

**DS-2CD2647G3-LIZS2UY/S(L)(RB)****4 MP Smart Hybrid Light Varifocal Bullet Network Camera****ColorVu 3.0**

- HiAI-ISP for excellent noise reduction effect
- 24/7 colorful imaging via ColorVu technology
- Scene-adaptive WDR
- Focus on Person and Vehicle classification based on deep learning
- Built-in arrayed dual-microphone for real-time high quality audio security
- Provide real-time security via built-in two-way audio
- Anti-corrosion design, providing reliability and longevity compared to standard (NEMA4X)
- Smart Hybrid Light: Integrates IR and White lights, 3 supplemental lighting modes
- Water and dust resistant (IP67) and vandal resistant (IK10)
- Active strobe light and audio alarm to warn intruders off

## ▪ 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            | Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°                                                                                                                                 |
| Lens                        |                                                                                                                                                                                      |
| Lens Type                   | Varifocal lens, motorized lens, 2.8 to 12 mm                                                                                                                                         |
| Focal Length & FOV          | 2.8 to 12 mm, 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: 15.1 m                                                                                 |
| Illuminator                 |                                                                                                                                                                                      |
| Supplement Light Type       | White Light, IR                                                                                                                                                                      |
| Supplement Light Range      | Up to 60 m                                                                                                                                                                           |
| Smart Supplement Light      | Yes                                                                                                                                                                                  |
| IR Wavelength               | 850 nm                                                                                                                                                                               |
| Video                       |                                                                                                                                                                                      |
| Main Stream                 | 50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)<br>60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)                                                                         |
| Sub-Stream                  | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)                                                                                 |
| Third Stream                | 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)<br>*Third stream is supported under certain settings. |
| Video Compression           | Main stream: H.265/H.264/H.264+/H.265+,<br>Sub-stream: H.265/H.264/MJPEG,<br>Third stream: H.265/H.264,<br>*Third stream is supported under certain settings.                        |
| Video Bit Rate              | 32 Kbps to 8 Mbps                                                                                                                                                                    |
| H.264 Type                  | Baseline Profile, Main Profile, High Profile                                                                                                                                         |
| H.265 Type                  | Main Profile                                                                                                                                                                         |
| 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 Compression           | G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC                                                                                                                                             |
| Audio Type                  | Mono sound                                                                                                                                                                           |

|                             |                                                                                                                                                                                                                                                                                                                                                                                       |
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| 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, ProfileT, ProfileG), 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                                                                                                                                                                                                                                                                                                                                                                                |
| Image Stabilization         | EIS                                                                                                                                                                                                                                                                                                                                                                                   |
| 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: 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                       | 2 input, 2 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 recording, trigger capture, send email, audible warning, trigger alarm output, 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%, 1.21 A, max. 14.5 W, Two-core terminal block, reverse polarity protection,<br>PoE: IEEE 802.3at, Class 4, max. 18 W                                                                                                                                                                                                                 |
| Material                         | Front cover: Metal, body: Metal, bracket: Metal                                                                                                                                                                                                                                                                                                       |
| Dimension                        | DS-2CD2647G3-LIZS2UY/S(L)(RB): $\varnothing$ 140 mm $\times$ 333.8 mm ( $\varnothing$ 5.51" $\times$ 13.14")<br>$\varnothing$ 140 mm $\times$ 333.8 mm ( $\varnothing$ 5.51" $\times$ 13.14")                                                                                                                                                         |
| Package Dimension                | 386 mm $\times$ 190 mm $\times$ 180 mm (15.2" $\times$ 7.5" $\times$ 7.1")                                                                                                                                                                                                                                                                            |
| Weight                           | Approx. 1555 g (3.4 lb.)                                                                                                                                                                                                                                                                                                                              |
| With Package Weight              | Approx. 2326 g (5.1 lb.)                                                                                                                                                                                                                                                                                                                              |
| Storage Conditions               | -30 $^{\circ}$ C to 60 $^{\circ}$ C (-22 $^{\circ}$ F to 140 $^{\circ}$ F). Humidity 95% or less (non-condensing)                                                                                                                                                                                                                                     |
| Startup and Operating Conditions | -30 $^{\circ}$ C to 60 $^{\circ}$ C (-22 $^{\circ}$ F to 140 $^{\circ}$ F). Humidity 95% or less (non-condensing)                                                                                                                                                                                                                                     |
| 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                           | UL: UL 62368-1,<br>CB: IEC 62368-1:2014+A11,<br>CE-LVD: EN 62368-1:2014/A11:2017                                                                                                                                                                                                                                                                      |
| Environment                      | CE-RoHS: 2011/65/EU                                                                                                                                                                                                                                                                                                                                   |
| 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 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

