

**DS-2CD2T87G3P-LIS2UY/SL(Black)**  
**8 MP Panoramic ColorVu Fixed Bullet Network Camera**

AcuSense 3.0



- 180° panoramic view
- 24/7 colorful imaging via ColorVu 3.0 technology
- HikAI-ISP for excellent noise reduction effect
- White light & IR light & Smart Hybrid Light modes
- Person and vehicle classification based on deep learning
- Active strobe light and audio alarm to warn trespassers off
- Crystal-clear audio with Arrayed Dual-Mic (-2U)
- Clear imaging against strong backlight due to 130 dB WDR technology
- Anti-corrosion design (NEMA 4X), more reliable
- Dust and water resistant (IP67)
- Audio and alarm interface available
- Eco-friendly and tamper-free packaging

## ▪ Specification

| Camera                      |                                                                                                                                                                            |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/2.5" Progressive Scan CMOS                                                                                                                                               |
| Max. Resolution             | 4256 × 1888                                                                                                                                                                |
| Min. Illumination           | Color: 0.0005 Lux @ (F1.0, 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, 2.8 mm                                                                                                                                                   |
| Focal Length & FOV          | 2.8 mm, horizontal FOV 182.6°, vertical FOV 74.6°                                                                                                                          |
| Lens Mount                  | M12                                                                                                                                                                        |
| Iris Type                   | Fixed                                                                                                                                                                      |
| Aperture                    | F1.0                                                                                                                                                                       |
| Depth of Field              | 2.8 mm: 1.6 m to ∞                                                                                                                                                         |
| DORI                        |                                                                                                                                                                            |
| DORI                        | 2.8 mm: D: 62 m, O: 24 m, R: 12 m, I: 6 m                                                                                                                                  |
| Illuminator                 |                                                                                                                                                                            |
| Supplement Light Type       | White Light, IR                                                                                                                                                            |
| Supplement Light Range      | Up to 40 m                                                                                                                                                                 |
| Smart Supplement Light      | Yes                                                                                                                                                                        |
| IR Wavelength               | 850 nm                                                                                                                                                                     |
| Video                       |                                                                                                                                                                            |
| Main Stream                 | 50 Hz: 20 fps (4256 × 1888, 4096 × 1856)<br>60 Hz: 20 fps (4256 × 1888, 4096 × 1856)                                                                                       |
| Sub-Stream                  | 50 Hz: 20 fps (1200 × 536, 960 × 432)<br>60 Hz: 20 fps (1200 × 536, 960 × 432)                                                                                             |
| Video Compression           | Main stream: H.265/H.264/H.264+/H.265+,<br>Sub-stream: H.265/H.264/MJPEG                                                                                                   |
| 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 regions for each stream                                                                                                                                            |
| Audio                       |                                                                                                                                                                            |
| Audio Type                  | -U: Mono sound                                                                                                                                                             |
| Audio Compression           | -U: G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC                                                                                                                               |
| Audio Bit Rate              | -U: 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         | -U: 8 kHz/16 kHz/32 kHz/48 kHz                                                                                                                                             |
| Environment Noise Filtering | -U: Yes                                                                                                                                                                    |
| Network                     |                                                                                                                                                                            |
| Protocols                   | SNMP, SSL/TLS, IPv6, IGMP, DNS, SFTP, Web Sockets, QoS, DDNS, SMTP, PPPoE, DHCP, Web Socket, FTP, NTP, HTTP, RTSP, IPv4, HTTPS, UPnP, RTP, TCP/IP, ICMP, 802.1X, RTCP, UDP |
| Simultaneous Live View      | Up to 6 channels                                                                                                                                                           |

