

HIKVISION

DS-2CD2787G2HT-LIZS

8 MP Smart Hybrid Light with ColorVu Motorized Varifocal Dome Network Camera















- High quality imaging with 8 MP resolution
- Motorized varifocal lens for easy installation and monitoring
- Smart Hybrid Light: advanced technology with long range
- Clear imaging against strong backlight due to 130 dB WDR technology
- Efficient H.265+ compression technology
- Motorized varifocal lens for easy installation and monitoring
- Water and dust resistant (IP67) and vandal resistant (IK10)



Specification

| Camera | | | | | | |
|-----------------------------|---|--|--|--|--|--|
| Image Sensor | 1/1.8" Progressive Scan CMOS | | | | | |
| Max. Resolution | 3840 × 2160 | | | | | |
| Min. Illumination | Color: 0.0028 Lux @ (F1.2, 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 | Varifocal lens, motorized lens, 2.8 to 12 mm | | | | | |
| Focal Length & FOV | 2.8 to 12 mm, horizontal FOV 112.3° to 41.2°, vertical FOV 58.1° to 23.1°, diagonal FOV 137.4° to 47.3° | | | | | |
| Lens Mount | Integrated | | | | | |
| Iris Type | Fixed | | | | | |
| Aperture | Max. F1.2 | | | | | |
| Depth of Field | 1 m to ∞ | | | | | |
| DORI | | | | | | |
| 20.11 | Wide: D: 87 m, O: 35 m, R: 17 m, I: 9 m | | | | | |
| DORI | Tele: D: 216 m, O: 86 m, R: 43 m, I: 22 m | | | | | |
| Illuminator | | | | | | |
| Supplement Light Type | IR, White Light | | | | | |
| Supplement Light Range | Up to 40 m | | | | | |
| Smart Supplement Light | Yes | | | | | |
| IR Wavelength | 850 nm | | | | | |
| Video | - | | | | | |
| | 50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) | | | | | |
| Main Stream | 60 Hz: 24 fps (3840 × 2160), 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × | | | | | |
| | 720) | | | | | |
| | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) | | | | | |
| Sub-Stream | 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. | | | | | |
| | Main stream: H.265/H.264/H.264+/H.265+, | | | | | |
| | Sub-stream: H.265/H.264/MJPEG, | | | | | |
| Video Compression | Third stream: H.265/H.264, | | | | | |
| | *Third stream is supported under certain settings. | | | | | |
| Video Bit Rate | 32 Kbps to 16 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 and sub-stream | | | | | |
| Audio | | | | | | |
| | | | | | | |
| Audio Compression | G.711ulaw/G.711alaw/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)/16 Kbps to 64 Kbps (AAC-LC)/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, 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 | Open Network Video Interface (Profile S, Profile G, Profile T), 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 required live view: IE 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Local service: Chrome 57.0+, Firefox 52.0+, 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 | | | | |
| SNR | ≥ 52 dB | | | | |
| Wide Dynamic Range (WDR) | 130 dB | | | | |
| Privacy Mask | 4 programmable polygon privacy masks | | | | |
| Interface | . F O | | | | |
| 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 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output amplitude: 3.3 Vpp | | | | |
| Alarm | impedance: 100 Ω, interface type: non-equilibrium 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, to capture, send email, audible warning, trigger alarm output | | | | |



| Deep Learning Function | | | | | |
|------------------------|---|--|--|--|--|
| Face Capture | Yes | | | | |
| Perimeter Protection | Line crossing, intrusion, region entrance, region exiting | | | | |
| refilleter Frotection | Support alarm triggering by specified target types (human and vehicle) | | | | |
| General | | | | | |
| | 12 VDC ± 25%, 0.9 A, max. 10.8 W, Ø5.5 mm coaxial power plug, reverse polarity | | | | |
| Power | protection, | | | | |
| | PoE: IEEE 802.3af, Class 3, max. 12.9 W | | | | |
| Material | Metal | | | | |
| Dimension | Ø141 mm × 112 mm (Ø5.55" × 4.41") | | | | |
| Package Dimension | 244 mm × 174 mm × 173 mm (9.6" × 6.9" × 6.8") | | | | |
| Weight | Approx. 820 g (1.8 lb.) | | | | |
| With Package Weight | Approx. 1200 g (2.6 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 | -30 C to 00 C (-22 1 to 140 1). Humbirg 33% of less (non-condensing) | | | | |
| General Function | Heartbeat, mirror, password reset via email, pixel counter, anti-banding | | | | |
| | 33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, | | | | |
| Language | Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, | | | | |
| Lunguage | Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, | | | | |
| | Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian | | | | |
| Approval | | | | | |
| | CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN | | | | |
| EMC | 50130-4: 2011 +A1: 2014, | | | | |
| LIVIC | RCM: AS/NZS CISPR 32: 2015, | | | | |
| | IC: ICES-003: Issue 7 | | | | |
| | UL: UL 62368-1, | | | | |
| Safety | CB: IEC 62368-1: 2014+A11, | | | | |
| | CE-LVD: EN 62368-1: 2014/A11: 2017 | | | | |
| Environment | CE-RoHS: 2011/65/EU, | | | | |
| | WEEE: 2012/19/EU | | | | |
| Protection | IP67: IEC 60529-2013, IK10: IEC 62262:2002 | | | | |

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.

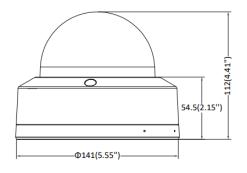
| Level | Description | | |
|------------------------|--|--|--|
| Top-level protection | Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more. | | |
| Moderate 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. | | |

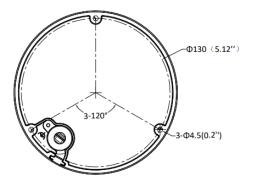


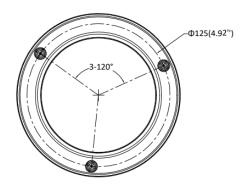
Available Model

DS-2CD2787G2HT-LIZS(2.8-12mm)
DS-2CD2787G2HT-LIZS(2.8-12)/eF/Black

Dimension







Unit:mm(inch)



Accessory

Optional

| DS-1273ZJ-140-DM45 Wall Mount | DS-1271ZJ-140-DM45 Pendant Mount | DS-1275ZJ-SUS Vertical Pole Mount | DS-1276ZJ-SUS Corner Mount | DS-1280ZJ-DM45 Junction Box |
|---|---|--|--------------------------------------|---|
| | | | | |
| DS-2280ZJ-WA140 Junction Box | DS-2200ZJ-WA-140 Wall Mount | DS-2200ZJ-WAJ-140 Wall Mount | DS-2210ZJ-WA-140 Pendant Mount | DS-1280ZJ-DM45 (Black) Junction Box |
| | | | Ţ | |
| DS-1273ZJ-140-DM45 Wall Mount(Black) | DS-1271ZJ-140-DM45 Pendant Mount(Black) | DS-1275ZJ-SUS Vertical Pole Mount(Black) | DS-1276ZJ-SUS Corner Mount(Black) | |
| | | 2333 | | |

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