

**DS-2XE6046G0-LS(316L)(M)**  
**316L Explosion-Proof 4MP Macro Lens Fixed Bullet**



- Explosion-proof design: the camera has passed international ATEX & IECEx certifications, and can be used in gas and dust hazardous scenarios
- IP66/IP68 water resistant, preventing water ingress for outdoor use
- Vandal resistant (IK10)
- H.265+/H.265/H.264+/H.264 encoding: efficient compression technology saves storage space and reduces bandwidth requirements

## ▪ Specification

| Camera                      |                                                                                                                                                                                        |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/2.7" Progressive Scan CMOS                                                                                                                                                           |
| Max. Resolution             | 2560 × 1920                                                                                                                                                                            |
| Min. Illumination           | Color: 0.005 Lux @ (F1.2, AGC ON)                                                                                                                                                      |
| Shutter Time                | 1/3 s to 1/100,000 s                                                                                                                                                                   |
| Lens                        |                                                                                                                                                                                        |
| Focal Length & FOV          | 2.8 mm, horizontal FOV 105°, vertical FOV 87°, diagonal FOV 120°<br>4 mm, horizontal FOV 80°, vertical FOV 64°, diagonal FOV 93°                                                       |
| Min. Focus Distance         | 2.8mm: 0.2m<br>4mm: 0.9m                                                                                                                                                               |
| Aperture                    | F2.0                                                                                                                                                                                   |
| Illuminator                 |                                                                                                                                                                                        |
| Supplement Light Type       | White Light                                                                                                                                                                            |
| Supplement Light Range      | Up to 0.25 m                                                                                                                                                                           |
| Video                       |                                                                                                                                                                                        |
| Main Stream                 | 50 Hz: 25 fps (2560 × 1920 , 2560 × 1440, 1920 × 1080, 1280 × 720)<br>60 Hz: 30 fps (2560 × 1920 , 2560 × 1440, 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, 704 × 576, 640 × 480)<br>60 Hz: 10 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)                                                         |
| Video Compression           | Main stream: H.265+/H.265/H.264+/H.264,<br>Sub-stream: H.265/H.264/MJPEG<br>Trird-stream : H.265/H.264                                                                                 |
| Video Bit Rate              | 32 Kbps to 8 Mbps                                                                                                                                                                      |
| H.264 Type                  | Baseline Profile, Main Profile, High Profile                                                                                                                                           |
| H.265 Type                  | Main Profile                                                                                                                                                                           |
| Scalable Video Coding (SVC) | H.264 and H.265 encoding                                                                                                                                                               |
| Region of Interest (ROI)    | 5 fixed region for main stream                                                                                                                                                         |
| Audio                       |                                                                                                                                                                                        |
| 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                                                                                                                                                                                    |
| Network                     |                                                                                                                                                                                        |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SFTP, ARP, SNMP, WebSocket, WebSockets, RTCP |
| Simultaneous Live View      | Up to 20 channels                                                                                                                                                                      |
| API                         | ONVIF (Profile S, Profile G, Profile T), 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-MD5), WSSE and digest authentication for ONVIF, basic and digest authentication for HTTP/HTTPS, RTP/RTSP over HTTPS, security audit log, control timeout settings                                       |
| Client                        | iVMS-4200, Hik-Connect, Hik-Central                                                                                                                                                                                                                                                             |
| Web Browser                   | Plug-in required live view: IE 10, IE 11<br>Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Safari 11+<br>Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+                                                                                                                   |
| <b>Image</b>                  |                                                                                                                                                                                                                                                                                                 |
| Image Settings                | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser                                                                                                                                                                     |
| Wide Dynamic Range (WDR)      | 120 dB                                                                                                                                                                                                                                                                                          |
| Image Enhancement             | BLC, HLC, 3D DNR, Distortion Correction                                                                                                                                                                                                                                                         |
| Privacy Mask                  | 8 programmable polygon privacy masks                                                                                                                                                                                                                                                            |
| Picture Overlay               | LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.                                                                                                                                                                                                                         |
| <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,<br>*You are recommended to purchase memory card together with the product if needed. After ordering, the memory card will be installed to product during manufacturing.                                      |
| 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,<br>1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 $\Omega$ , interface type: non-equilibrium |
| Alarm                         | 1 input, 1 output (max. 5 VDC, 0.1 A)                                                                                                                                                                                                                                                           |
| <b>Event</b>                  |                                                                                                                                                                                                                                                                                                 |
| Basic Event                   | Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error), alarm input and output                                                             |
| Smart Event                   | Unattended baggage detection, object removal detection, scene change detection, audio exception detection, defocus detection                                                                                                                                                                    |
| Linkage                       | Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, audible warning, white light flashing                                                                                                                                           |
| <b>Deep Learning Function</b> |                                                                                                                                                                                                                                                                                                 |
| Perimeter Protection          | Line crossing, intrusion, region entrance, region exiting<br>Support alarm triggering by specified target types (human and vehicle)                                                                                                                                                             |
| Face Capture                  | Detects up to 10 faces simultaneously,<br>Supports swing left and right from -60° to 60°, tilt up and down from -30° to 30°,<br>Uploads face with background and closed-up face pictures                                                                                                        |
| <b>General</b>                |                                                                                                                                                                                                                                                                                                 |
| Power                         | PoE: IEEE 802.3af, Class 3, max. 7.5 W, 12 VDC $\pm$ 20%, 0.5 A, max. 6 W, 3-core terminal block                                                                                                                                                                                                |
| Material                      | SUS316L with anti-corrosion coating                                                                                                                                                                                                                                                             |
| Dimension                     | 157.8 mm × 137.4 mm × 136.5 mm (6.21" × 5.41" × 5.37")                                                                                                                                                                                                                                          |
| Package Dimension             | 396 mm × 236 mm × 222 mm (15.59" × 9.29" × 9.22")                                                                                                                                                                                                                                               |

