

## DS-2XE6145G0-HS/304 304 4MP Explosion-Proof Fixed Dome



- Explosion-proof design: the camera has passed international ATEX & IECEx certifications, and can be used in gas and dust hazardous scenarios
- 304 stainless steel enclosure, protecting the camera from damage caused by sparks or corrosive materials
- IP68 water resistant, preventing water ingress for outdoor use
- H.265+/H.265/H.264+/H.264 encoding: efficient compression technology saves storage space and reduces bandwidth requirements
- A built-in heater allows for start-up in ultra-low temperatures to -40 °C
- High resolution 4 MP, capturing clear images

## ▪ Specification

| Camera                      |                                                                                                                                                                                                                    |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/3" Progressive Scan CMOS                                                                                                                                                                                         |
| Max. Resolution             | 2688 × 1520                                                                                                                                                                                                        |
| Min. Illumination           | Color: 0.003 Lux @ (F1.0, AGC ON)                                                                                                                                                                                  |
| Shutter Time                | 1/3 s to 1/100,000 s                                                                                                                                                                                               |
| Angle Adjustment            | Pan: 0° to 340°, tilt: 0° to 75°                                                                                                                                                                                   |
| Lens                        |                                                                                                                                                                                                                    |
| Lens Type                   | Fixed focal length, 2.8 mm, 4 mm, and 6 mm optional                                                                                                                                                                |
| Focal Length & FOV          | 2.8 mm, horizontal FOV 102.5°, vertical FOV 53.4°, diagonal FOV 118.9°<br>4 mm, horizontal FOV 80.2°, vertical FOV 40.8°, diagonal FOV 93.4°<br>6 mm, horizontal FOV 52.5°, vertical FOV 27.4°, diagonal FOV 60.2° |
| Lens Mount                  | M12                                                                                                                                                                                                                |
| Aperture                    | F1.0                                                                                                                                                                                                               |
| DORI                        |                                                                                                                                                                                                                    |
| DORI                        | 2.8 mm, D: 54.6 m, O: 21.7 m, R: 10.9 m, I: 5.5 m<br>4 mm, D: 85.4 m, O: 33.9 m, R: 17.1 m, I: 8.5 m<br>6 mm, D: 128.0 m, O: 50.8 m, R: 25.6 m, I: 12.8 m                                                          |
| 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 (640 × 480, 640 × 360)<br>60 Hz: 30 fps (640 × 480, 640 × 360)                                                                                                                                       |
| Third Stream                | 50 Hz: 1 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 1 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)                                                                                       |
| Video Compression           | Main stream: H.265+/H.265/H.264+/H.264<br>Sub-stream: H.265/H.264/MJPEG<br>Third 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 regions for each stream                                                                                                                                                                                    |
| Target Cropping             | Yes                                                                                                                                                                                                                |
| Audio                       |                                                                                                                                                                                                                    |
| Audio Compression           | G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC/MP3                                                                                                                                                             |
| Audio Bit Rate              | 64 Kbps (G.711 ulaw/G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)/8 to 320 Kbps (MP3)                                                                                |
| Audio Sampling Rate         | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz                                                                                                                                                                                |
| Environment Noise Filtering | Yes                                                                                                                                                                                                                |
| Network                     |                                                                                                                                                                                                                    |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour                                                                              |
| Simultaneous Live View      | Up to 6 channels                                                                                                                                                                                                   |
| API                         | Open Network Video Interface, ISAPI, ISUP 5.0                                                                                                                                                                      |

