

DS-2XE6242F-IS/316L(D)
316L 4MP Explosion-Proof Fixed Bullet



- Explosion-proof design: the camera has passed international ATEX & IECEx certifications, and can be used in gas and dust hazardous scenarios
- 316L stainless steel enclosure and anti-corrosion spray treatment, protecting the camera from damage caused by sparks or corrosive materials
- IP68/IK08 water resistant and vandal proof, 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
- 100 VAC to 240 VAC wide range power supply: easy to deploy cables and safer compared to a power adapter solution

▪ Specification

| Camera | |
|--------------------------|---|
| Image Sensor | 1/3" Progressive Scan CMOS |
| Max. Resolution | 2560 × 1440 |
| Min. Illumination | Color: 0.01 lux @ (F1.2, AGC ON), B/W: 0.001 lux @ (F1.2, AGC ON), 0 Lux with IR |
| Shutter Time | 1 s to 1/100,000 s |
| Day & Night | IR cut filter |
| Lens | |
| Lens Type | Fixed focal lens, 4, 6, 8, and 12 mm optional |
| Focal Length & FOV | 4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 99° 6 mm, horizontal FOV 52°, vertical FOV 28°, diagonal FOV 60° 8 mm, horizontal FOV 39°, vertical FOV 22°, diagonal FOV 46° 12 mm, horizontal FOV 25°, vertical FOV 14°, diagonal FOV 28° |
| Lens Mount | M12 |
| Aperture | F1.6 |
| DORI | |
| DORI | 4 mm: D: 80 m, O: 31.7 m, R: 16 m, I: 8 m 6 mm: D: 128 m, O: 50.8 m, R: 25.6 m, I: 12.8 m 8 mm: D: 160 m, O: 63.5 m, R: 32 m, I: 16 m 12 mm: D: 248 m, O: 98.4 m, R: 49.6 m, I: 24.8 m |
| Illuminator | |
| Supplement Light Type | IR |
| Supplement Light Range | Up to 30 m |
| IR Wavelength | Up to 850 nm |
| Video | |
| Main Stream | 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 24 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) |
| Sub-Stream | 50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288, 320 × 240) 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240, 320 × 240) |
| Third Stream | 50 Hz: 1 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240) 60 Hz: 1 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240, 320 × 240) |
| Video Compression | Main stream: H.265/H.264/H.265+/H.264+ Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264/MJPEG |
| Video Bit Rate | 32 Kbps to 16 Mbps |
| H.264 Type | Baseline profile/main profile/high profile |
| H.265 Type | Main profile |
| Region of Interest (ROI) | 5 customized regions for each stream, and face dynamic tracking |
| Target Cropping | Yes |

| Audio | |
|-----------------------------|---|
| Audio Type | Mono sound |
| Audio Compression | G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC/MP3 |
| Audio Bit Rate | 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/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 |
| Simultaneous Live View | Up to 6 channels |
| API | Open Network Video Interface (Profile S, Profile G), PSIA, CGI, ISAPI |
| User/Host | Up to 32 users. 3 user levels: administrator, operator and user |
| Network Storage | NAS (NFS, SMB/CIFS), auto network replenishment (ANR) |
| Client | iVMS-4200, Hik-Connect, Hik-Central |
| Web Browser | Plug-in required live view: IE 8+, Chrome 41.0 to 44, Firefox 30.0 to 51, Safari 8.0 to 11 Plug-in free live view: Chrome 45.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ Not recommended: Safari 11+, Edge |
| Image | |
| Image Settings | Rotate mode, saturation, brightness, contrast adjustable by client software or web browser |
| Day/Night Switch | Auto/Schedule/Alarm Trigger |
| Wide Dynamic Range (WDR) | 120 dB |
| Image Enhancement | BLC/3D DNR |
| Privacy Mask | 8 programmable polygon privacy mask |
| Picture Overlay | LOGO picture can be overlaid on video with 128 × 128 24bit bmp format |
| Interface | |
| Audio | 1 line in, 1 line out |
| 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 256 GB *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. |
| Alarm | 1 alarm input, 1 alarm output |
| Event | |
| Basic Event | Motion detection (support alarm triggered by specified target types (human and vehicle)), 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 (support alarm triggered by specified target types (human and vehicle)) Scene change detection, audio exception detection |
| Linkage | Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, trigger capture |
| General | |
| Power | 100 VAC to 240 VAC, 0.15 A, 50/60 Hz, max. 7 W, terminal block PoE: 802.3af, Class 3, 36 to 57 V, 0.3 to 0.2 A |

