

# DS-2CD2647G3-LIZSY 4 MP Smart Hybrid Light Varifocal Bullet Network Camera

















- HikAI-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
- Motorized varifocal lens for easy installation and monitoring
- 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)



## Specification

| Image Sensor         1/18* Progressive Scan CMOS           Max. Resolution         2688 x 1520           Min. Illumination         Color: 0,0005 Lux @ (Ft.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 355°, tilt:0° to 90°, rotate: 0° to 360°           Lens         Lens           Lens Type         Varifocal lens, motorized lens, 2.8 to 12 mm           Focal Length & FOV         141.3° to 48.1°           Lens Mount         Integrated           Iris Type         Fixed           Aperture         F1.2           Depth of Field         1 m to ∞           DORI           Wide: D: 61.5 m, O: 24.4 m, R: 12.3 m, I: 6.2 m           Tale: D: 151.7 m, O: 60.2 m, R: 30.3 m, I: 15.1 m           Illuminator           Supplement Light Range           Wilte Light, IR           Supplement Light Range           Wilte Light, IR           Supplement Light Range         50 to 50           Smart Supplement Light Range         50 to 50           Sing (2688 x 1520, 1920 x 1080, 1280 x 720)           Wilter Li  | Camera   |   |  |                 |  |  |
|--|--|---|--|-----------------|--|--|
| Min. Illumination         Color: 0.0005 Lux @ (F1 2, AGC ON), 0 Lux with light           Shutter Time         1 sto 1/100,000 s           Day & Night         IR cut filter           Angle Adjustment         Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°           Lens Type         Varifocal lens, motorized lens, 2.8 to 12 mm           Focal Length & FOV         2.8 to 12 mm, horizontal FOV114.6° to 41.8°, vertical FOV 59.3° to 23.6°, diagonal FOV 141.3° to 48.1°           Lens Mount         Integrated           Iris Type         Fixed           Aperture         Fixed           Aperture         Fixed           Aperture         Fixed           DORI         "Mide: D: 61.5 m, O: 24.4 m, R: 12.3 m, I: 6.2 m           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         Yes           Main Stream         50 Hz: 25 fps (2688 x 1520, 1920 x 1080, 1280 x 720)           Sub-Stream         50 Hz: 30 fps (2688 x 1520, 1920 x 1080, 1280 x 720)           Sub-Stream         50 Hz: 10 fps (1920 x 1080, 1280 x 720, 640 x 480, 640 x 360)           Wideo Compression         60 Hz: 30 fps (               | Image Sensor   | 1/1.8" Progressive Scan CMOS  |  |                 |  |  |
| Shutter Time         1 s to 1/100,000 s           Day & Night         IR cut filter           Angle Adjustment         Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°           Lens         Verifocal lens, motorized lens, 2.8 to 12 mm           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           DoR         Depth of Field           DoRI         1 m to ∞           DORI           Wide: D: 61.5 m, O: 24.4 m, R: 12.3 m, I: 6.2 m           Tele: D: 151.7 m, O: 60.2 m, R: 30.3 m, I: 15.1 m           Buth Integrated           Wide: D: 61.5 m, O: 24.4 m, R: 12.3 m, I: 6.2 m           Tele: D: 151.7 m, O: 60.2 m, R: 30.3 m, I: 15.1 m           Buth Integrated           Wide: D: 61.5 m, O: 24.4 m, R: 12.3 m, I: 6.2 m           Tele: D: 151.7 m, O: 60.2 m, R: 30.3 m, I: 15.1 m           Wide: D: 61.5 m, O: 24.4 m, R: 12.3 m, I: 6.2 m           Wide: D: 61.5 m, O: 24.4 m, R: 12.3 m, I: 6.2 m           Wide: D: 61.5 m, O: 24.4 m, R:   | Max. Resolution  | 2688 × 1520   |  |                 |  |  |
| Day & Night         IR cut filter           Angle Adjustment         Pan: 0" to 355", tilt:0" to 90", rotate: 0" to 360"           Lens         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           Wide: D: 61.5 m, O: 24.4 m, R: 12.3 m, I: 6.2 m           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           Sub-Stream         50 Hz: 25 fps (2688 x 1520, 1920 x 1080, 1280 x 720)           60 Hz: 30 fps (2688 x 1520, 1920 x 1080, 1280 x 720)           60 Hz: 20 fps (1280 x 720, 640 x 480, 640 x 360)           60 Hz: 10 fps (1920 x 1080, 1280 x 720, 640 x 480, 640 x 360)           60 Hz: 10 fps (1920 x 1080, 1280 x 720, 640 x 480, 640 x 360) <td co<="" td=""><td>Min. Illumination</td><td colspan="4">Color: 0.0005 Lux @ (F1.2, AGC ON), 0 Lux with light</td></td> | <td>Min. Illumination</td> <td colspan="4">Color: 0.0005 Lux @ (F1.2, AGC ON), 0 Lux with light</td> | Min. Illumination   | Color: 0.0005 Lux @ (F1.2, AGC ON), 0 Lux with light |                 |  |  |
| Angle Adjustment         Pan: 0° to 355°, tili: 0° to 90°, rotate: 0° to 360°           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           Wide: D: 61.5 m, O: 24.4 m, R: 12.3 m, I: 6.2 m           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           Supplement Light Range         Up to 60 m           R Wavelength         Yes           IR Wavelength         Yes           Sub Stream         50 Hz: 25 fps (2688 x 1520, 1920 x 1080, 1280 x 720)           Sub-Stream         50 Hz: 25 fps (2688 x 1520, 1920 x 1080, 1280 x 720)           Sub-Stream         60 Hz: 30 fps (1280 x 720, 640 x 480, 640 x 360)           60 Hz: 30 fps (1280 x 720, 640 x 480, 640 x 360)           60 Hz: 10 fps (1920 x 1080, 1280 x 720, 640 x 480, 640 x 360)           60 Hz: 10 fps (1920 x 1080, 1280 x 720, 640 x 480, 640  | Shutter Time   | 1 s to 1/100,000 s  |  |                 |  |  |