|                               |                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| API                           | ONVIF (ProfileS, ProfileG, ProfileT),ISAPI,SDK,ISUP                                                                                                                                                                                                                                                                                                                                                      |
| User/Host                     | Up to 32 users<br>3 user levels: administrator, operator, and user                                                                                                                                                                                                                                                                                                                                       |
| Security                      | IP address filter, basic and digest authentication for HTTP/HTTPS, TLS 1.3, host authentication (MAC address), watermark, RTP/RTSP over HTTPS, complicated password, AES128/256, Password protection, WSSE and digest authentication for Open Network Video Interface, TLS 1.2, 802.1X authentication(EAP-LEAP,EAP-TLS,EAP-MD5,EAP-PEAP), control timeout settings, HTTPS encryption, security audit log |
| Network Storage               | NAS (NFS, SMB/CIFS)                                                                                                                                                                                                                                                                                                                                                                                      |
| Client                        | iVMS-4200,Hik-Connect,Hik-Central                                                                                                                                                                                                                                                                                                                                                                        |
| Web Browser                   | Plug-in free live view: Chrome 91+, Firefox 88+, Edge 91+, Safari 13+<br>Local service: Chrome 91+, Firefox 88+, Edge 91+                                                                                                                                                                                                                                                                                |
| <b>Image</b>                  |                                                                                                                                                                                                                                                                                                                                                                                                          |
| Image Parameters Switch       | Yes                                                                                                                                                                                                                                                                                                                                                                                                      |
| Image Settings                | 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                                                                                                                                                                                                                                                                                                                                                                                                   |
| Image Stabilization           | No                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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: 110 dB.                                                                                                                                                                                                                                                                                                                                   |
| Audio                         | Built-in Microphone: -2U: 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,<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)                                                                                                                                                                                                                                                                                                                                                              |
| Reset Key                     | Yes                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Event</b>                  |                                                                                                                                                                                                                                                                                                                                                                                                          |
| Basic Event                   | Motion detection (support alarm triggering by specified target types (human and vehicle)),video tampering alarm,exception,alarm input and output                                                                                                                                                                                                                                                         |
| Smart Event                   | Scene change detection                                                                                                                                                                                                                                                                                                                                                                                   |
| Linkage                       | notify surveillance center,trigger alarm output,trigger recording,trigger capture,audible warning,send email                                                                                                                                                                                                                                                                                             |
| <b>Deep Learning Function</b> |                                                                                                                                                                                                                                                                                                                                                                                                          |
| Face Capture                  | No                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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%, 1.67 A, max. 20 W, $\varnothing$ 5.5 mm coaxial power plug, reverse polarity protection,<br>PoE: IEEE 802.3at, Class 4, max. 24 W                                                                                                                                                                                                   |
| Material                         | Front cover: Metal, body: Metal, bracket: Metal                                                                                                                                                                                                                                                                                                       |
| Dimension                        | 118.6 mm $\times$ 78 mm $\times$ 306.5 mm (4.67" $\times$ 3.07" $\times$ 12.07")                                                                                                                                                                                                                                                                      |
| Package Dimension                | 405 mm $\times$ 190 mm $\times$ 180 mm (15.94" $\times$ 7.48" $\times$ 7.09")                                                                                                                                                                                                                                                                         |
| Weight                           | Approx. 1440 g (3.17 lb.)                                                                                                                                                                                                                                                                                                                             |
| With Package Weight              | Approx. 2100 g (4.63 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, 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                                                                                                                                                                                                                                                                                              |
| 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,<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)                                                                                                                                                                                                                                                                                                                               |

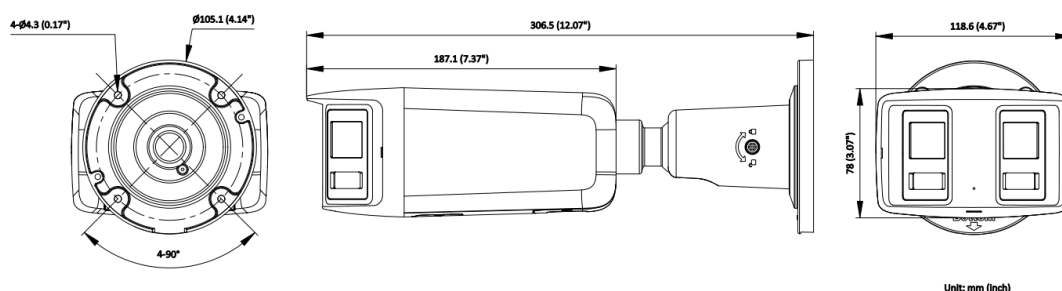
## ▪ Typical Application

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.                                                                                                                                  |

## Dimension

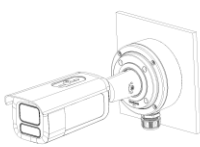
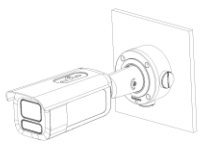
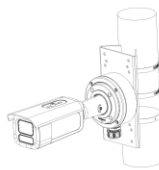
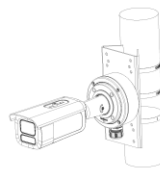
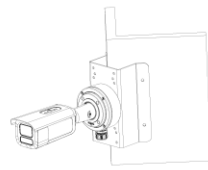


## Accessory

### Optional

| DS-1280ZJ-S-Y(Black)                                                                | DS-1275ZJ-SUS(Black)                                                                | DS-1276ZJ-SUS(Black)                                                                | DS-1275ZJ-S-SUS(Black)                                                               | DS-1260ZJ-Y(Black)                                                                    |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |

## Installation Methods

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

# See Far, Go Further



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