

**DS-2CD2T166G3-IS2UY/S(L)(RB)****16MP Acusense Strobe Light and Audible Warning Fixed Bullet Network Camera**

Powered by

**DarkFighter****AcuSense 3.0**

- UHD: Ultra High Definition delivers lifelike immersion
- Active strobe light and audio alarm (/SL: white light, /SRB: red & blue light)
- Excellent low-light performance via Powered by DarkFighter
- Person and vehicle classification based on deep learning
- Crystal-clear audio with Built-in Arrayed Dual-Mic, and Smart PA Speaker
- Clear imaging against strong back light due to 130 dB true WDR technology
- Water and dust resistant (IP67)
- Anti-corrosion design, providing reliability and longevity compared to standard (NEMA 4X)
- Tamper-free & eco-friendly packaging

## ▪ Specification

| Camera                 |                                                                                                                                                                                                                                                                              |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor           | 1/1.8" Progressive Scan CMOS                                                                                                                                                                                                                                                 |
| Max. Resolution        | 4608 × 3456                                                                                                                                                                                                                                                                  |
| Min. Illumination      | Color: 0.0008 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              | Fixed focal lens, 2.8, 4, and 6 mm optional                                                                                                                                                                                                                                  |
| Focal Length & FOV     | 2.8 mm, horizontal FOV 94.2°, vertical FOV 69°, diagonal FOV 122.2°<br>4 mm, horizontal FOV 73.1°, vertical FOV 54°, diagonal FOV 93.4°                                                                                                                                      |
| Lens Mount             | M16                                                                                                                                                                                                                                                                          |
| Iris Type              | Fixed                                                                                                                                                                                                                                                                        |
| Aperture               | F1.6                                                                                                                                                                                                                                                                         |
| Depth of Field         | 2.8 mm: 2.9 m to ∞<br>4 mm: 3.5 m to ∞<br>6 mm: 8.3 m to ∞                                                                                                                                                                                                                   |
| DORI                   |                                                                                                                                                                                                                                                                              |
| DORI                   | 2.8 mm: D: 117 m, O: 46 m, R: 23 m, I: 11 m<br>4 mm: D: 148 m, O: 59 m, R: 29 m, I: 14 m<br>6 mm: D: 236 m, O: 93 m, R: 47 m, I: 23 m                                                                                                                                        |
| Illuminator            |                                                                                                                                                                                                                                                                              |
| Supplement Light Type  | IR                                                                                                                                                                                                                                                                           |
| Supplement Light Range | Up to 60 m                                                                                                                                                                                                                                                                   |
| Smart Supplement Light | Yes                                                                                                                                                                                                                                                                          |
| IR Wavelength          | 850 nm                                                                                                                                                                                                                                                                       |
| Video                  |                                                                                                                                                                                                                                                                              |
| Main Stream            | 50 Hz:<br>12.5 fps (4608 × 3456)<br>20 fps (4608 × 2592)<br>25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)<br><br>60 Hz:<br>15 fps (4608 × 3456)<br>20 fps (4608 × 2592)<br>30 fps (3840 × 2160, 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 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 24 Mbps                                                                                                                                                                                                                                                                                                                                                                    |
| H.264 Type                  | Baseline Profile, Main Profile, High Profile                                                                                                                                                                                                                                                                                                                                          |
| H.265 Type                  | Main Profile                                                                                                                                                                                                                                                                                                                                                                          |
| Bit Rate Control            | CBR, VBR                                                                                                                                                                                                                                                                                                                                                                              |
| Scalable Video Coding (SVC) | H.264 and H.265 encoding                                                                                                                                                                                                                                                                                                                                                              |
| Region of Interest (ROI)    | 1 fixed region for main stream                                                                                                                                                                                                                                                                                                                                                        |
| <b>Audio</b>                |                                                                                                                                                                                                                                                                                                                                                                                       |
| 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                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Network</b>              |                                                                                                                                                                                                                                                                                                                                                                                       |
| 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, SRTP, SFTP                                                                                                                                                                                               |
| Simultaneous Live View      | Up to 6 channels                                                                                                                                                                                                                                                                                                                                                                      |
| API                         | ONVIF (Profile S, Profile T, 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, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.1/1.2/1.3, host authentication (MAC address) |
| Network Storage             | NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR)                                                                                                                                                                                                                                                                                                                                 |
| Client                      | iVMS-4200, Hik-Connect, Hik-Central                                                                                                                                                                                                                                                                                                                                                   |
| Web Browser                 | Plug-in free live view: Chrome 80+, Firefox 80+, Edge 89+,<br>Local service: Chrome 80+, Firefox 80+, Edge 89+                                                                                                                                                                                                                                                                        |
| <b>Image</b>                |                                                                                                                                                                                                                                                                                                                                                                                       |
| Image Parameters Switch     | Yes                                                                                                                                                                                                                                                                                                                                                                                   |
| Image Settings              | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser                                                                                                                                                                                                                                                           |
| Day/Night Switch            | Day, Night, Auto, Schedule                                                                                                                                                                                                                                                                                                                                                            |
| Image Enhancement           | BLC, HLC, 3D DNR, Distortion Correction, Defog                                                                                                                                                                                                                                                                                                                                        |
| SNR                         | ≥ 52 dB                                                                                                                                                                                                                                                                                                                                                                               |
| Wide Dynamic Range (WDR)    | 130 dB                                                                                                                                                                                                                                                                                                                                                                                |
| Privacy Mask                | 4 programmable polygon privacy masks                                                                                                                                                                                                                                                                                                                                                  |
| <b>Interface</b>            |                                                                                                                                                                                                                                                                                                                                                                                       |
| 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                                                                                                                                                                                                                                                                                                     |
| Built-in Speaker            | Max. power consumption: 2 W, max. sound pressure level: 10 cm: 120 dB.                                                                                                                                                                                                                                                                                                                |

