

**DS-2CD2T43G2-LIZS2UY/S(L)(RB)****4 MP Acusense Smart Hybrid Light Motorized Varifocal Bullet Network Camera**

# AcuSense



- 2.8/4 mm in one lens, point vari-focal
- Active strobe light and audio alarm
- Anti-corrosion design (NEMA 4X), more reliable
- Smart Hybrid Light: integrates IR and white lights, 3 supplemental lighting modes
- Crystal-clear audio with Arrayed Dual-Mic
- Person and vehicle classification based on deep learning
- 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), B/W: 0 Lux with IR                                                                                                                                |
| Shutter Time                | 1 s to 1/100,000 s                                                                                                                                                                   |
| Day & Night                 | IR cut filter                                                                                                                                                                        |
| Angle Adjustment            | Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°                                                                                                                                 |
| Lens                        |                                                                                                                                                                                      |
| Lens Type                   | Varifocal lens, motorized lens, 2.8 to 4 mm                                                                                                                                          |
| Focal Length & FOV          | 2.8 mm, horizontal FOV 99.3°, vertical FOV 54.8°, diagonal FOV 120.2°<br>4 mm, horizontal FOV 80.0°, vertical FOV 44.1°, diagonal FOV 94.0°                                          |
| Lens Mount                  | Ø14                                                                                                                                                                                  |
| Iris Type                   | Fixed                                                                                                                                                                                |
| Aperture                    | F1.6                                                                                                                                                                                 |
| Depth of Field              | 2.8 mm: 1.1 m to ∞<br>4 mm: 1.3 m to ∞                                                                                                                                               |
| DORI                        |                                                                                                                                                                                      |
| DORI                        | 2.8mm: D: 66.6 m, O: 26.4 m, R: 13.3 m, I: 6.7 m<br>4mm: D: 79.2 m, O: 31.4 m, R: 15.8 m, I: 7.9 m                                                                                   |
| Illuminator                 |                                                                                                                                                                                      |
| Supplement Light Type       | IR, White Light                                                                                                                                                                      |
| Supplement Light Range      | up to 60 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                                                                                                                                                       |

| Audio                       |                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Audio Type                  | Mono sound                                                                                                                                                                                                                                                                                                                      |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC                                                                                                                                                                                                                                                                                        |
| Audio Bit Rate              | 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)                                                                                                                                                                                               |
| Audio Sampling Rate         | 8 kHz/16 kHz/32 kHz/48 kHz                                                                                                                                                                                                                                                                                                      |
| Environment Noise Filtering | 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, 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 live view: IE 11,<br>Plug-in free live view: 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, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser                                                                                                                                                                                                     |
| 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         | 2 built-in microphones                                                                                                                                                                                                                                                                                                          |
| Built-in Speaker            | Max. power consumption: 2 W, max. sound pressure level: 10 cm: 120 dB.                                                                                                                                                                                                                                                          |
| Audio                       | Built-in Microphone: Arrayed dual-microphone,<br>1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium,<br>1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium |
| Alarm                       | 1 input, 1 output (max. 24 VDC/24 VAC, 1 A)                                                                                                                                                                                                                                                                                     |

| Event                            |                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Basic Event                      | Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception                                                                                                                                                                                                                           |
| Smart Event                      | Scene change detection                                                                                                                                                                                                                                                                                                                                |
| Linkage                          | Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger recording, trigger capture, audible warning, trigger alarm output, strobe light                                                                                                                                                                                        |
| Deep Learning Function           |                                                                                                                                                                                                                                                                                                                                                       |
| Face Capture                     | Yes                                                                                                                                                                                                                                                                                                                                                   |
| Perimeter Protection             | Line crossing, intrusion, region entrance, region exiting<br>Support alarm triggering by specified target types (human and vehicle)                                                                                                                                                                                                                   |
| General                          |                                                                                                                                                                                                                                                                                                                                                       |
| Power                            | 12 VDC $\pm$ 25%, 1.41 A, max. 17 W, $\varnothing$ 5.5 mm coaxial power plug, reverse polarity protection,<br>PoE: IEEE 802.3at, Class 4, max. 18 W                                                                                                                                                                                                   |
| Material                         | Metal                                                                                                                                                                                                                                                                                                                                                 |
| Dimension                        | 88.7 mm $\times$ 91.2 mm $\times$ 287.2 mm (3.5" $\times$ 3.6" $\times$ 11.3")                                                                                                                                                                                                                                                                        |
| Package Dimension                | 386 mm $\times$ 156 mm $\times$ 155 mm (15.2" $\times$ 6.1" $\times$ 6.1")                                                                                                                                                                                                                                                                            |
| Weight                           | Approx. 1220 g (2.7 lb.)                                                                                                                                                                                                                                                                                                                              |
| With Package Weight              | Approx. 1730 g (3.8 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                         | 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                                                                                                                                                                                                                                                                   |
| Flashing Light                   | -SRB: Red and Blue Light<br>-SL: White Light                                                                                                                                                                                                                                                                                                          |
| 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                                                                                                                                                                                                                              |
| Safety                           | CB: IEC 62368-1:2014+A11                                                                                                                                                                                                                                                                                                                              |
| 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 MODERATE 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

