

**DS-2CD2343G2-LI2U****4 MP Acusense Smart Hybrid Light Fixed Turret Network Camera**

# AcuSense



- High quality imaging with 4 MP resolution
- Acusense: Focus on human and vehicle classification based on deep learning
- Smart Hybrid Light: Integrates IR and White lights, 4 supplemental lighting modes
- -2U: Built-in arrayed dual-microphone for real-time high quality audio security
- Clear imaging against strong back light due to 120 dB true WDR technology
- Efficient H.265+ compression technology
- Water and dust resistant (IP67)

## ▪ Specification

| Camera                      |                                                                                                                                                                                      |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/3" Progressive Scan CMOS                                                                                                                                                           |
| Max. Resolution             | 2688 × 1520                                                                                                                                                                          |
| Min. Illumination           | Color: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with light                                                                                                                                  |
| Shutter Time                | 1/3 s to 1/100,000 s                                                                                                                                                                 |
| Day & Night                 | IR cut filter                                                                                                                                                                        |
| Angle Adjustment            | Pan: 0° to 360°, 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 104°, vertical FOV 57°, diagonal FOV 122°<br>4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 100°                                                    |
| Lens Mount                  | M12                                                                                                                                                                                  |
| Iris Type                   | Fixed                                                                                                                                                                                |
| Aperture                    | F1.6                                                                                                                                                                                 |
| Depth of Field              | 2.8 mm: 1.4 m to ∞<br>4 mm: 1.5 m to ∞                                                                                                                                               |
| DORI                        |                                                                                                                                                                                      |
| DORI                        | 2.8 mm, D: 63 m, O: 25 m, R: 12 m, I: 6 m<br>4 mm, D: 78 m, O: 31 m, R: 15 m, I: 7 m                                                                                                 |
| Illuminator                 |                                                                                                                                                                                      |
| Supplement Light Type       | IR, White Light                                                                                                                                                                      |
| Supplement Light Range      | Up to 30 m                                                                                                                                                                           |
| Smart Supplement Light      | Yes                                                                                                                                                                                  |
| IR Wavelength               | 850 nm                                                                                                                                                                               |
| Video                       |                                                                                                                                                                                      |
| Main Stream                 | 50 Hz:<br>25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)<br>60 Hz:<br>30 fps (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 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,<br>*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                                                                                                                                                                         |
| Scalable Video Coding (SVC) | H.264 and H.265 encoding                                                                                                                                                             |
| Bit Rate Control            | CBR, VBR                                                                                                                                                                             |
| Region of Interest (ROI)    | 1 fixed region for main stream and sub-stream                                                                                                                                        |
| Target Cropping             | Yes                                                                                                                                                                                  |

| Audio                       |                                                                                                                                                                                                                                      |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Audio Compression           | -2U: G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC                                                                                                                                                                                        |
| Audio Bit Rate              | -2U: 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)                                                                                               |
| Audio Sampling Rate         | -2U: 8 kHz/16 kHz/32 kHz/48 kHz                                                                                                                                                                                                      |
| Environment Noise Filtering | -2U: Yes                                                                                                                                                                                                                             |
| Network                     |                                                                                                                                                                                                                                      |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, 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                         | ONVIF (ProfileS, Profile G),ISAPI,SDK,ISUP                                                                                                                                                                                           |
| Security                    | Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2/1.3, WSSE and digest authentication for Open Network Video Interface |
| User/Host                   | Up to 32 users<br>3 user levels: administrator, operator, and user                                                                                                                                                                   |
| Network Storage             | NAS (NFS, SMB/CIFS),Auto Network Replenishment (ANR), Together with high-end Hikvision memory card, memory card encryption and health detection are supported.                                                                       |
| Client                      | iVMS-4200,Hik-Connect,Hik-Central                                                                                                                                                                                                    |
| Web Browser                 | Plug-in required liveview: IE 11,<br>Plug-in free liveview: Chrome 80+, Firefox 80+, Edge 89+, Safari 13+,<br>Local service: Chrome 80+, Firefox 80+, Edge 89+, Safari 13+                                                           |
| Image                       |                                                                                                                                                                                                                                      |
| Image Parameters Switch     | Yes                                                                                                                                                                                                                                  |
| Day/Night Switch            | Day,Night,Auto,Schedule                                                                                                                                                                                                              |
| Image Settings              | Rotate mode                                                                                                                                                                                                                          |
| Wide Dynamic Range (WDR)    | 120 dB                                                                                                                                                                                                                               |
| SNR                         | ≥ 52 dB                                                                                                                                                                                                                              |
| Image Enhancement           | BLC,HLC,3D DNR                                                                                                                                                                                                                       |
| Privacy Mask                | 8 programmable polygon privacy masks                                                                                                                                                                                                 |
| Interface                   |                                                                                                                                                                                                                                      |
| Ethernet Interface          | 1 RJ45 10 M/100 M self-adaptive Ethernet port                                                                                                                                                                                        |
| Audio                       | Built-in Microphone:<br>-2U: Arrayed dual-microphone                                                                                                                                                                                 |
| On-Board Storage            | Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB                                                                                                                                                    |
| 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/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)                                                                                                                                                                                                                                                    |
| General                          |                                                                                                                                                                                                                                                                                                                                                       |
| Power                            | 12 VDC $\pm$ 25%, 0.58 A, max. 7 W, $\varnothing$ 5.5 mm coaxial power plug, reverse polarity protection,<br>PoE: IEEE 802.3af, Class 3, max. 9 W                                                                                                                                                                                                     |
| Material                         | Metal                                                                                                                                                                                                                                                                                                                                                 |
| Dimension                        | $\varnothing$ 127.3 mm $\times$ 96.3 mm ( $\varnothing$ 5.0" $\times$ 3.8")                                                                                                                                                                                                                                                                           |
| Package Dimension                | 150 mm $\times$ 150 mm $\times$ 141 mm (5.9" $\times$ 5.5" $\times$ 5.5")                                                                                                                                                                                                                                                                             |
| Weight                           | Approx. 515 g (1.1 lb.)                                                                                                                                                                                                                                                                                                                               |
| With Package Weight              | Approx. 755 g (1.7 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, mirror, flash log, password reset via email, pixel counter, anti-banding                                                                                                                                                                                                                                                                   |
| Approval                         |                                                                                                                                                                                                                                                                                                                                                       |
| EMC                              | CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021,<br>RCM: AS/NZS CISPR 32: 2015,<br>IC: ICES-003: Issue 7,<br>KC: KN32: 2015, KN35: 2015                                                                                                                                      |
| Safety                           | 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,<br>LOA: IEC/EN 60950-1                                                                                                                                                                                                              |
| Environment                      | CE-RoHS: 2011/65/EU,<br>WEEE: 2012/19/EU,<br>Reach: Regulation (EC) No 1907/2006                                                                                                                                                                                                                                                                      |
| Protection                       | IP67: IEC 60529-2013                                                                                                                                                                                                                                                                                                                                  |