| 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           Dopth of Field         1 m to ∞           DORI           Wide: D: 61.5 m, O: 24.4 m, R: 12.3 m, I: 6.2 m Tele: D: 151.7 m, O: 60.2 m, R: 30.3 m, I: 15.1 m           Bluminator           Wide: D: 61.5 m, O: 24.4 m, R: 12.3 m, I: 6.2 m Tele: D: 151.7 m, O: 60.2 m, R: 30.3 m, I: 15.1 m           Bluminator           Supplement Light Range         White Light, IR           Supplement Light Range         Up to 60 m           Smart Supplement Light         Yes           IR Wavelength         50 Hz: 25 fps (2688 x 1520, 1920 x 1080, 1280 x 720)           OHz: 25 fps (2688 x 1520, 1920 x 1080, 1280 x 720)           OHz: 25 fps (2688 x 1520, 1920 x 1080, 1280 x 720)           OHz: 25 fps (2688 x 1520, 1920 x 1080, 1280 x 720)           OHz: 25 fps (1280 x 720, 640 x 480, 640 x 360)           OHz: 25 fps (1280 x 720, 640 x 480, 640 x 360)           OHz: 26 fps (1920 x 1080, 1280 x 720, 640 x 480, 640 x 360)  | Day & Night  | IR cut filter   |  |                 |  |  |
| 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 ∞           DOR!           Wide: D: 61.5 m, 0: 24.4 m, R: 12.3 m, I: 6.2 m           Tele: D: 151.7 m, 0: 60.2 m, R: 30.3 m, I: 15.1 m           Bluminator           Supplement Light Type         White Light, IR           Supplement Light Range         Up to 60 m           Smart Supplement Light Range         4 by to 60 m           IR Wavelength         850 m           Video           Wissers           Main Stream         50 Hz: 25 fps (2688 * 1520, 1920 × 1080, 1280 * 720)           60 Hz: 30 fps (2688 * 1520, 1920 × 1080, 1280 * 720)         50 Hz: 25 fps (1280 * 720, 640 × 480, 640 × 360)           Third Stream         50 Hz: 25 fps (1280 * 720, 640 × 480, 640 × 360)           Third Stream         50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)           Third Stream is L265/H.264/H.264/H.264/H.265+,           Video Compression   | Angle Adjustment   | Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°                                    |  |                 |  |  |
| Pocal Length & FOV   | Lens   |   |  |                 |  |  |
| Focal Length & FOV         141.3* to 48.1*           Lens Mount         Integrated           Iris Type         Fixed           Aperture         F1.2           Depth of Field         1m to ∞           DORI           Wide: D: 61.5 m, O: 24.4 m, R: 12.3 m, I: 6.2 m           Tele: D: 151.7 m, O: 60.2 m, R: 30.3 m, I: 15.1 m           Billuminator           Supplement Light Type           White Light, IR           Supplement Light Range         Up to 60 m           Smart Supplement Light         Yes           IR Wavelength         850 nm           Video           Sol Hz: 25 fps (2688 x 1520, 1920 x 1080, 1280 x 720)           Sol Hz: 25 fps (1280 x 720, 640 x 480, 640 x 360)           60 Hz: 25 fps (1280 x 720, 640 x 480, 640 x 360)           50 Hz: 25 fps (1280 x 720, 640 x 480, 640 x 360)           50 Hz: 25 fps (1290 x 1080, 1280 x 720, 640 x 480, 640 x 360)           Third Stream           Main stream: H.265/H.264/H.265+,           Sub-stream: H.265/H.264/H.264+/H.265+,           Sub-stream: H.265/H.264/H.264+/H.265+,           Sub-stream: H.265/H.264/H.264+/H.265+,           Sub   | Lens Type  | Varifocal lens, motorized lens, 2.8 to 12 mm  |  |                 |  |  |
| Lens Mount         Integrated           Iris Type         Fixed           Aperture         F1.2           Depth of Field         1 m to ∞           DORI           Wide: D: 61.5 m, O: 24.4 m, R: 12.3 m, I: 6.2 m           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         50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)           Main Stream         50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)           60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)           50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)           60 Hz: 30 fps (1290 × 1080, 1280 × 720, 640 × 480, 640 × 360)           7 hird Stream         60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)           8 bu-stream: H.265/H.264/H.264+/H.265+,           8 cub-stream: H.265/H.264/H.264+/H.265+,           8 cub-stream: H.265/H.264/H.264+/H.265+,           8 cub-stream: H.265/H.264/H.264+/H.265+,           8 cub-stream: H.265/H.264/H.265+,           8 cub-stream: H.265/H.264/H.265+,           8 cub-stream: H.265/H.264/H.264+/H.265+,           8  | Facel Laureth & FOV  | 2.8 to 12 mm, horizontal FOV 114.6° to 41.8°, vertical FOV 59.3° to 23.6°, diagonal FOV |  |                 |  |  |
