# DS-2CD2343G2-I(U)
# 4 MP AcuSense Fixed Turret 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
- -U: Built-in microphone for real-time audio security
- Water and dust resistant (IP67)
- Focus on human and vehicle targets classification based on deep learning

## ▪ Specification

| | |
|---|---|
| **Camera** | |
| Image Sensor | 1/3” Progressive Scan CMOS |
| Min. Illumination | Color: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR on |
| Shutter Speed | 1/3 s to 1/100,000 s |
| Slow Shutter | Yes |
| P/N | P/N |
| Wide Dynamic Range | 120 dB |
| Day & Night | ICR Cut |
| Angle Adjustment | Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360° |
| **Lens** | |
| Lens Type & FOV | 2.8 mm, horizontal FOV 103°, vertical FOV 55°, diagonal FOV 122°<br>4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 100° |
| Aperture | F1.6 |
| Lens Mount | M12 |
| **DORI** | |
| DORI | 2.8 mm: D: 67 m, O: 26 m, R: 13 m, I: 6 m<br>4 mm: D: 80 m, O: 31 m, R: 16 m, I: 8 m |
| **Illuminator** | |
| IR Range | Up to 30 m |
| Wavelength | 850 nm |
| **Video** | |
| Max. Resolution | 2688 × 1520 |
| Main Stream | 50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)<br>60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720) |
| Sub Stream | 50 Hz: 25 fps (640 × 480, 640 × 360)<br>60 Hz: 30 fps (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) |
| Video Compression | Main stream: H.265/H.264/H.264+/H.265+<br>Sub-stream: H.265/H.264/MJPEG<br>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 |
| H.264+ | Main Stream supports |
| H.265+ | Main Stream supports |
| Bit Rate Control | CBR/VBR |
| Scalable Video Coding (SVC) | Yes |
| Region of Interest (ROI) | 1 fixed region for main stream and sub-stream |
| **Audio** | |
| Environment Noise Filtering | -U: Yes |
| Audio Sampling Rate | -U: 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz |
| Audio Compression | -U: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC |

| | |
|---|---|
| Audio Bit Rate | -U:<br>64Kbps(G.711ulaw/G.711alaw)/16Kbps(G.722.1)/16Kbps(G.726)/16Kbps-64Kbps(AAC)<br>/32-192Kbps(MP2L2)/8-320Kbps(MP3) |
| **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 | MicroSD/SDHC/SDXC card (256 GB) local storage, and 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** | |
| 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** | |
| Built-in Microphone | -U: yes |
| On-board Storage | Built-in micro SD, up to 256 GB |
| Hardware Reset | Yes |
| Communication Interface | 1 RJ45 10M/100M self-adaptive Ethernet port |
| **Event** | |
| Basic Event | Motion detection (human and vehicle targets classification), video tampering alarm, exception |
| Face Detection | Yes |
| **Deep Learning Function** | |
| Perimeter Protection | Line crossing detection, intrusion detection<br>Supports human and vehicle targets classification |
| **General** | |
| Linkage Method | Upload to FTP/memory card/NAS, notify surveillance center, trigger record, trigger capture, Email |
| Web Client Language | 33 languages<br>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 |

| | |
|---|---|
| Software Reset | Yes |
| 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) |
| Power Supply | 12 VDC ± 25%, reverse polarity protection<br>PoE: 802.3af, Class 3 |
| Power Consumption and Current | 12 VDC, 0.5 A, max. 6 W<br>PoE (802.3af, 36 V to 57 V), 0.19 A to 0.12 A, max. 7 W |
| Power Interface | Ø5.5 mm coaxial power plug |
| Material | Aluminum alloy body |
| Camera Dimension | Ø127.3 × 95.9 mm (Ø5.01" × 3.78") |
| Package Dimension | 150 × 150 × 141 mm (5.9" × 5.9" × 5.6") |
| Camera Weight | Approx. 600 g (1.3 lb.) |
| With Package Weight | Approx. 816 g (1.8 lb.) |
| **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) |

## ▪ Available Model

DS-2CD2343G2-I (2.8/4 mm)

DS-2CD2343G2-IU (2.8/4 mm)

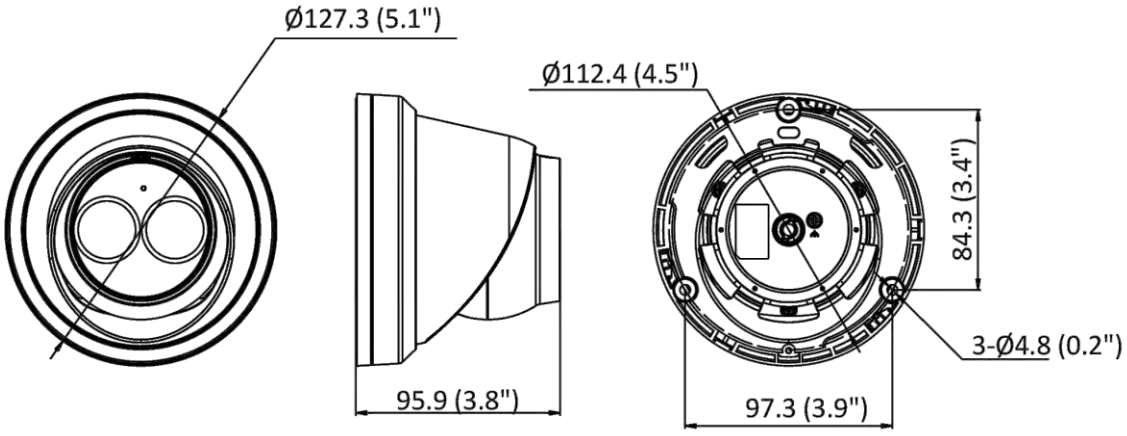
## ▪ Typical Application

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




Unit: mm (inch)

## ▪ Accessory

### ▪ Optional

| | | | | |
|---|---|---|---|---|
| **DS-1271ZJ-130-TRL Pendant Mount** | **DS-1276ZJ-SUS (Black) Corner Mount** | **DS-1281ZJ-M (Black) Inclined Ceiling Mount** | **DS-1275ZJ-SUS Vertical Pole Mount** | **DS-1271ZJ-130-TRL (Black) Pendant Mount** |
|  |  |  |  |  |
| **DS-1280ZJ-DM8 (Black) Junction Box** | **DS-1281ZJ-M Inclined ceiling mount** | **DS-1273ZJ-130B-TRL Wall mount** | **DS-1276ZJ-SUS Corner mount** | **DS-1275ZJ-SUS (Black) Vertical Pole Mount** |
|  |  |  |  |  |
| **DS-1273ZJ-130-TRL (Black) Wall Mount** | **DS-1280ZJ-DM8 Junction box** | **DS-1273ZJ-130-TRL Wall mount** | | |
|  |  |  | | |

Distributed by

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