# DS-2CD2183G2-IU (D)
# 8 MP AcuSense Vandal Fixed 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 8 MP resolution
- Clear imaging against strong backlight due to 120 dB true WDR technology
- Efficient H.265+ compression technology
- Focus on human and vehicle targets classification based on deep learning
- Built-in microphone for real-time audio security
- Water and dust resistant (IP67) and vandal-resistant (IK10)

## ▪ Specification

| | |
|---|---|
| **Camera** | |
| Image Sensor | 1/2.8" Progressive Scan CMOS |
| Max. Resolution | 3840 × 2160 |
| Min. Illumination | Color: 0.005 Lux @ (F1.6, AGC ON),B/W: 0 Lux with IR |
| Shutter Time | 1/3 s to 1/100,000 s |
| Day & Night | IR cut filter |
| Angle Adjustment | Pan: 0° to 355°,tilt: 0° to 75°,rotate: 0° to 355° |
| **Lens** | |
| Lens Type | Fixed focal lens, 2.8 and 4 mm optional |
| Focal Length & FOV | 2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 128°<br>4 mm, horizontal FOV 87°, vertical FOV 46°, diagonal FOV 105° |
| Lens Mount | M12 |
| Iris Type | Fixed |
| Aperture | F1.6 |
| **DORI** | |
| DORI | 2.8 mm: D: 88 m, O: 35 m, R: 17 m, I: 9 m<br>4 mm: D: 108 m, O: 43 m, R: 22 m, I: 11 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: 20 fps (3840 × 2160) 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720); 60 Hz: 20 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) |
| Sub-Stream | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) |
| Third Stream | 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360),<br>*Third stream is supported under certain settings. |
| Video Bit Rate | 32 Kbps to 16 Mbps |
| H.264 Type | Baseline Profile,Main Profile,High Profile |
| H.265 Type | Main Profile |
| Bit Rate Control | CBR,VBR |
| Video Compression | Main stream: H.265+/H.265/H.264+/H.264,<br>Sub-stream: H.265/H.264/MJPEG,<br>Third stream: H.265/H.264 (*Third stream is supported under certain settings.) |
| Scalable Video Coding (SVC) | H.264 and H.265 encoding |
| Region of Interest (ROI) | 1 fixed region(s) for main stream and sub-stream |
| **Audio** | |
| Audio Type | Mono sound |
| Audio Compression | G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC |

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| Audio Bit Rate | 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32-192 Kbps (MP2L2)/8-320 Kbps (MP3)/16-64 Kbps (AAC-LC) |
| Audio Sampling Rate | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz |
| Environment Noise Filtering | Yes |
| **Network** | |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, WebSocket, WebSockets |
| Simultaneous Live View | Up to 6 channels |
| API | Open Network Video Interface (Profile S, Profile G), ISAPI, SDK, ISUP |
| User/Host | Up to 32 users<br>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,<br>Plug-in free live view: Chrome 57.0+, Firefox 52.0+,<br>Local service: Chrome 57.0+, Firefox 52.0+ |
| **Image** | |
| Image Parameters Switch | Yes |
| Image Settings | Rotate, mirror, privacy mask, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser |
| Day/Night Switch | Day,Night,Auto,Schedule |
| Wide Dynamic Range (WDR) | 120 dB |
| SNR | ≥ 52 dB |
| Image Enhancement | BLC,HLC,3D DNR |
| Privacy Mask | 4 programmable polygon privacy masks |
| **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 512 GB |
| Reset Key | Yes |
| Built-in Microphone | Yes |
| **Event** | |
| Basic Event | Motion detection (support alarm triggering by specified target types (human and vehicle)),video tampering alarm,exception |
| Smart Event | Face detection |
| Linkage | Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger recording,trigger capture |
| **Deep Learning Function** | |
| Perimeter Protection | Line crossing, intrusion<br>Support alarm triggering by specified target types (human and vehicle) |

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| **General** | |
| Power | 12 VDC ± 25%, 0.5 A, max. 6 W,Ø5.5 mm coaxial power plug,reverse polarity protection,<br>PoE: 802.3af, Class 3, 36 V to 57 V, 0.25 A to 0.15 A, max. 7.5 W |
| Dimension | Ø121.4 mm × 92.2 mm (Ø4.8" × 3.6") |
| Package Dimension | 150 mm × 150 mm × 141 mm (5.9" × 5.9" × 5.6") |
| Weight | Approx. 550 g (1.2 lb.) |
| With Package Weight | Approx. 800 g (1.8 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 | Heartbeat,anti-flicker,password reset via email,pixel counter |
| **Approval** | |
| EMC | FCC: 47 CFR Part 15, Subpart B,<br>CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014,<br>RCM: AS/NZS CISPR 32: 2015,<br>IC: ICES-003: Issue 7,<br>KC: KN32: 2015, KN35: 2015 |
| Environment | CE-RoHS: 2011/65/EU,<br>WEEE: 2012/19/EU,<br>Reach: Regulation (EC) No 1907/2006 |
| Protection | IP67: IEC 60529-2013,IK10: IEC 62262:2002 |
| Safety | UL: UL 62368-1,<br>CB: IEC 62368-1: 2014+A11,<br>CE-LVD: EN 62368-1: 2014/A11: 2017,<br>BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005 |