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| Material | Stainless steel 316L |
| Dimension | 202 mm × 174 mm × 172 mm (8.0"× 6.9" × 6.8") |
| Package Dimension | 435 mm × 255 mm × 285 mm (17.1" × 10" × 11.2") |
| Weight | Approx. 6.18 kg (13.62 lb.) |
| With Package Weight | Approx. 7.21 kg (15.90 lb.) |
| Storage Conditions | -40 °C to +60 °C (-40 °F to +140 °F). Humidity 95% or less (non-condensing) |
| Startup and Operating Conditions | -30 °C to +60 °C (-22 °F to +140 °F). Humidity 95% or less (non-condensing) |
| 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 | Mirror, anti-flicker, heartbeat, watermark, password protection, privacy mask |
| Cable Length | 1.41 m (4.63 ft.) |
| Approval | |
| EMC | FCC: FCC-SDoC (ANSI C63.4, FCC Part15 sub B) CE: CE-EMC (EN 50130-4:2011+A1: 2014, EN 55032:2015, EN 61000-3-2:2014, EN 61000-3-3:2013) IC: IC-VoC (ICES-003 Issue 7: 2020) KC: KN 301489-1, KN 301489-17, RRA NOTICE 2017-14 (2017.12.05), RRA NOTICE 2017-19 (2017.12.28) |
| Safety | CB (IEC 60950-1) CE: CE-LVD (EN 60950-1:2006+A11: 2009+A1: 2010+A12: 2011+A2: 2013) |
| Protection | IK08 (IEC 62262:2002), IP68 (IEC 60529-2013) |
| Explosion-Proof Protection | ATEX: II 2G Ex db IIC T6 Gb/ II 2D Ex tb IIIC T80°C Db IP68 IECEx: Ex db IIC T6 Gb /Ex tb IIIC T80°C Db IP68 For explosive gas atmospheres, the maximum surface temperature is 85°C; For flammable dust atmospheres, the maximum surface temperature is 80°C; IIC: for explosive gas atmospheres other than mines susceptible to firedamp; For explosive gas mixture atmospheres: Zone 1, Zone 2, Zone 21, Zone 22. |
| Anti-Corrosion Protection | NEMA 4X (NEMA 250-2018) |

**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.*

▪ 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 TOP-LEVEL SPECIFIC PROTECTION.

| Level | Description |
|----------------------|---|
| Top-level protection | Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more. |
| Moderate protection | Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as |

| | |
|------------------------|---|
| | areas affected by acid rain. |
| No specific protection | Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed. |

▪ Available Model

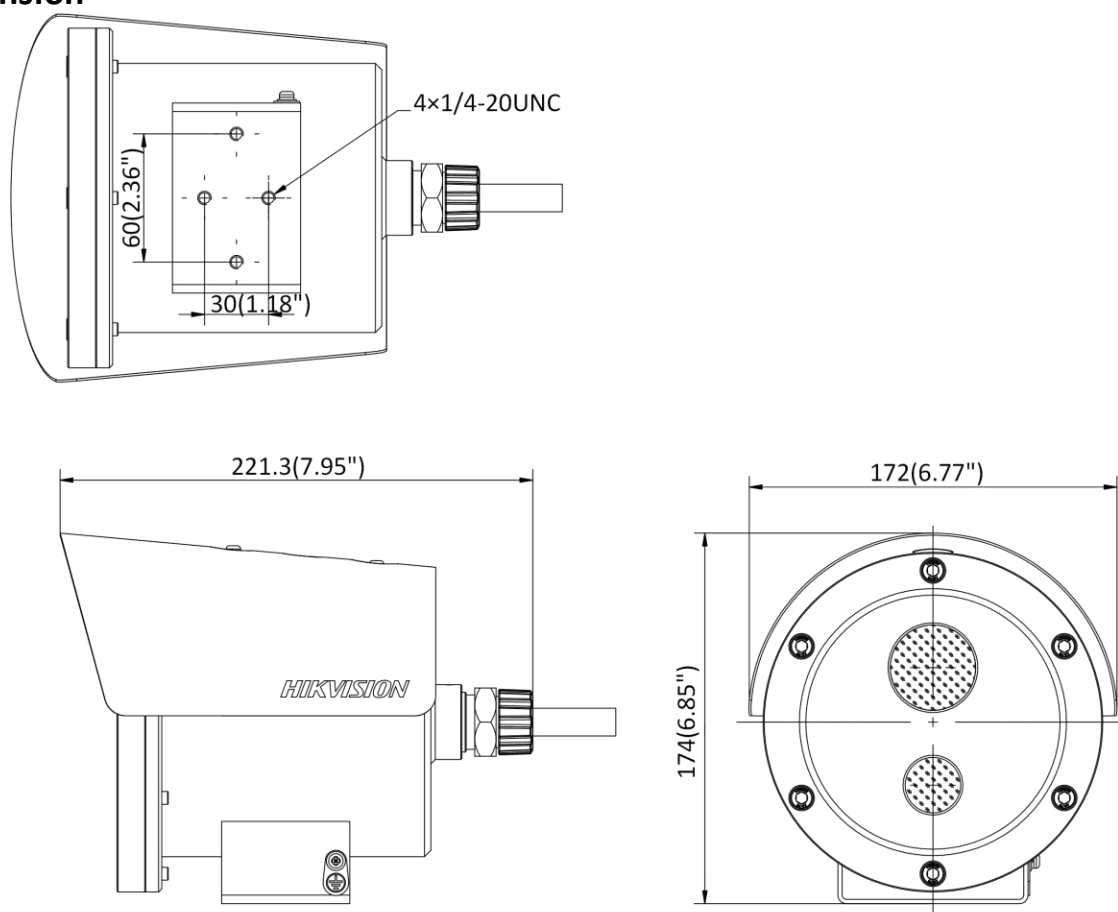
DS-2XE6242F-IS(12mm)(D)/316L

DS-2XE6242F-IS(4mm)(D)/316L

DS-2XE6242F-IS(6mm)(D)/316L

DS-2XE6242F-IS(8mm)(D)/316L

▪ Dimension



Unit: mm (inch)

▪ Accessory

▪ Optional

| DS-2XE2601-1-Y(SS) | DS-1751ZJ-AC(OS) | DS-1704ZJ-Y-AC(OS) | DS-2780ZJ-X(OS)(O-S TD)/316L |
|--------------------|------------------|--------------------|------------------------------|
| | | | |

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