## ▪ Typical Application

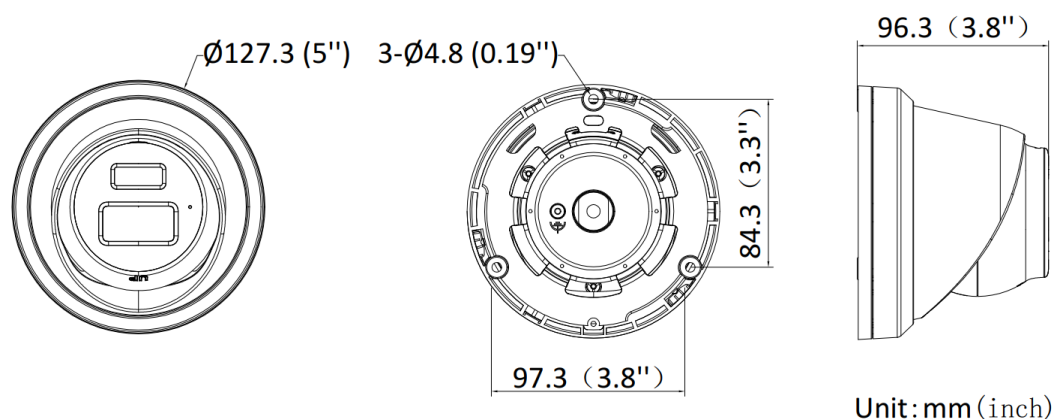
Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

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-1276ZJ-SUS | DS-1273ZJ-130B-T<br>RL | DS-1475ZJ-SUS | DS-1273ZJ-130-TRL | DS-220AZJ-145-WA  |
|---------------|------------------------|---------------|-------------------|-------------------|
|               |                        |               |                   |                   |
| DS-1275ZJ-SUS | DS-1275ZJ-S-SUS        | DS-1281ZJ-M   | DS-220AZJ-130-WA  | DS-1271ZJ-130-TRL |
|               |                        |               |                   |                   |
| DS-1280ZJ-DM8 | DS-1476ZJ-SUS          |               |                   |                   |



## ■ Installation Methods

|                                                     |                                                                 |                                                                              |                                                                   |                                                 |
|-----------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------|
| <b>Corner Mounting</b><br>DS-1276ZJ-SUS+DS-1281ZJ-M | <b>Corner Mounting</b><br>DS-1476ZJ-SUS+DS-220AZJ-130-WA        | <b>Wall Mounting</b><br>DS-1273ZJ-130B-TRL                                   | <b>Wall Mounting</b><br>DS-1273ZJ-130-TRL+DS-1253ZJ-L             | <b>Wall Mounting</b><br>DS-220AZJ-145-WA        |
|                                                     |                                                                 |                                                                              |                                                                   |                                                 |
| <b>Wall Mounting</b><br>DS-220AZJ-130-WA            | <b>Vertical Pole Mounting</b><br>DS-1475ZJ-SUS+DS-220AZJ-145-WA | <b>Vertical Pole Mounting</b><br>DS-1275ZJ-SUS+DS-1273ZJ-130-TRL+DS-1253ZJ-L | <b>Vertical Pole Mounting</b><br>DS-1275ZJ-S-SUS+DS-220AZJ-145-WA | <b>Inclined Ceiling Mounting</b><br>DS-1281ZJ-M |
|                                                     |                                                                 |                                                                              |                                                                   |                                                 |
| <b>Pendant Mounting</b><br>DS-1271ZJ-130-TRL        | <b>Junction Box</b><br>DS-1280ZJ-DM8                            |                                                                              |                                                                   |                                                 |
|                                                     |                                                                 |                                                                              |                                                                   |                                                 |

# See Far, Go Further



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