| Iris Type         Fixed           Aperture         F1.2           Depth of Field         1 m to ∞           DORI           Wide: D: 61.5 m, O: 24.4 m, R: 12.3 m, I: 6.2 m 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         \$50 nm           Video           Video           Video           Video           Sub-Stream         50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)           60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)           60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)           60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)           60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)           60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)           7 bd: 20 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)           7 bd: 20 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)           7 bd: 20 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) <th <="" colspan="2" td=""><td>Focal Length &amp; FOV</td><td>141.3° to 48.1°</td></th>  | <td>Focal Length &amp; FOV</td> <td>141.3° to 48.1°</td>   |   | Focal Length & FOV                                   | 141.3° to 48.1° |  |  |
| Aperture         F1.2           Dopth of Field         1 m to ∞           DORI           Wide: D: 61.5 m, O: 24.4 m, R: 12.3 m, I: 6.2 m           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           Video           Sub-Stream         50 Hz: 25 fps (2688 x 1520, 1920 x 1080, 1280 x 720)           Sub-Stream         50 Hz: 25 fps (1280 x 720, 640 x 480, 640 x 360)           Sub-Stream         50 Hz: 10 fps (1920 x 1080, 1280 x 720, 640 x 480, 640 x 360)           Sub-Stream         August (1900 x 1080, 1280 x 720, 640 x 480, 640 x 360)           Third Stream is supported under certain settings.           Wideo Compression         Main stream: H.265/H.264/H.264/H.265+,           Wulse Tream: H.265/H.264/MJPEG, Third stream is supported under certain settings.           Video Compression         Main stream: H.265/H.264/H.264/H.264/H.264/H.265+,           Wulse Tream: H.265/H.264/MJPEG, Third st   | Lens Mount   | Integrated  |  |                 |  |  |
| Depth of Field         1 m to ∞           DORI           Wide: D: 61.5 m, O: 24.4 m, R: 12.3 m, I: 6.2 m 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)           60 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)           60 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)           60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)           60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)           7 briz (1280 × 720, 640 × 480, 640 × 360)           8 briz (10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)           7 briz (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)           8 briz (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)           8 briz (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)           8 briz (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)           8 briz (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) <th c<="" td=""><td>Iris Type</td><td>Fixed</td></th>   | <td>Iris Type</td> <td>Fixed</td>  | Iris Type   | Fixed  |                 |  |  |
| DORI         Wide: D: 61.5 m, O: 24.4 m, R: 12.3 m, I: 62.2 m           Illuminator           Supplement Light Type         White Light, IR           Supplement Light Range         Up to 60 m           Supplement Light Range         Up to 60 m           Wideo           Video           Video           So Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)           60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)           Sub-Stream         50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)           60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)           60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)           Third Stream         Sub-stream: H.265/H.264/H.280 × 720, 640 × 480, 640 × 360)           Third Stream is supported under certain settings.           Wideo Compression         Main stream: H.265/H.264/H.264+/H.265+,           Sub-stream: H.265/H.264/MJPEG,           Third stream is supported under certain settings.           Video Bit Rate         32 Kpps to 8 Mbps           H.265/H.264/MJPEG,           Third stream is supported under certain  | Aperture   | F1.2  |  |                 |  |  |
| DORI   | Depth of Field   | 1 m to ∞  |  |                 |  |  |
| Tele: D: 151.7 m, O: 60.2 m, R: 30.3 m, I: 15.1 m     Illuminator  | DORI   |   |  |                 |  |  |
| Tele: D: 151.7 m, O: 60.2 m, R: 30.3 m, I: 15.1 m   Illuminator  | 200  | Wide: D: 61.5 m, O: 24.4 m, R: 12.3 m, I: 6.2 m   |  |                 |  |  |
| Supplement Light Type         White Light, IR           Supplement Light Range         Up to 60 m           Smart Supplement Light         Yes           IR Wavelength         850 nm           Video           Wain Stream         50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)           60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)         60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)           Sub-Stream         50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)           60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)           60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)           **Third Stream           Main stream: H.265/H.264/H.264+H.265+,           Sub-stream: H.265/H.264/H.264+H.265+,           Sub-stream: H.265/H.264/H.264+H.265+,           Third stream is supported under certain settings.           Video Bit Rate         32 Kbps to 8 Mbps           H.265 Hz.264/Hz.264+Hz.265+Hz.264           **Third stream is supported under certain settings.           Video Bit Rate         32 Kbps to 8 Mbps           H.265 Hz.264, Phz.264           **Third stream is supported under certain settings.           Video Right </td <td>DORI</td> <td>Tele: D: 151.7 m, O: 60.2 m, R: 30.3 m, I: 15.1 m</td>   | DORI   | Tele: D: 151.7 m, O: 60.2 m, R: 30.3 m, I: 15.1 m                                       |  |                 |  |  |
