

DS-2CD1743G2-IZ(S) 4 MP Varifocal Dome Network Camera



- High quality imaging with 4 MP resolution
- Support Human and Vehicle Detection
- 2.8 to 12 mm motorized varifocal lens for easy installation and monitoring
- Up to 256 GB SD card slot for storage
- Water and dust resistant (IP67) and vandal proof (IK10)
- EXIR 2.0: advanced infrared technology with long IR range
- Clear imaging even with strong back lighting due to 120 dB WDR technology
- Efficient H.265+ compression technology

▪ Specification

| Camera | |
|-----------------------------|--|
| Image Sensor | 1/3" Progressive Scan CMOS |
| Max. Resolution | 2560 × 1440 |
| 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: 0° to 355°, tilt: 0° to 70°, rotate: 0° to 355° |
| Lens | |
| Lens Type | Varifocal Lens, motorized lens, 2.8 to 12 mm |
| Focal Length & FOV | 2.8 to 12 mm, horizontal FOV 95.9° to 29.2°, vertical FOV 50.6° to 16.4°, diagonal FOV 114.7° to 33.5° |
| Lens Mount | Ø14 |
| Iris Type | Fixed |
| Aperture | F1.6 |
| 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: 20 fps (2560 × 1440) 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1440) 24 fps (1920 × 1080, 1280 × 720) |
| Sub-Stream | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 24 fps (1280 × 720, 640 × 480, 640 × 360) |
| Video Compression | Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG |
| Video Bit Rate | 32 Kbps to 8 Mbps |
| H.264 Type | Baseline Profile/Main Profile/High Profile |
| H.265 Type | Main Profile |
| Region of Interest (ROI) | 1 fixed region for main stream |
| Audio | |
| Audio Compression | -S: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC |
| Audio Bit Rate | -S: 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC) |
| Audio Sampling Rate | -S: 8 kHz/16 kHz |
| Environment Noise Filtering | -S: Yes |
| Network | |
| Protocols | TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, NTP, IGMP, IPv6, UDP, QoS, FTP, SMTP |
| Simultaneous Live View | Up to 6 channels |
| API | Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK |

| | |
|----------------------------------|---|
| User/Host | Up to 32 users. 3 levels: administrator, operator and user |
| Security | Password protection, complicated password, watermark, basic and digest authentication for HTTP, WSSE and digest authentication for Open Network Video Interface, security audit log, host authentication (MAC address) |
| Client | iVMS-4200, Hik-Connect |
| Web Browser | Plug-in required live view: IE 10, IE 11, Local service: Chrome 57.0+, Firefox 52.0+ |
| Image | |
| Image Settings | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser |
| Day/Night Switch | Auto, Schedule, Day, Night |
| Wide Dynamic Range (WDR) | 120 dB |
| Image Enhancement | BLC, HLC, 3D DNR |
| Interface | |
| Ethernet Interface | 1 RJ45 10 M/100 M self-adaptive Ethernet port |
| On-Board Storage | Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB |
| Audio | -S: 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 K Ω , interface type: non-equilibrium, -S: 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω , interface type: non-equilibrium |
| Alarm | -S: 1 input, 1 output (max. 12 VDC, 30 mA) |
| Reset Key | Yes |
| Event | |
| Basic Event | Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception |
| Linkage | Upload to FTP/memory card, notify surveillance center, send email, trigger recording, trigger capture, trigger alarm output (-S) |
| General | |
| Power | 12 VDC \pm 25%, reverse polarity protection, 0.8 A, max. 9.6 W, \varnothing 5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.32 A to 0.2 A, max. 11.5 W |
| Material | Metal |
| Dimension | \varnothing 141 mm \times 99.9 mm (\varnothing 5.6" \times 3.9") |
| Package Dimension | 140 mm \times 140 mm \times 154 mm (5.5" \times 5.5" \times 6.1") |
| Weight | Approx. 820 g (1.8 lb.) |
| With Package Weight | Approx. 1200 g (2.6 lb.) |
| Storage Conditions | -30 $^{\circ}$ C to 60 $^{\circ}$ C (-22 $^{\circ}$ F to 140 $^{\circ}$ F). Humidity 95% or less (non-condensing) |
| Startup and Operating Conditions | -30 $^{\circ}$ C to 60 $^{\circ}$ C (-22 $^{\circ}$ F to 140 $^{\circ}$ F). Humidity 95% or less (non-condensing) |
| Language | English, Ukrainian |
| General Function | Anti-banding, heartbeat, mirror, password protection, privacy mask, watermark |

