

DS-2CD2143G2-IU (Black)
4 MP AcuSense Built-in Mic 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 4 MP resolution
- Clear imaging against strong backlight due to 120 dB WDR technology
- Efficient H.265+ compression technology
- Built-in microphone for real-time audio security
- Water and dust resistant (IP67) and vandal resistant (IK10)
- Focus on human and vehicle targets classification based on deep learning

▪ Specification

| Camera | |
|-----------------------------|---|
| Image Sensor | 1/3" Progressive Scan CMOS |
| Max. Resolution | 2688 × 1520 |
| 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 | |
| Focal Length & FOV | 2.8 mm, horizontal FOV 103°, vertical FOV 55°, diagonal FOV 122° 4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 100° |
| Lens Mount | M12 |
| Iris Type | Fixed |
| Aperture | F1.6 |
| DORI | |
| DORI | 2.8 mm: D: 67 m, O: 26 m, R: 13 m, I: 6 m 4 mm: D: 80 m, O: 31 m, R: 16 m, I: 8 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 (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720) |
| Sub-Stream | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 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) |
| Video Compression | Main stream: H.265/H.264/H.264+/H.265+ Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264 |
| 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) | Yes |
| Region of Interest (ROI) | 1 fixed region for main stream and sub-stream |
| Audio | |
| Audio Compression | G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC |
| Audio Bit Rate | 64Kbps(G.711ulaw/G.711alaw)/16Kbps(G.722.1)/16Kbps(G.726)/16Kbps-64Kbps(AAC-LC)/32-192Kbps(MP2L2)/8-320Kbps(MP3) |
| 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, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, 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. 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 | |
| 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 |
| Interface | |
| Ethernet Interface | 1 RJ45 10M/100M self-adaptive Ethernet port |
| On-Board Storage | Built-in microSD, up to 512 GB |
| Built-in Microphone | Yes |
| Reset Key | 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/memory card/NAS, 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 ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity protection PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W |
| Dimension | Ø121.4 × 92.2 mm (Ø4.8" × 3.7") |
| Package Dimension | 150 × 150 × 141 mm (5.9" × 5.9" × 5.6") |
| Weight | Approx. 570 g (1.3 lb.) |
| With Package Weight | Approx. 806 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 | Anti-flicker, heartbeat, password reset via e-mail, pixel counter |
| Approval | |
| EMC | FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015) |
| Safety | UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015) |
| Environment | CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006) |
| Protection | IP67 (IEC 60529-2013), IK10 (IEC 62262: 2002) |