| Supplement Light RangeUp to 60 mSmart Supplement LightYesIR Wavelength850 nmVideoMain Stream50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)<br>60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)Sub-Stream50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)Third Stream50 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.Wideo CompressionMain stream: H.265/H.264/H.264+/H.265+,<br>Sub-stream: H.265/H.264/MJPEG,<br>Third stream is supported under certain settings.Video Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBRScalable Video Coding (SVC)H.264 and H.265 encodingRegion of Interest (ROI)1 fixed region for main streamAudioAudio TypeMono sound   | Illuminator  |   |  |                 |  |  |
| Smart Supplement Light         Yes           IR Wavelength         850 nm           Video         Video           Main Stream         50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)           Sub-Stream         50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)           Sub-Stream         50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)           60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)           60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)           *Third Stream         60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)           *Third stream is supported under certain settings.           Video Compression         Main stream: H.265/H.264/H.264+/H.265+,           Sub-stream: H.265/H.264/MJPEG,         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  | Supplement Light Type  | White Light, IR   |  |                 |  |  |
| R Wavelength   | Supplement Light Range   | Up to 60 m  |  |                 |  |  |
| Video           Main Stream         50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)           60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)           Sub-Stream         50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)           60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)           50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)           60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)           *Third stream is supported under certain settings.           Wideo Compression         Main stream: H.265/H.264/H.264+/H.265+,           Sub-stream: H.265/H.264/MJPEG,           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 Type         Mono sound   | Smart Supplement Light   |   |  |                 |  |  |
| Main Stream       50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)         Sub-Stream       50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)         60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)       60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)         Third Stream       50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)         60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)         *Third stream is supported under certain settings.         Wideo Compression       Main stream: H.265/H.264/H.265+,         Sub-stream: H.265/H.264/H.264+/H.265+,         Sub-stream: H.265/H.264,         *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       Mono sound  | IR Wavelength  |   |  |                 |  |  |
| Main Stream       60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)         Sub-Stream       50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)         60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)       60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)         Third Stream       60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)         *Third stream is supported under certain settings.         Wideo Compression       Main stream: H.265/H.264/H.264+/H.265+,         Sub-stream: H.265/H.264/MJPEG,       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 Type       Mono sound   | Video  |   |  |                 |  |  |
| Sub-Stream       60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)         Sub-Stream       50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)         60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)       50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)         Third Stream       60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)         *Third stream is supported under certain settings.         Video Compression       Main stream: H.265/H.264/H.264+/H.265+,         Sub-stream: H.265/H.264/MJPEG,       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 Type         Mono sound  |  | 50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)                                    |  |                 |  |  |
| Sub-Stream  60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)  Third Stream  50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)  60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)  *Third stream is supported under certain settings.  Main stream: H.265/H.264/H.265+,  Sub-stream: H.265/H.264/MJPEG,  Third stream is supported under certain settings.  Video Bit Rate  32 Kbps to 8 Mbps  H.264 Type  Baseline Profile, Main 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 Type  Mono sound  | Main Stream  | 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)                                    |  |                 |  |  |
