

**DS-2CD2T83G2P-LISU/S(L)(RB)****8 MP Panoramic AcuSense Fixed Bullet Network Camera**

- 180° Field of view
- High quality imaging with 8 MP resolution
- Support Person and Vehicle Detection
- Smart Hybrid Light: advanced technology with long range
- Efficient H.265+ compression technology
- Support on-board storage up to 512 GB (SD card slot)
- Provide real-time security via built-in two-way audio
- Water and dust resistant (IP67)
- Active strobe light and audio alarm to warn intruders off

## ▪ Specification

| Camera                      |                                                                                                               |
|-----------------------------|---------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/2.4" Progressive Scan CMOS                                                                                  |
| Max. Resolution             | 4256 × 1888                                                                                                   |
| Min. Illumination           | Color: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with light                                                           |
| 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 mm                                                                                        |
| Focal Length & FOV          | 2 mm, horizontal FOV 180°, vertical FOV 77°                                                                   |
| Iris Type                   | Fixed                                                                                                         |
| Lens Mount                  | M12                                                                                                           |
| Aperture                    | F1.6                                                                                                          |
| DORI                        |                                                                                                               |
| DORI                        | 2 mm, D: 50 m, O: 20 m, R: 10 m, I: 5 m                                                                       |
| Illuminator                 |                                                                                                               |
| Supplement Light Range      | Up to 30 m                                                                                                    |
| Smart Supplement Light      | Yes                                                                                                           |
| Supplement Light Type       | IR, White Light                                                                                               |
| IR Wavelength               | 850 nm                                                                                                        |
| Video                       |                                                                                                               |
| Main Stream                 | 50 Hz: 20 fps (4256 × 1888, 4096 × 1860)<br>60 Hz: 20 fps (4256 × 1888, 4096 × 1860)                          |
| Sub-Stream                  | 50 Hz: 20 fps (1200 × 536, 960 × 432)<br>60 Hz: 20 fps (1200 × 536, 960 × 432)                                |
| H.265 Type                  | Main Profile                                                                                                  |
| Video Compression           | Main stream: H.265+/H.265/H.264+/H.264,<br>Sub-stream: H.265/H.264/MJPEG                                      |
| Video Bit Rate              | 32 Kbps to 16 Mbps                                                                                            |
| H.264 Type                  | Baseline Profile, Main Profile, High 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                                                                                |
| Audio                       |                                                                                                               |
| Audio Sampling Rate         | 8 kHz/16 kHz                                                                                                  |
| Audio Bit Rate              | 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC) |
| Audio Type                  | Mono sound                                                                                                    |
| Environment Noise Filtering | Yes                                                                                                           |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC                                                                          |
| Network                     |                                                                                                               |
| Web Browser                 | Plug-in required live view: IE 11,<br>Local service: Chrome 80+, Firefox 80+, Edge 89+                        |
| Client                      | iVMS-4200, Hik-Connect                                                                                        |