|                                  |                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| User/Host                        | Up to 32 users<br>3 levels: administrator, operator and user                                                                                                                                                                                                                                                                                          |
| Network Storage                  | NAS (NFS, SMB/CIFS), ANR                                                                                                                                                                                                                                                                                                                              |
| Client                           | iVMS-4200, Hik-Connect                                                                                                                                                                                                                                                                                                                                |
| Web Browser                      | Plug-in required live view: IE10, IE11<br>Local service: Chrome 57.0+, Firefox 52.0+                                                                                                                                                                                                                                                                  |
| <b>Image</b>                     |                                                                                                                                                                                                                                                                                                                                                       |
| Image Parameters Switch          | Yes                                                                                                                                                                                                                                                                                                                                                   |
| Image Settings                   | Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance adjustable by client software or web browser                                                                                                                                                                                                                         |
| Day/Night Switch                 | Day, Night, Auto, Schedule                                                                                                                                                                                                                                                                                                                            |
| Wide Dynamic Range (WDR)         | 120 dB                                                                                                                                                                                                                                                                                                                                                |
| Image Enhancement                | BLC, HLC, 3D DNR, defog                                                                                                                                                                                                                                                                                                                               |
| <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/SDHC/SDXC card, up to 128 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), 1 output (line out)                                                                                                                                                                                                                                                                                                                |
| Alarm                            | 1 alarm input, 1 alarm output (supports max. 24 VDC, 1 A or 110 VAC, 500 mA)                                                                                                                                                                                                                                                                          |
| RS-485                           | 1 RS-485 interface                                                                                                                                                                                                                                                                                                                                    |
| <b>Event</b>                     |                                                                                                                                                                                                                                                                                                                                                       |
| Basic Event                      | Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)                                                                                                                                                                                                                    |
| Smart Event                      | Line crossing detection, intrusion detection, region entrance detection, region exiting detection<br>Scene change detection, unattended baggage detection, object removal detection                                                                                                                                                                   |
| <b>General</b>                   |                                                                                                                                                                                                                                                                                                                                                       |
| Power                            | 12 VDC $\pm$ 20%, 0.8 A, max. 10 W, two-core terminal block<br>PoE: 802.3af, Class 3, 36 V to 57 V, 0.3 A to 0.2 A, max. 12.5 W                                                                                                                                                                                                                       |
| Material                         | SUS 304                                                                                                                                                                                                                                                                                                                                               |
| Dimension                        | $\varnothing$ 138 mm $\times$ 123.4 mm ( $\varnothing$ 5.43" $\times$ 4.86")                                                                                                                                                                                                                                                                          |
| Package Dimension                | 251 mm $\times$ 215 mm $\times$ 189 mm (9.88" $\times$ 8.46" $\times$ 7.44")                                                                                                                                                                                                                                                                          |
| Weight                           | Approx. 2810 g (6.2 lb.)                                                                                                                                                                                                                                                                                                                              |
| With Package Weight              | Approx. 4040 g (8.9 lb.)                                                                                                                                                                                                                                                                                                                              |
| Startup and Operating Conditions | -40 $^{\circ}$ C to 60 $^{\circ}$ C (-40 $^{\circ}$ F to 140 $^{\circ}$ 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                 | Anti-banding, heartbeat, mirror, privacy mask, password protection, watermark, IP address filter                                                                                                                                                                                                                                                      |
| Heater                           | Yes                                                                                                                                                                                                                                                                                                                                                   |
| Cable Length                     | 1.3 m (4.27 ft.)                                                                                                                                                                                                                                                                                                                                      |

| Approval                   |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EMC                        | FCC: FCC-SDoC (ANSI C63.4, FCC Part15 sub B)<br>CE: CE-EMC (EN 50130-4:2011+A1:2014, EN 55032:2015, EN 61000-3-2:2014, EN 61000-3-3:2013)<br>RCM: AS/NZS 60950.1:2003 + Am1, Am2 and Am3, AS/NZS CISPR 32:2015<br>IC: IC-VoC (ICES-003 Issue 7:2020)<br>KC: KN 301489-1, KN 301489-17, RRA NOTICE 2017-14 (2017.12.05), RRA NOTICE 2017-19 (2017.12.28)                                                                            |
| Safety                     | UL: UL 62368-1:2014, CAN/CSA C22.2 No. 62368:2014<br>CB: IEC 62368-1:2014<br>BIS: IS 13252 (Part 1) 2010+A1:2013+A2:2015<br>LOA: SANS IEC60950-1                                                                                                                                                                                                                                                                                   |
| Environment                | CE: CE-RoHS (RoHS Directive 2011/65/EU+2015/863)                                                                                                                                                                                                                                                                                                                                                                                   |
| Protection                 | IP68 (IEC 60529-2013)                                                                                                                                                                                                                                                                                                                                                                                                              |
| Explosion-Proof Protection | ATEX: II 2G Ex db IIC T6 Gb/ II 2D Ex tb IIIC T80°C Db IP68<br>IECEx: Ex db IIC T6 Gb /Ex tb IIIC T80°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. |

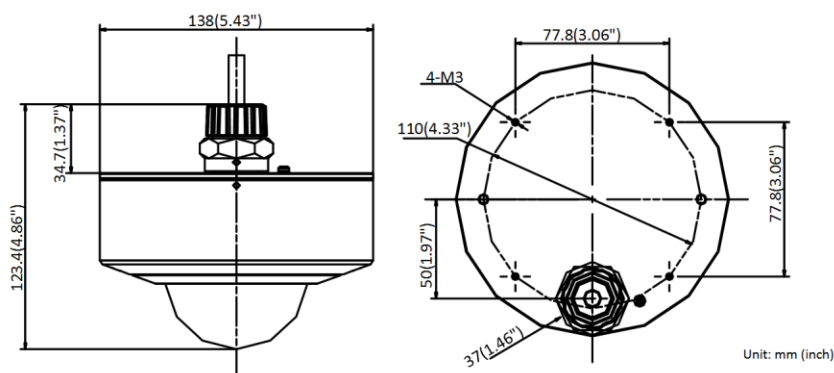
## ▪ Available Model

DS-2XE6145G0-HS(2.8mm)/304

DS-2XE6145G0-HS(4mm)/304

DS-2XE6145G0-HS(6mm)/304

## ▪ Dimension



▪ Accessory

▪ Included



▪ Optional

| DS-2XE2601-1(CS)                                                                   | DS-2781ZJ-X(OS)(O<br>-STD)/316L                                                    | DS-2780ZJ-X(OS)(O<br>-STD)/316L                                                    | DS-1696ZJ-X-AC(O<br>S)                                                              | DS-1697ZJ-X-AC(O<br>S)                                                               |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
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