

DS-2CD3D4G3E-IT/LIU 4 MP Smart Hybrid Light Fixed Dome Network Camera



Hikvision has been dedicated to develop products with security since established. Hikvision always follows security by design principle and has adopted many methods of security technologies into our product development lifecycle, including terminal security, data security, application security, network security, and privacy protection. In the meantime, the security technologies used by Hikvision are all in compliance with local applicable laws and safety regulations. These security measures could enhance product's cyber security protection capability and protect your devices as well as your data from malicious cyber attacks.

- High quality imaging with 4 MP resolution
- Support Human and Vehicle Detection
- Efficient H.265+ compression technology
- Smart Hybrid Light: advanced technology with long range
- Clear imaging against strong back light due to 120 dB WDR technology
- 3D DNR technology delivers clean and sharp images
- Built-in microphone for real-time audio security
- Easy installation with Power over Ethernet (PoE) technology
- Water and dust resistant (IP67) and vandal proof (IK10)

▪ Specification

| Camera | |
|-----------------------------|---|
| Image Sensor | 1/2.7" Progressive Scan CMOS |
| Max. Resolution | 2560 × 1440 |
| Min. Illumination | Color: 0.003 Lux @ (F1.6, AGC ON), 0 Lux with light |
| Shutter Time | 1/3 s to 1/100,000 s |
| Day & Night | IR cut filter |
| Angle Adjustment | Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355° |
| Lens | |
| Lens Type | Fixed focal lens, 2.8 and 4 mm optional |
| Focal Length & FOV | 2.8 mm, horizontal FOV 98.2°, vertical FOV 54.2°, diagonal FOV 114.6° 4 mm, horizontal FOV 78.8°, vertical FOV 42.3°, diagonal FOV 93.4° |
| Lens Mount | M12 |
| Iris Type | Fixed |
| Aperture | F1.6 |
| DORI | |
| DORI | 2.8 mm, D: 63 m, O: 25 m, R: 12 m, I: 6 m 4 mm, D: 78 m, O: 31 m, R: 15 m, I: 7 m |
| Illuminator | |
| Supplement Light Type | IR, White Light |
| Supplement Light Range | Up to 40 m |
| Smart Supplement Light | Yes |
| IR Wavelength | 850 nm |
| Video | |
| Main Stream | 50 Hz: 20 fps (2560 × 1440), 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1440), 30 fps (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) |
| Third Stream | 50 Hz: 1 fps (640 × 360) 60 Hz: 1 fps (640 × 360) |
| Video Compression | Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, 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 |
| Bit Rate Control | CBR, VBR |
| Region of Interest (ROI) | 1 fixed region for main stream and sub-stream |
| Audio | |
| Audio Type | Mono sound |
| Environment Noise Filtering | Yes |
| Audio Sampling Rate | 8 kHz/16 kHz |

| | |
|--------------------------|--|
| 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) |
| Network | |
| Security | Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-MD5), watermark, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, security audit log, TLS 1.2, TLS 1.3, host authentication (MAC address) |
| Simultaneous Live View | Up to 6 channels |
| API | Open Network Video Interface (Profile S, Profile T, Profile G), ISAPI, SDK |
| Protocols | TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IGMP, IPv4, IPv6, UDP, QoS, FTP, SMTP, HTTPS, DDNS, UPnP, 802.1X |
| User/Host | Up to 32 users 3 user levels: administrator, operator, and user |
| Client | iVMS-4200, Hik-Connect |
| Web Browser | Plug-in required live view: IE 10, IE 11, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+ |
| Image | |
| Wide Dynamic Range (WDR) | 130 dB |
| SNR | ≥ 52 dB |
| Day/Night Switch | Day, Night, Auto, Schedule |
| Image Enhancement | BLC, HLC, 3D DNR |
| Image Settings | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser |
| 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 GB |
| Built-in Microphone | Yes |
| Reset Key | Yes |
| Event | |
| Basic Event | Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception |
| Smart Event | Line crossing detection, intrusion detection |
| Linkage | Upload to FTP/memory card, notify surveillance center, send email, trigger recording, trigger capture |
| General | |
| Power | 12 VDC ± 25%, 0.5 A, max. 6 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 7.5 W |
| Material | Base: aluminum alloy, cover: plastic |
| Dimension | Ø121.5 mm × 97.6 mm (Ø4.78" × 3.84") |
| Package Dimension | 150 mm × 150 mm × 141 mm (5.9" × 5.9" × 5.6") |
| Weight | Approx. 490 g (1.1 lb.) |
| With Package Weight | Approx. 680 g (1.5 lb.) |
| Storage Conditions | -30 °C to 60 °C (-22 °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 | English, Turkish, Polish, Romanian, Czech, Slovak, Traditional Chinese, Thai, Vietnamese, Croatian, Slovenian, Serbian, Ukrainian |
| General Function | Heartbeat, mirror, password reset via email, pixel counter, password protection, anti-banding |
| Approval | |
| 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, IC: ICES-003: Issue 7 |
| Safety | UL: UL 62368-1, CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017, BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005 |
| Environment | CE-RoHS: 2011/65/EU |
| Protection | IP67: IEC 60529-2013, IK10 |

▪ 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.

