart B) CE-EMC (EN 55032: 2015, EN 61000-3-2: 2019, EN 61000-3-3: 2013+A1: 2019, EN 50130-4: 2011+A1: 2014) IC (ICES-003: Issue 7) KC (KN32: 2015, KN35: 2015) |
| Safety | UL (UL 62368-1) CB (IEC 62368-1: 2014+A11) CE-LVD (EN 62368-1: 2014/A11: 2017) |
| Environment | CE-RoHS (2011/65/EU) WEEE (2012/19/EU) Reach (Regulation (EC) No 1907/2006) |
| Protection | IP67 (IEC 60529-2013) IK8 (IEC 62262:2002) |

▪ Available Model

DS-2CD2523G2-IS (2.8/4 mm)

DS-2CD2523G2-I (2.8/4 mm)





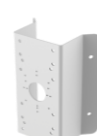

▪ **Dimension**



Unit: mm (inch)

▪ **Accessory**

▪ **Optional**

| DS-1272ZJ-120 | DS-1275ZJ-SUS | DS-1280ZJ-DM46 | DS-1272ZJ-120B | DS-1276ZJ-SUS |
|---|---|---|---|---|
| Wall mount | Vertical pole mount | Junction box | Wall mount | Corner mount |
|  |  |  |  |  |
| DS-1271ZJ-120 | | | | |
| Pendant Mount | | | | |
|  | | | | |

Distributed by

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