| 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)  Third Stream  50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)  60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)  *Third stream is supported under certain settings.  Main stream: H.265/H.264/H.264+/H.265+,  Sub-stream: H.265/H.264/MJPEG,  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)  Region of Interest (ROI)  1 fixed region for main stream  Audio  Audio Type  Mono sound  |  | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)  |  |                 |  |  |
| Third Stream  60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)  *Third stream is supported under certain settings.  Main stream: H.265/H.264/H.265+, Sub-stream: H.265/H.264/MJPEG, 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 Type  Mono sound  | Sub-Stream   | 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)  |  |                 |  |  |
| *Third stream is supported under certain settings.  Main stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264,  |  | 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)                           |  |                 |  |  |
| Main stream: H.265/H.264/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, *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 Type Mono sound  | Third Stream   | 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)                           |  |                 |  |  |
| Video CompressionSub-stream: H.265/H.264/MJPEG,<br>Third stream: H.265/H.264,<br>*Third stream is supported under certain settings.Video Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBRScalable Video Coding (SVC)H.264 and H.265 encodingRegion of Interest (ROI)1 fixed region for main streamAudioAudio TypeMono sound   |  | *Third stream is supported under certain settings.                                      |  |                 |  |  |
| Third stream: H.265/H.264,  *Third stream is supported under certain settings.  Video Bit Rate  32 Kbps to 8 Mbps  H.264 Type  Baseline Profile, Main 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 Type  Mono sound  |  | Main stream: H.265/H.264/H.264+/H.265+,   |  |                 |  |  |
| Third stream: H.265/H.264,  *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 Type Mono sound   | Video Communesian  | Sub-stream: H.265/H.264/MJPEG,  |  |                 |  |  |
| Video Bit Rate  32 Kbps to 8 Mbps  H.264 Type  Baseline Profile, Main 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 Type  Mono sound  | video Compression  | Third stream: H.265/H.264,  |  |                 |  |  |
| H.264 Type Baseline Profile, Main 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 Type Mono sound   |  | *Third stream is supported under certain settings.                                      |  |                 |  |  |
| 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 Type Mono sound  | Video Bit Rate   |   |  |                 |  |  |
| 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 Type  Mono sound   | H.264 Type   | Baseline Profile, Main Profile, High Profile  |  |                 |  |  |
| Scalable Video Coding (SVC)  Region of Interest (ROI)  1 fixed region for main stream  Audio  Audio Type  Mono sound   | H.265 Type   |   |  |                 |  |  |
| Region of Interest (ROI) 1 fixed region for main stream  Audio  Audio Type Mono sound  | Bit Rate Control   | CBR, VBR  |  |                 |  |  |
| Audio Type Mono sound  | Scalable Video Coding (SVC)  | H.264 and H.265 encoding  |  |                 |  |  |
| Audio Type Mono sound  | Region of Interest (ROI)   | OI) 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  |  |                 |  |  |
|  | 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)  |  |  |  |  |
|-----------------------------|--|--|--|--|--|
| Environment Noise Filtering | Yes  |  |  |  |  |
| Audio Sampling Rate         | 8 kHz/16 kHz/32 kHz/48 kHz   |  |  |  |  |
| Network                     |  |  |  |  |  |
| 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  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, TL 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+, Local service: Chrome 80+, Firefox 80+, Edge 89+  |  |  |  |  |
| Image                       |  |  |  |  |  |
| 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   |  |  |  |  |
| Interface                   |  |  |  |  |  |
| 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 G   |  |  |  |  |
| Audio                       | 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 K $\Omega$ , interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, out impedance: 100 $\Omega$ , interface type: non-equilibrium  |  |  |  |  |
| Alarm                       | 1 input, 1 output (max. 24 VDC/24 VAC, 1 A)  |  |  |  |  |
| Reset Key                   | Yes  |  |  |  |  |
| Event                       |  |  |  |  |  |
| 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  |  |  |  |  |
|                             | captare, seria cinari  |  |  |  |  |