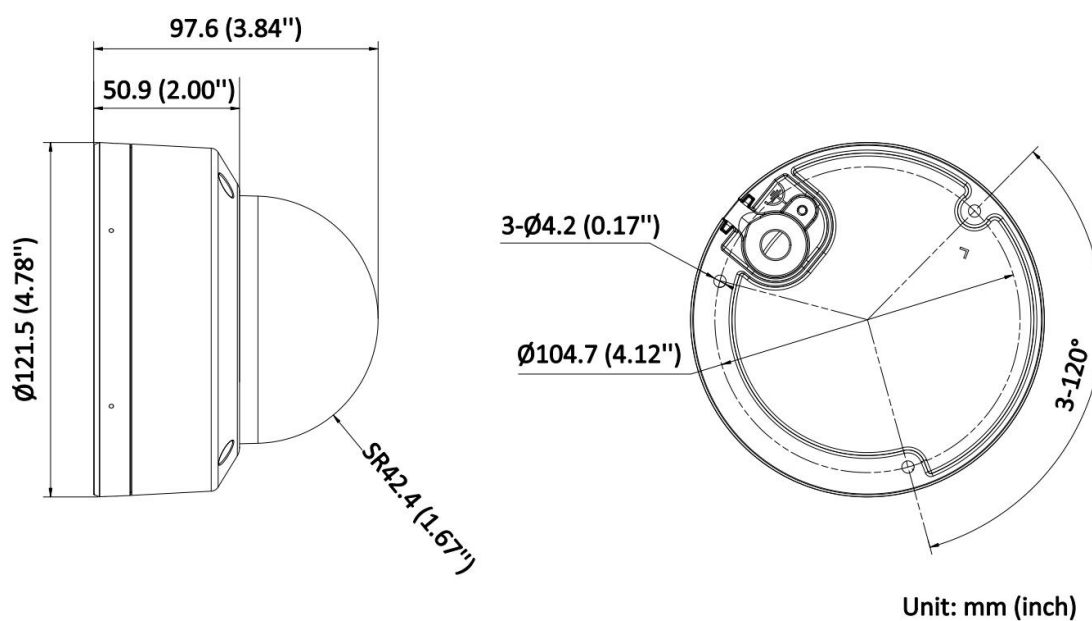
This model has NO SPECIFIC PROTECTION.

| 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-2CD3D4G3E-IT/LIU(2.8mm)

Dimension



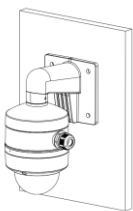
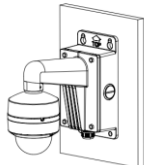
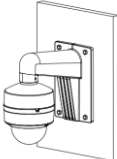
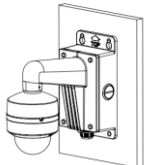
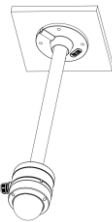

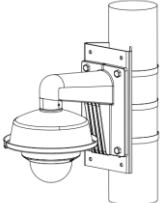
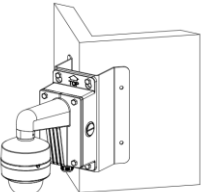
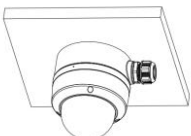
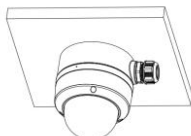
Accessory

Optional

| DS-1272ZJ-120 | DS-1272ZJ-120B | DS-1271ZJ-120 | DS-1275ZJ-SUS | DS-1276ZJ-SUS |
|---|---|---|---|---|
|  |  |  |  |  |
| DS-1280ZJ-DM46 | DS-2280ZJ-WA120 | DS-2210ZJ-WA-120 | DS-2200ZJ-WA-120 | DS-2200ZJ-WAJ-120 |
|  |  |  |  |  |

Installation Methods

| Wall Mounting DS-1272ZJ-120+DS-1280ZJ-DM46 | Wall Mounting DS-1272ZJ-120B | Wall Mounting DS-2200ZJ-WA-120 | Wall Mounting DS-2200ZJ-WAJ-120 | Pendant Mounting DS-1271ZJ-120+DS-1280ZJ-DM46 |
|---|---------------------------------|-----------------------------------|------------------------------------|--|
|---|---------------------------------|-----------------------------------|------------------------------------|--|

| | | | | |
|---|---|---|--|---|
|  |  |  |  |  |
| Pendant Mounting DS-2210ZJ-WA-120 | Vertical Pole Mounting DS-1275ZJ-SUS+DS-1272ZJ-120+DS-1253ZJ-M | Corner Mounting DS-1276ZJ-SUS+DS-1272ZJ-120B | Junction Box DS-1280ZJ-DM46 | Junction Box DS-2280ZJ-WA120 |
|  |  |  |  |  |

See Far, Go Further



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