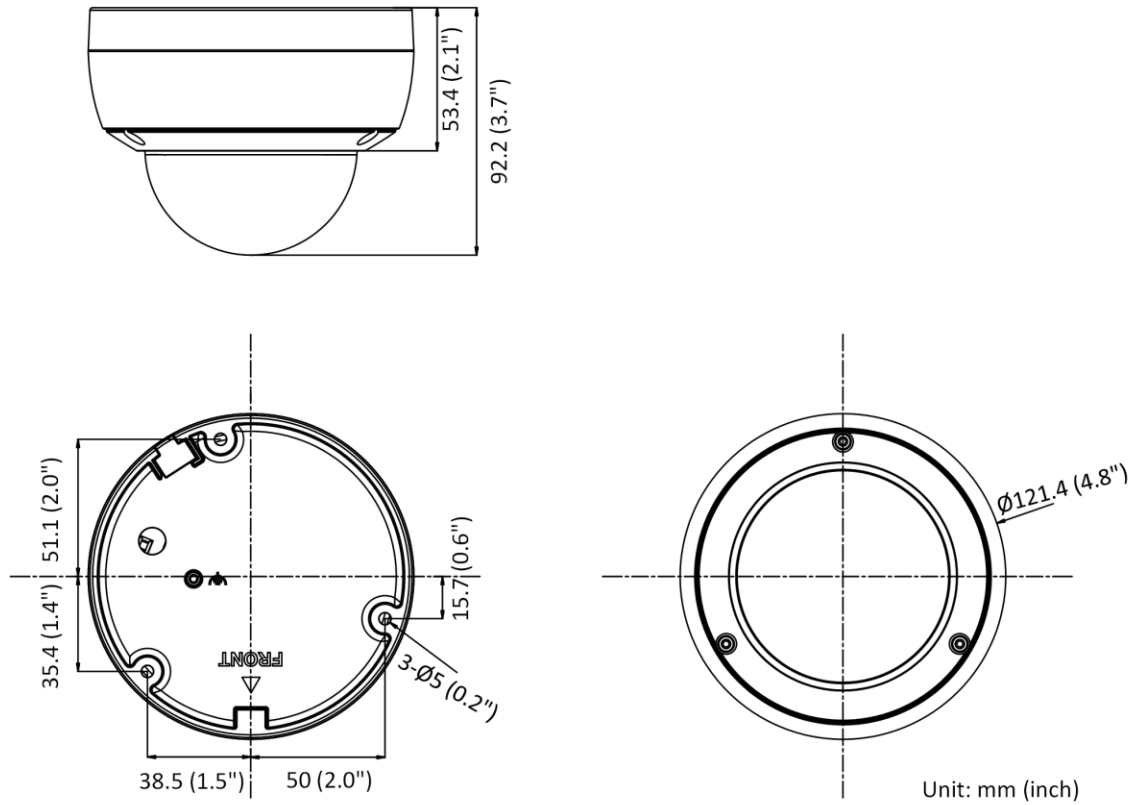
▪ Typical Application

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. |

▪ Dimension



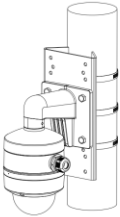

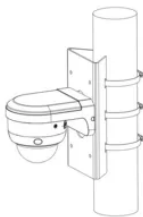
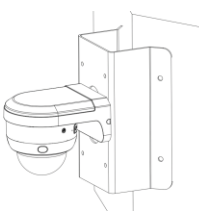
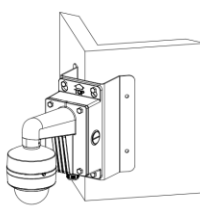
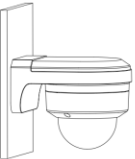
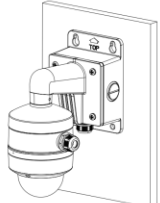

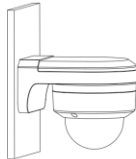
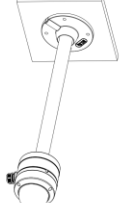

▪ Accessory

▪ Optional

| DS-1275ZJ-SUS(Bla ck) | DS-1476ZJ-SUS(Bla ck) | DS-220AZJ-145-BA | DS-1475ZJ-SUS(Bla ck) | DS-1276ZJ-SUS(Bla ck) |
|--------------------------|---------------------------|---------------------------|--------------------------|----------------------------|
| | | | | |
| DS-1271ZJ-120(Bla ck) | DS-1272ZJ-120B(Bl ack) | DS-1280ZJ-DM46(B lack) | DS-1272ZJ-120(Bla ck) | DS-1275ZJ-S-SUS(B lack) |
| | | | | |
| DS-220AZJ-130-BA | | | | |



▪ **Installation Methods**

| | | | | |
|---|---|---|---|---|
| <p>Vertical Pole Mounting DS-1275ZJ-SUS(Black) +DS-1280ZJ-DM46(Black)+DS-1272ZJ-120(Black)</p> | <p>Vertical Pole Mounting DS-1475ZJ-SUS(Black) +DS-220AZJ-130-BA</p> | <p>Vertical Pole Mounting DS-1275ZJ-S-SUS(Black)+DS-220AZJ-130-BA</p> | <p>Corner Mounting DS-1476ZJ-SUS(Black) +DS-220AZJ-130-BA</p> | <p>Corner Mounting DS-1276ZJ-SUS(Black) +DS-1272ZJ-120(Black)</p> |
|  |  |  |  |  |
| <p>Wall Mounting DS-220AZJ-145-BA</p> | <p>Wall Mounting DS-1272ZJ-120(Black)+DS-1280ZJ-DM46(Black)</p> | <p>Wall Mounting DS-1272ZJ-120(Black) +DS-1253ZJ-M(Black)</p> | <p>Wall Mounting DS-220AZJ-130-BA</p> | <p>Pendant Mounting DS-1271ZJ-120(Black) +DS-1280ZJ-DM46(Black)</p> |
|  |  |  |  |  |
| <p>Junction Box DS-1280ZJ-DM46(Black)</p> | | | | |
|  | | | | |

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