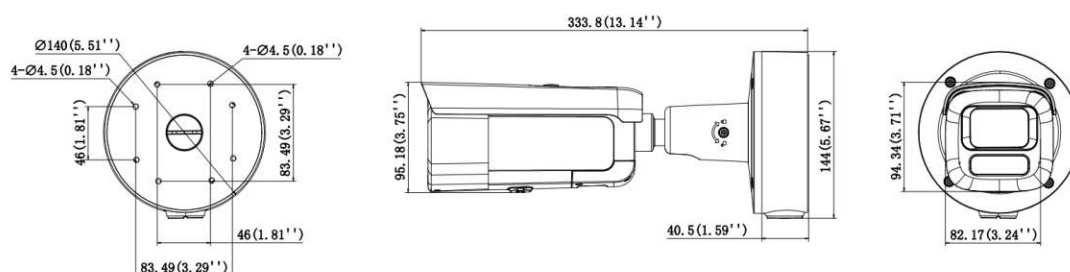
DS-2CD2647G3-LIZS2UY/SL(2.8-12mm)

DS-2CD2647G3-LIZS2UY/SL(2.8-12mm)(Black)

DS-2CD2647G3-LIZS2UY/SRB(2.8-12mm)

DS-2CD2647G3-LIZS2UY/SRB(2.8-12)(Black)

## ▪ Dimension



Unit: mm(inch)

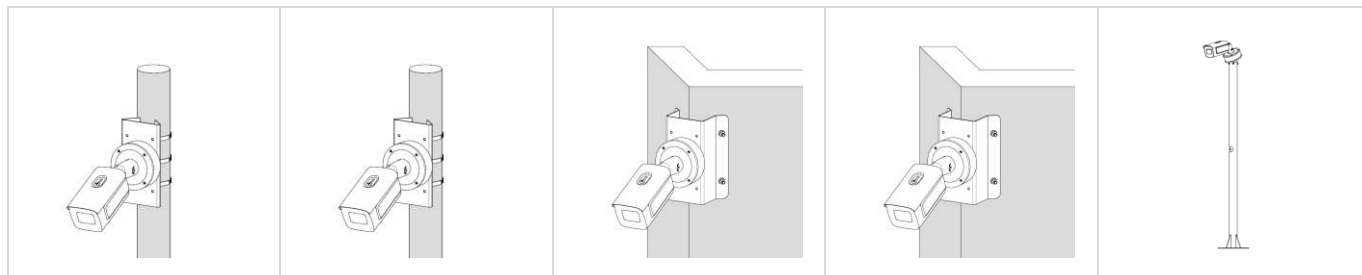
## ▪ Accessory

### ▪ Optional

| DS-1475ZJ-SUS | DS-1476ZJ-SUS | DS-1475ZJ-Y | DS-1476ZJ-Y | DS-2251ZJ |
|---------------|---------------|-------------|-------------|-----------|
|               |               |             |             |           |

## ▪ Installation Methods

| Vertical Pole Mounting<br>DS-1475ZJ-SUS | Vertical Pole Mounting<br>DS-1475ZJ-Y | Corner Mounting<br>DS-1476ZJ-SUS | Corner Mounting<br>DS-1476ZJ-Y | Others<br>DS-2251ZJ |
|-----------------------------------------|---------------------------------------|----------------------------------|--------------------------------|---------------------|
|-----------------------------------------|---------------------------------------|----------------------------------|--------------------------------|---------------------|



# See Far, Go Further



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