|                          |                                                                                                                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Security                 | Password protection, complicated password, watermark, basic and digest authentication for HTTP, WSSE and digest authentication for Open Network Video Interface, security audit log, host authentication (MAC address)      |
| Simultaneous Live View   | Up to 6 channels                                                                                                                                                                                                            |
| API                      | ONVIF (ProfileS, ProfileT, ProfileG), ISAPI, SDK                                                                                                                                                                            |
| Protocols                | TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IGMP, IPv4, IPv6, UDP, QoS, FTP, SMTP, HTTPS, DDNS                                                                                                                     |
| User/Host                | Up to 32 users<br>3 user levels: administrator, operator, and user                                                                                                                                                          |
| <b>Image</b>             |                                                                                                                                                                                                                             |
| Day/Night Switch         | Day, Night, Auto, Schedule                                                                                                                                                                                                  |
| Image Enhancement        | BLC, HLC, 3D DNR                                                                                                                                                                                                            |
| Wide Dynamic Range (WDR) | 120 dB                                                                                                                                                                                                                      |
| SNR                      | ≥ 52 dB                                                                                                                                                                                                                     |
| Image Settings           | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser                                                                                                 |
| Privacy Mask             | 4 programmable polygon privacy masks                                                                                                                                                                                        |
| <b>Interface</b>         |                                                                                                                                                                                                                             |
| On-Board Storage         | Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB                                                                                                                                           |
| Built-in Microphone      | Yes, 1 built-in microphone                                                                                                                                                                                                  |
| Built-in Speaker         | Yes, 1 built-in speaker, Max. power consumption: 2 W, max. sound pressure level: 10 cm: 97 dB.                                                                                                                              |
| Ethernet Interface       | 1 RJ45 10 M/100 M self-adaptive Ethernet port                                                                                                                                                                               |
| Audio                    | 1 input (line in), max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium<br>1 output (line out), max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium |
| Alarm                    | 1 input, 1 output (max. 12 VDC, 30 mA)                                                                                                                                                                                      |
| Reset Key                | Yes                                                                                                                                                                                                                         |
| <b>Event</b>             |                                                                                                                                                                                                                             |
| Smart Event              | Line crossing detection, intrusion detection (support alarm triggering by specified target types (human and vehicle))                                                                                                       |
| Basic Event              | Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception                                                                                                 |
| Linkage                  | Upload to FTP/memory card, notify surveillance center, send email, trigger recording, trigger capture, audible warning, strobe light flashing                                                                               |
| <b>General</b>           |                                                                                                                                                                                                                             |
| Power                    | 12 VDC ± 25%, 0.83 A, max. 10 W, Ø5.5 mm coaxial power plug, reverse polarity protection,<br>PoE: IEEE 802.3af, Class 3, max. 11.5 W                                                                                        |
| Material                 | Front cover: Metal, body: Metal, bracket: Metal                                                                                                                                                                             |
| Dimension                | 103.6 mm × 76 mm × 241.9 mm (4.1" × 3.0" × 9.52")                                                                                                                                                                           |
| Package Dimension        | 260 mm × 140 mm × 115 mm (10.2" × 5.5" × 4.5")                                                                                                                                                                              |
| With Package Weight      | Approx. 1260 g (2.8 lb.)                                                                                                                                                                                                    |
| Weight                   | Approx. 940 g (2.1 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                         | English, Turkish, Polish, Romanian, Czech, Slovak, Traditional Chinese, Thai, Vietnamese, Croatian, Slovenian, Serbian, Ukrainian |
| General Function                 | Heartbeat, anti-banding, password protection, password reset via email                                                            |
| Flashing Light                   | /SRB model: Red and Blue Light<br>/SL model: White Light                                                                          |
| <b>Approval</b>                  |                                                                                                                                   |
| Protection                       | IP67: IEC 60529-2013                                                                                                              |
| 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                                                  |

## ▪ Typical Application

Recommended Scenarios: The Dual-lens panoramic camera is ideal for large-scale application Scenarios, such as parks, parking lots, intersections, roads, stadiums, and plantations.

Recommended installation height of the camera: above 3 m (9.84 ft.).

Recommended physical distance between the object and camera lens: 8 to 12 m (26.24 ft. to 39.37 ft.).

Recommended vertical angle of the camera lens: 68° to 75° .

## ▪ Available Model

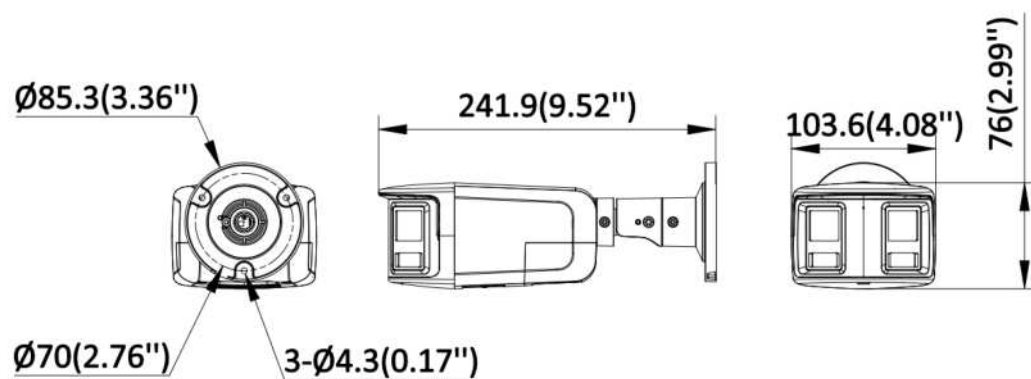
DS-2CD2T83G2P-LISU/SL(180° )

DS-2CD2T83G2P-LISU/SRB(180° )

DS-2CD2T83G2P-LISU/SL(180° )/BLACK

DS-2CD2T83G2P-LISU/SRB(180° )/BLACK

## ▪ Dimension



Unit: mm [inch]

▪ Accessory

▪ Optional

| DS-1275ZJ-SUS | DS-1280ZJ-XS | DS-1276ZJ-SUS |
|---------------|--------------|---------------|
|               |              |               |

▪ Installation Methods

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

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