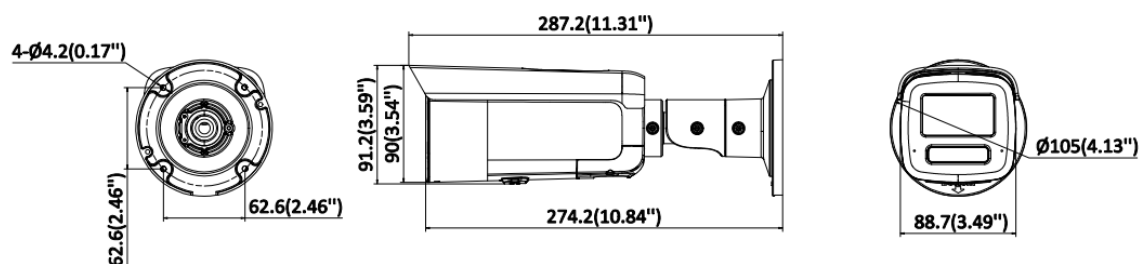
DS-2CD2T43G2-LIZS2UY/SL(2.8/4mm)

DS-2CD2T43G2-LIZS2UY/SRB(2.8/4mm)

DS-2CD2T43G2-LIZS2UY/SL(2.8/4mm)(BLACK)

DS-2CD2T43G2-LIZS2UY/SRB(2.8/4mm)(BLACK)

## ▪ Dimension



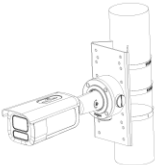
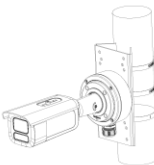
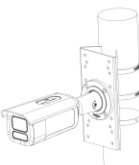
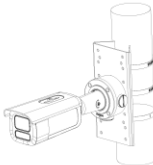
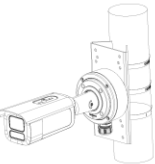
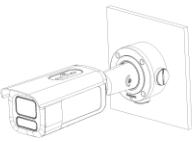
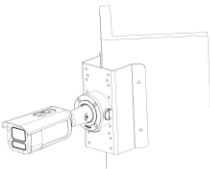
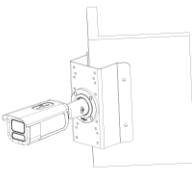
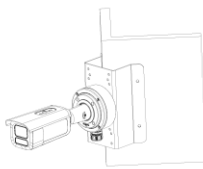
Unit: mm(inch)

## ▪ Accessory

### ▪ Optional

| DS-1275ZJ-S-SUS | DS-1275ZJ-SUS | DS-1260ZJ-Y | DS-1276ZJ-SUS |
|-----------------|---------------|-------------|---------------|
|                 |               |             |               |

▪ **Installation Methods**

|                                                                                    |                                                                                    |                                                                                    |                                                                                     |                                                                                      |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>Vertical Pole Mounting</b><br><b>DS-1275ZJ-S-SUS+DS-1260ZJ-Y</b>                | <b>Vertical Pole Mounting</b><br><b>DS-1275ZJ-S-SUS</b>                            | <b>Vertical Pole Mounting</b><br><b>DS-1275ZJ-S-SUS+DS-1280ZJ-S-Y</b>              | <b>Vertical Pole Mounting</b><br><b>DS-1275ZJ-SUS</b>                               | <b>Vertical Pole Mounting</b><br><b>DS-1275ZJ-SUS+DS-1260ZJ-Y</b>                    |
|   |   |   |   |   |
| <b>Vertical Pole Mounting</b><br><b>DS-1275ZJ-SUS+DS-1280ZJ-S-Y</b>                | <b>Junction Box</b><br><b>DS-1260ZJ-Y</b>                                          | <b>Corner Mounting</b><br><b>DS-1276ZJ-SUS+DS-1260ZJ-Y</b>                         | <b>Corner Mounting</b><br><b>DS-1276ZJ-SUS</b>                                      | <b>Corner Mounting</b><br><b>DS-1276ZJ-SUS+DS-1280ZJ-S-Y</b>                         |
|  |  |  |  |  |

# See Far, Go Further



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