| 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 RCM: AS/NZS CISPR 32: 2015 IC: ICES-003: Issue 7 |
| Safety | UL: UL 62368-1 CB: IEC 62368-1: 2014+A11 CE-LVD: EN 62368-1: 2014/A11: 2017 BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005 |
| Environment | CE-RoHS: 2011/65/EU WEEE 2012/19/EU Reach: Regulation (EC) No 1907/2006 |
| Electrical Safety Protection | IP67: IEC 60529-2013; IK10: IEC 62262: 2002 |

▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

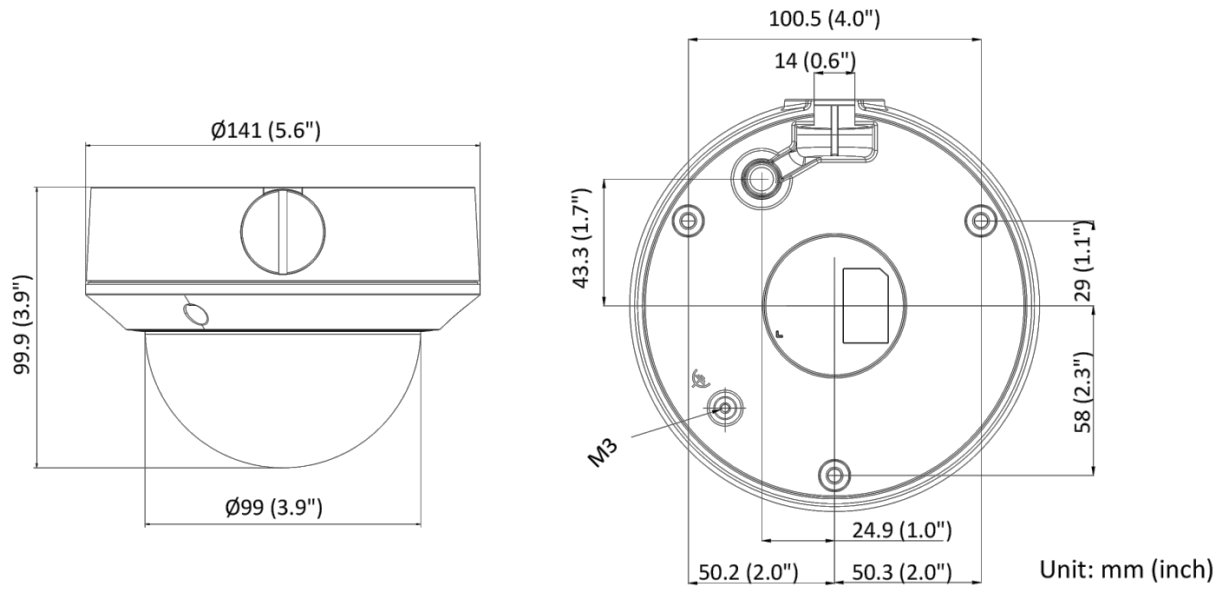
| Level | Description |
|------------------------|--|
| Top-level protection | Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more. |
| Moderate protection | Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain. |
| No specific protection | Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed. |

▪ Available Model

DS-2CD1743G2-IZ (2.8 to 12 mm)












DS-2CD1743G2-IZS (2.8 to 12 mm)

▪ Dimension



▪ **Accessory**

▪ **Optional**

| | | | | |
|---|---|---|---|--|
| <p>DS-1250ZJ Rain Shade</p>  | <p>DS-1258ZJ-L Wall Mount</p>  | <p>DS-1280ZJ-DM21 Junction Box</p>  | <p>D20-AP Adapter Plate</p>  | <p>DS-1253ZJ-L Rain Shade</p>  |
| <p>DS-1275ZJ-SUS Vertical Pole Mount</p>  | <p>DS-1276ZJ-SUS Corner Mount</p>  | <p>DS-1227ZJ In-Ceiling Mount</p>  | <p>DS-1271ZJ-135 Pendant Mount</p>  | <p>DS-1273ZJ-135 Wall Mount</p>  |
| <p>DS-1281ZJ-DM23 Inclined Ceiling Mount</p>  | <p>DS-1473ZJ-135B Wall Mount</p>  | | | |

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