

**DS-2CD2747G3-LIPTRZS2UY/SL****4 MP Smart Hybrid Light with ColorVu Motorized PTRZ Varifocal Dome Network Camera****ColorVu 3.0****AcuSense 3.0**

- Motorized Pan, Tilt, Rotate, Zoom for easy installation and monitoring
- 24/7 colorful imaging via ColorVu technology
- HikAI-ISP for excellent noise reduction effect
- Active strobe light and audio alarm (/SL: white light, /SRB: red & blue light)
- Crystal-clear audio with Built-in Arrayed Dual-Mic (-2U), and Smart PA Speaker
- Person and vehicle classification based on deep learning
- IR light & white light & Smart Hybrid Light modes
- Anti-corrosion design (NEMA 4X), more reliable
- Water and dust resistant (IP67) and vandal resistant (IK10)
- Clear imaging against strong back light due to 130 dB true WDR technology
- Tamper-free & eco-friendly packaging

## ▪ Specification

| Camera                 |                                                                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor           | 1/1.8" Progressive Scan CMOS                                                                                                                                                               |
| Max. Resolution        | 2688 × 1520                                                                                                                                                                                |
| Min. Illumination      | Color: 0.0005 Lux @ (F1.2, AGC ON), 0 Lux with light                                                                                                                                       |
| Shutter Time           | 1 s to 1/100,000 s                                                                                                                                                                         |
| Day & Night            | IR cut filter                                                                                                                                                                              |
| Angle Adjustment       | Remote adjustment (Max. 1,000 cycles)<br>Pan: 0° to 350°, tilt: 0° to 85°, rotate: 0° to 350°                                                                                              |
| Lens                   |                                                                                                                                                                                            |
| Lens Type              | Varifocal lens, motorized lens, 2.8 to 12 mm                                                                                                                                               |
| Focal Length & FOV     | horizontal FOV 114.6° to 41.8°, vertical FOV 59.3° to 23.6°, diagonal FOV 141.3° to 48.1°                                                                                                  |
| Lens Mount             | Integrated                                                                                                                                                                                 |
| Iris Type              | Fixed                                                                                                                                                                                      |
| Aperture               | F1.2                                                                                                                                                                                       |
| Depth of Field         | 1 m to ∞                                                                                                                                                                                   |
| DORI                   |                                                                                                                                                                                            |
| DORI                   | Wide: D: 61.5 m, O: 24.4 m, R: 12.3 m, I: 6.2 m<br>Tele: D: 151.7 m, O: 60.2 m, R: 30.3 m, I: 15.2 m                                                                                       |
| Illuminator            |                                                                                                                                                                                            |
| Supplement Light Type  | IR, White Light                                                                                                                                                                            |
| Supplement Light Range | Up to 40 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:<br>25 fps (1280 × 720, 640 × 480, 640 × 360)<br>60 Hz:<br>30 fps (1280 × 720, 640 × 480, 640 × 360)                                                                                 |
| Third Stream           | 50 Hz:<br>10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)<br>60 Hz:<br>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                                                                                                                                                                               |

|                             |                                                                                                                                                                                                                                                                                                                                                                                       |
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| 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 and sub-stream                                                                                                                                                                                                                                                                                                                                         |
| <b>Audio</b>                |                                                                                                                                                                                                                                                                                                                                                                                       |
| 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 (ProfileS, ProfileG, ProfileT),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)                                                                                                                                                                                                                                                                                                                                                                   |
| 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              | 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                                                                                                                                                                                                                                                                                                                                                                        |
| 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            | 1 built-in speaker, Max. power consumption: 2 W, max. sound pressure level: 10 cm: 97 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)                                                                                                                                                                                                                                                                                                                                           |

|                                  |                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                          | notify surveillance center, send email, trigger alarm output, trigger recording, trigger capture, 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 $\pm$ 25%, 1.3 A, max. 15.6 W, 2-core terminal block, reverse polarity protection, PoE: IEEE 802.3at, Class 4, max. 18 W                                                                                                                                                                                                                       |
| Material                         | Metal                                                                                                                                                                                                                                                                                                                                                 |
| Dimension                        | $\varnothing 155$ mm $\times$ 140.4 mm ( $\varnothing 6.10$ " $\times$ 5.53")                                                                                                                                                                                                                                                                         |
| Package Dimension                | 203 mm $\times$ 203 mm $\times$ 230 mm (7.99" $\times$ 7.99" $\times$ 9.06")                                                                                                                                                                                                                                                                          |
| Weight                           | Approx. 1230 g (2.71 lb.)                                                                                                                                                                                                                                                                                                                             |
| With Package Weight              | Approx. 2040 g (4.50 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, password reset via email, pixel counter, anti-banding, flash log                                                                                                                                                                                                                                                                   |
| 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, EN 61000-3-2: 2019, EN 61000-3-3: 2013+A1: 2019, EN 50130-4: 2011+A1: 2014                                                                                                                                                                                                                                                    |
| 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, IK10: IEC 62262: 2002                                                                                                                                                                                                                                                                                                           |
| Anti-Corrosion Protection        | NEMA 4X (NEMA 250-2018)                                                                                                                                                                                                                                                                                                                               |