|                                  |                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Audio                            | Built-in Microphone:<br>Arrayed dual-microphone, 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 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)                                                                                                                                                                                                                                                                                                           |
| Reset Key                        | Yes                                                                                                                                                                                                                                                                                                                                                   |
| <b>Event</b>                     |                                                                                                                                                                                                                                                                                                                                                       |
| 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, trigger capture, send email, trigger alarm output, trigger recording, audible warning, strobe light flashing                                                                                                                                                                               |
| <b>Deep Learning Function</b>    |                                                                                                                                                                                                                                                                                                                                                       |
| Face Capture                     | Yes                                                                                                                                                                                                                                                                                                                                                   |
| Perimeter Protection             | Line crossing, intrusion, region entrance, region exiting<br>Support alarm triggering by specified target types (human and vehicle)                                                                                                                                                                                                                   |
| <b>General</b>                   |                                                                                                                                                                                                                                                                                                                                                       |
| Power                            | 12 VDC ± 25%, 1.41 A, max. 17 W, Ø5.5 mm coaxial power plug, reverse polarity protection,<br>PoE: IEEE 802.3at, Class 4, max. 18 W                                                                                                                                                                                                                    |
| Material                         | Front cover: metal, body: metal, bracket: Metal                                                                                                                                                                                                                                                                                                       |
| Dimension                        | 88.7 mm × 91.2 mm × 287.2 mm (3.5" × 3.6" × 11.3")                                                                                                                                                                                                                                                                                                    |
| Package Dimension                | 386 mm × 156 mm × 155 mm (15.2" × 6.1" × 6.1")                                                                                                                                                                                                                                                                                                        |
| Weight                           | Approx. 1250 g (2.8 lb.)                                                                                                                                                                                                                                                                                                                              |
| With Package Weight              | Approx. 1800 g (4.0 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)                                                                                                                                                                                                                                                                             |
| General Function                 | Heartbeat, mirror, flash log, password reset via email, pixel counter, anti-banding                                                                                                                                                                                                                                                                   |
| 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 |
| Flashing Light                   | /SRB model: Red and Blue Light<br>/SL model: White Light                                                                                                                                                                                                                                                                                              |
| <b>Approval</b>                  |                                                                                                                                                                                                                                                                                                                                                       |
| 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,<br>CE-LVD: EN 62368-1:2014/A11:2017                                                                                                                                                                                                                                                                                         |
| Environment                      | CE-RoHS: 2011/65/EU,<br>WEEE: 2012/19/EU,<br>Reach: Regulation (EC) No 1907/2006                                                                                                                                                                                                                                                                      |
| Protection                       | IP67: IEC 60529-2013                                                                                                                                                                                                                                                                                                                                  |
| Anti-Corrosion Protection        | NEMA 4X (NEMA 250-2018)                                                                                                                                                                                                                                                                                                                               |

## ▪ 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.

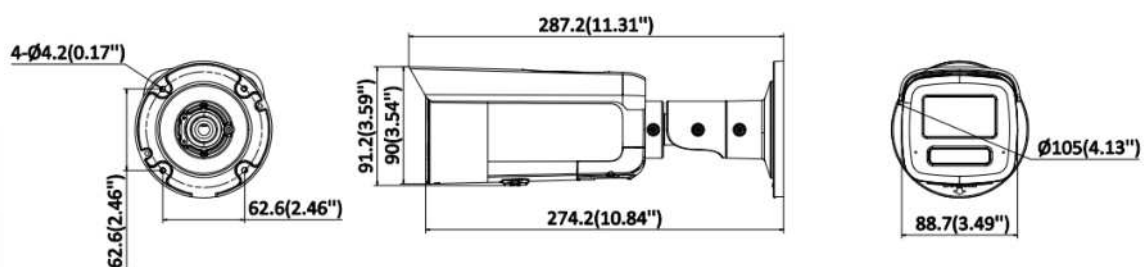
This model has MODERATE PROTECTION.

| 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-2CD2T166G3-IS2UY/SL(2.8mm)  
DS-2CD2T166G3-IS2UY/SRB(2.8)eFO-STDBLACK  
DS-2CD2T166G3-IS2UY/SL(4mm)  
DS-2CD2T166G3-IS2UY/SL(6mm)  
DS-2CD2T166G3-IS2UY/SRB(4mm)eFO-STDBLACK  
DS-2CD2T166G3-IS2UY/SRB(6mm)  
DS-2CD2T166G3-IS2UY/SL(2.8)eFO-STDBLACK  
DS-2CD2T166G3-IS2UY/SRB(2.8mm)  
DS-2CD2T166G3-IS2UY/SRB(4mm)  
DS-2CD2T166G3-IS2UY/SL(4mm)/eFO-STDBLACK

## ▪ Dimension



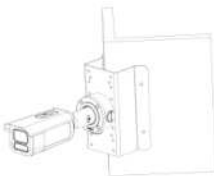
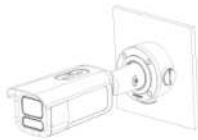
Unit: mm(inch)

## ▪ Accessory

### ▪ Optional

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

### ▪ Installation Methods

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

# See Far, Go Further



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