| Deep Learning Function    |   |  |  |  |
|---------------------------|---|--|--|--|
| Face Capture              | Yes   |  |  |  |
| Perimeter Protection      | Line crossing, intrusion, region entrance, region exiting                               |  |  |  |
| refinieter Protection     | Support alarm triggering by specified target types (human and vehicle)                  |  |  |  |
| General                   |   |  |  |  |
|                           | 12 VDC ± 25%, 1.08 A, max. 13 W, Ø5.5 mm coaxial power plug, reverse polarity           |  |  |  |
| Power                     | protection,   |  |  |  |
|                           | PoE: PoE(IEEE 802.3at class 4), MAX: 15W  |  |  |  |
| Material                  | Front cover: Metal, body: Metal, bracket: Metal   |  |  |  |
| Dimension                 | Ø140 mm × 333.8 mm (Ø5.5" × 13.1")  |  |  |  |
| Package Dimension         | 386 mm × 190 mm × 180 mm (15.2" × 7.5" × 7.1")  |  |  |  |
| Weight                    | Approx. 1540 g (3.4 lb.)  |  |  |  |
| With Package Weight       | Approx. 2311 g (5.1 lb.)  |  |  |  |
| Storage Conditions        | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)               |  |  |  |
| Startup and Operating     | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)               |  |  |  |
| Conditions                | -50 C to 60 C (-22 F to 140 F). Humbarly 95% of less (non-condensing)                   |  |  |  |
| General Function          | Heartbeat, mirror, flash log, password reset via email, pixel counter, anti-banding     |  |  |  |
|                           | 33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, |  |  |  |
| Languago                  | Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish,   |  |  |  |
| Language                  | Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, |  |  |  |
|                           | Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian         |  |  |  |
| Approval                  |   |  |  |  |
| EMC                       | CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC                          |  |  |  |
| LIVIC                     | 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021                               |  |  |  |
| Safety                    | UL: UL 62368-1,   |  |  |  |
|                           | CB: IEC 62368-1:2014+A11,   |  |  |  |
|                           | 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.

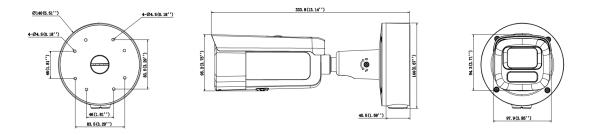
| Level                  | Description   |  |  |
|------------------------|---|--|--|
|                        | Hikvision products at this level are equipped for use in areas where professional       |  |  |
| Top-level protection   | anti-corrosion protection is a must. Typical application scenarios include coastlines , |  |  |
|                        | docks, chemical plants, and more.   |  |  |
|                        | Hikvision products at this level are equipped for use in areas with moderate            |  |  |
| Moderate protection    | 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        |  |  |
| No specific protection | anti-corrosion protection is needed.  |  |  |



#### Available Model

DS-2CD2647G3-LIZSY(2.8-12mm)
DS-2CD2647G3-LIZSY(2.8-12mm)(Black)

#### Dimension



Unit: mm(inch)

#### Accessory

#### Optional

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

#### Installation Methods

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

## See Far, Go Further



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