## ▪ Typical Application

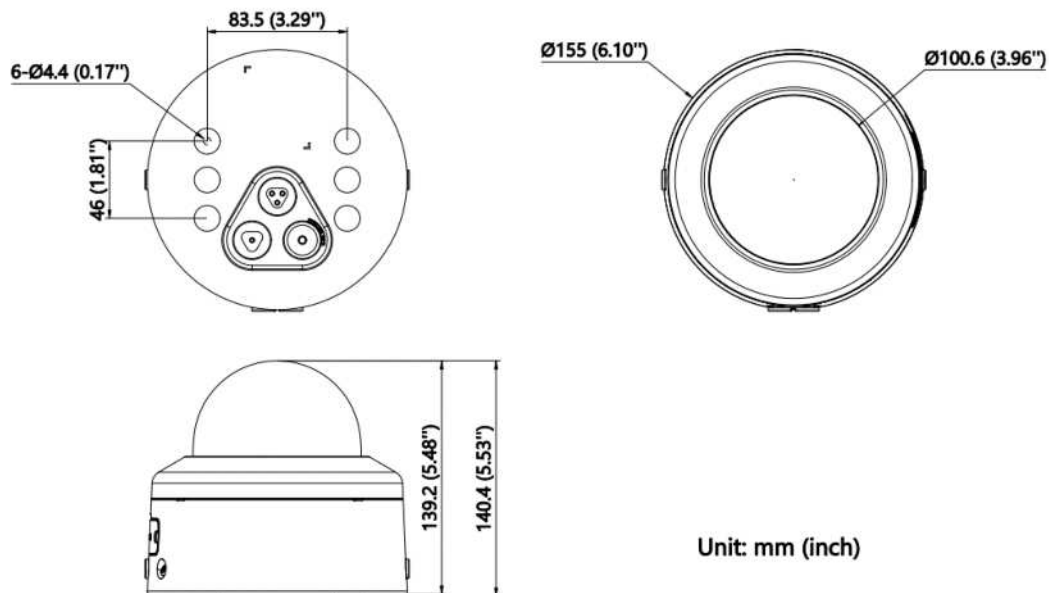
Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

| Level                | Description                                              |
|----------------------|----------------------------------------------------------|
| Top-level protection | Hikvision products at this level are equipped for use in |

|                        |                                                                                                                                                                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        | areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.                                                                                                      |
| Moderate protection    | Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain. |
| No specific protection | Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.                                                                                                                                  |

## ▪ Dimension



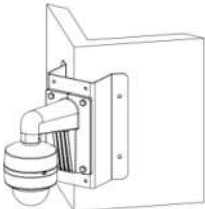
## ▪ Accessory

### ▪ Optional

| DS-1471ZJ-155-Y                                                                     | DS-1476ZJ-SUS                                                                       | DS-1475ZJ-SUS                                                                       | DS-4220ZJ-WC                                                                         | DS-1473ZJ-155-Y                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |
| <b>DS-1250ZJ</b>                                                                    |                                                                                     |                                                                                     |                                                                                      |                                                                                       |



## ■ Installation Methods

| Pendant Mounting<br>DS-1471ZJ-155-Y                                                 | Corner Mounting<br>DS-1476ZJ-SUS+DS-14<br>73ZJ-155-Y_V100R00<br>1C001             | Vertical Pole<br>Mounting<br>DS-1475ZJ-SUS+DS-14<br>73ZJ-155-Y_V100R00<br>1C001   | In-Ceiling Mounting<br>DS-4220ZJ-WC                                                | Wall Mounting<br>DS-1473ZJ-155-Y                                                    |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|    |  |  |  |  |
| Wall Mounting<br>DS-1250ZJ                                                          |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
|  |                                                                                   |                                                                                   |                                                                                    |                                                                                     |

# See Far, Go Further



[www.hikvision.com](http://www.hikvision.com)  
[support@hikvision.com](mailto:support@hikvision.com)