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Weight                           | Approx. 2700 g (5.95 lb.)                                                                                                                                                                                                                                                                                                                                                                                                        |
| With Package Weight              | Approx. 3400 g (7.50 lb.)                                                                                                                                                                                                                                                                                                                                                                                                        |
| Startup and Operating Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)                                                                                                                                                                                                                                                                                                                                                        |
| 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                                                                            |
| General Function                 | Heartbeat, mirror, flash log, password reset via e-mail, pixel counter, anti-banding                                                                                                                                                                                                                                                                                                                                             |
| Cable Length                     | 1.3 m (4.26 ft.)                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <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, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7, KC: KN32: 2015, KN35: 2015                                                                                                                                                                                                                          |
| Safety                           | CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017, BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005, LOA: IEC/EN 60950-1                                                                                                                                                                                                                                                                                               |
| Protection                       | IP66: IEC 60529-2013, IP68: IEC 60529-2013, IK10: IEC 62262: 2002                                                                                                                                                                                                                                                                                                                                                                |
| Explosion-Proof Protection       | ATEX: Ex II 2 G D Ex db IICT6 Gb/Ex tb IIICT80 °C Db IP68<br>IECEx: Ex db IICT6 Gb/Ex tb IIICT80 °C Db IP68<br>For explosive gas atmospheres, the maximum surface temperature is 85 °C;<br>For flammable dust atmospheres, the maximum surface temperature is 80 °C;<br>IIC: for explosive gas atmospheres other than mines susceptible to firedamp;<br>For explosive gas mixture atmospheres: Zone 1, Zone 2, Zone 21, Zone 22. |
| 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.