## ▪ Typical Application

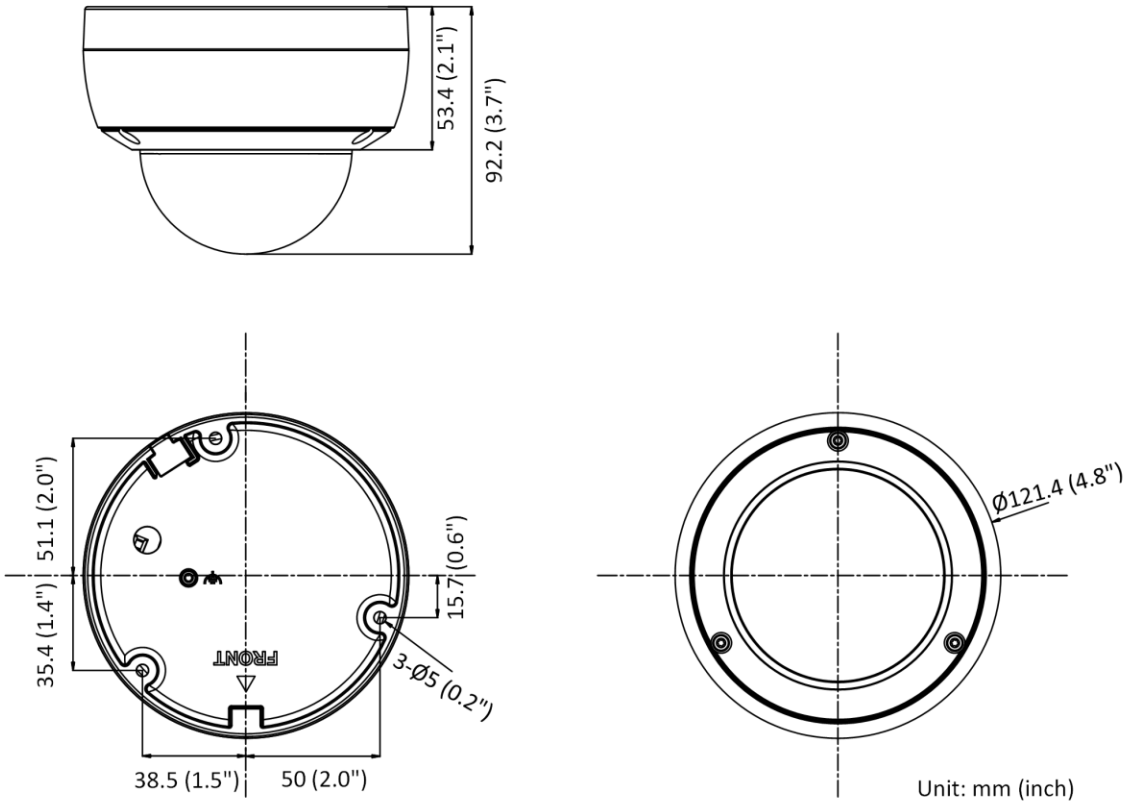
Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

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 |

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| | 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. |

## ▪ Dimension



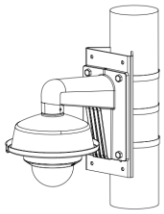
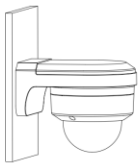
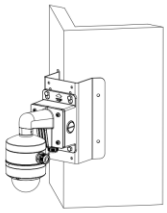
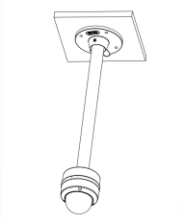

## ▪ Accessory

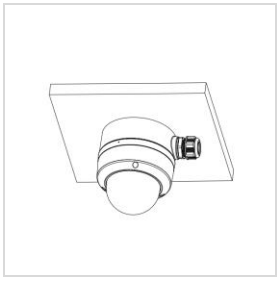
### ▪ Optional

| DS-1475ZJ-SUS | DS-1272ZJ-120 | DS-1275ZJ-SUS | DS-220AZJ-145-WA | DS-1276ZJ-SUS |
|---|---|---|---|---|
|  |  |  |  |  |
| **DS-1476ZJ-SUS** | **DS-1272ZJ-120B** | **DS-1275ZJ-S-SUS** | **DS-1271ZJ-120** | **DS-220AZJ-130-WA** |

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|  |  |  |  |  |
| DS-1280ZJ-DM46 | | | | |
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## ▪ Installation Methods

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|---|---|---|---|---|
| Vertical Pole Mounting DS-1475ZJ-SUS+DS-220AZJ-145-WA | Vertical Pole Mounting DS-1275ZJ-SUS+DS-1272ZJ-120+DS-1253ZJ-M | Vertical Pole Mounting DS-1275ZJ-S-SUS+DS-220AZJ-130-WA | Wall Mounting DS-1272ZJ-120+DS-1253ZJ-M | Wall Mounting DS-220AZJ-145-WA |
|  |  |  |  |  |
| Wall Mounting DS-1272ZJ-120B+DS-1253ZJ-M | Wall Mounting DS-220AZJ-130-WA | Corner Mounting DS-1276ZJ-SUS+DS-1272ZJ-120B+DS-1280ZJ-DM46 | Corner Mounting DS-1476ZJ-SUS+DS-220AZJ-130-WA | Pendant Mounting DS-1271ZJ-120 |
|  |  |  |  |  |
| Junction Box DS-1280ZJ-DM46 | | | | |



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