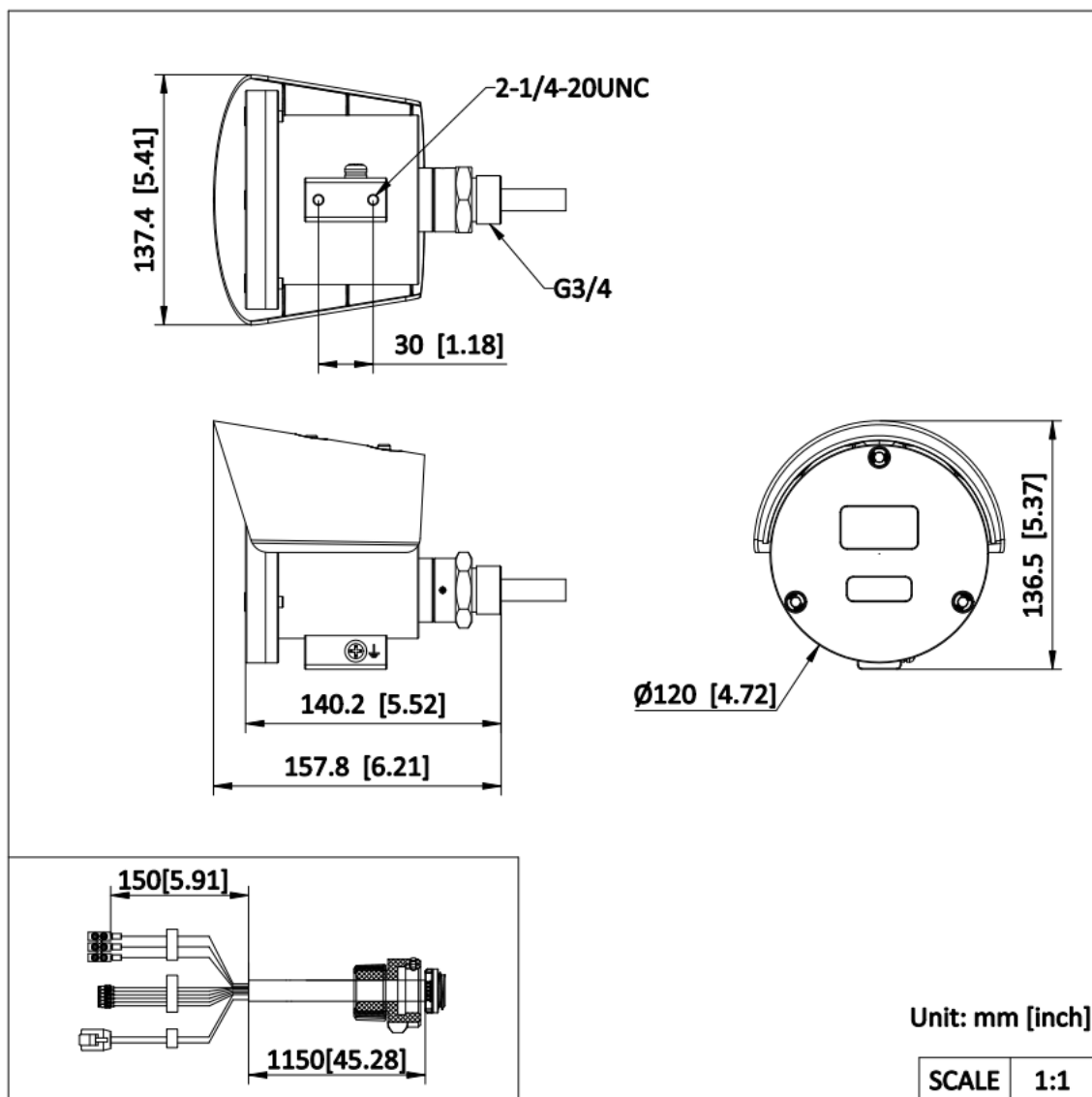
| Level                  | Description                                                                                                                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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-2XE6046G0-LS(316L)(2.8mm)(M)

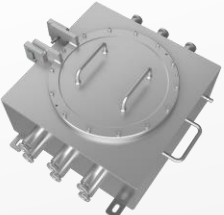
DS-2XE6046G0-LS(316L)(4mm)(M)

## ▪ Dimension



## ▪ Accessory

### ▪ Optional

| DS-2XE2601-1-Y(SS)<br>)                                                             | DS-2XE2705-M04(3<br>16L)                                                            | DS-1751ZJ-AC(OS)                                                                    | DS-1712ZJ                                                                             | DS-2XE2707CB-M1<br>2(316L)                                                            |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |

**DS-4401ZJ-GY38SL**

**YHinge**



# See Far, Go Further



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

