## DS-2CD2747G2HT-LIZS

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


- High quality imaging with 4 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
- Motorized varifocal lens for easy installation and monitoring
- Efficient H.265+ compression technology
- Water and dust resistant (IP67) and vandal resistant (IK10)


## - Specification

| Image Sensor | 1/1.8" Progressive Scan CMOS |
| :---: | :---: |
| Max. Resolution | $2688 \times 1520$ |
| Min. Illumination | Color: 0.0008 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: $0^{\circ}$ to $355^{\circ}$, tilt: $0^{\circ}$ to $75^{\circ}$, rotate: $0^{\circ}$ to $355^{\circ}$ |
| Lens |  |
| Lens Type | Varifocal lens, motorized lens, 2.8 to 12 mm |
| Focal Length \& FOV | 2.8 to 12 mm , horizontal FOV $114.6^{\circ}$ to $41.8^{\circ}$, vertical FOV $59.3^{\circ}$ to $23.6^{\circ}$, diagonal FOV $141.3^{\circ}$ to $48.1^{\circ}$ |
| Lens Mount | Integrated |
| Iris Type | Fixed |
| Aperture | Max. F1.2 |
| Depth of Field | 1 m to $\infty$ |
| DORI |  |
| DORI | Wide: D: 60.0m, O: $23.8 \mathrm{~m}, \mathrm{R}: 12.0 \mathrm{~m}, \mathrm{I}: 6.0 \mathrm{~m}$ Tele: D: 149 m, O: 59.1 m, R: 29.8 m, I: 14.9 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 | $\begin{aligned} & 50 \mathrm{~Hz}: 25 \mathrm{fps}(2688 \times 1520,1920 \times 1080,1280 \times 720) \\ & 60 \mathrm{~Hz}: 30 \mathrm{fps}(2688 \times 1520,1920 \times 1080,1280 \times 720) \end{aligned}$ |
| Sub-Stream | $\begin{aligned} & 50 \mathrm{~Hz}: 25 \mathrm{fps}(1280 \times 720,640 \times 480,640 \times 360) \\ & 60 \mathrm{~Hz}: 30 \mathrm{fps}(1280 \times 720,640 \times 480,640 \times 360) \end{aligned}$ |
| Third Stream | $50 \mathrm{~Hz}: 10 \mathrm{fps}(1920 \times 1080,1280 \times 720,640 \times 480,640 \times 360)$ <br> $60 \mathrm{~Hz}: 10 \mathrm{fps}(1920 \times 1080,1280 \times 720,640 \times 480,640 \times 360)$ <br> *Third stream is supported under certain settings. |
| Video Compression | Main stream: H.265/H.264/H.264+/H.265+, <br> Sub-stream: H.265/H.264/MJPEG, <br> Third stream: H.265/H.264, <br> *Third stream is supported under certain settings. |
| 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 |
| 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 $192 \mathrm{Kbps}(\mathrm{MP2L2}) / 8$ to 320 Kbps (MP3) |


| Audio Sampling Rate | $8 \mathrm{kHz} / 16 \mathrm{kHz} / 32 \mathrm{kHz} / 44.1 \mathrm{kHz} / 48 \mathrm{kHz}$ |
| :---: | :---: |
| 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 <br> 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, TLS 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, <br> Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, <br> 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 | $\geq 52 \mathrm{~dB}$ |
| Wide Dynamic Range (WDR) | 130 dB |
| Privacy Mask | 4 programmable polygon privacy masks |
| Interface |  |
| Ethernet Interface | 1 RJ45 $10 \mathrm{M} / 100 \mathrm{M}$ self-adaptive Ethernet port |
| On-Board Storage | Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB |
| Audio | 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp , input impedance: $4.7 \mathrm{~K} \Omega$, 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. $24 \mathrm{VDC} / 24 \mathrm{VAC}, 1 \mathrm{~A}$ ) |
| 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, trigger capture, send email, audible warning, trigger alarm output |
| Deep Learning Function |  |
| Face Capture | Yes |


| Perimeter Protection | Line crossing, intrusion, region entrance, region exiting <br> Support alarm triggering by specified target types (human and vehicle) |
| :--- | :--- |
| General | 12 VDC $\pm 25 \%, 0.88$ A, max. $10.5 \mathrm{~W}, \not, \emptyset 5.5 \mathrm{~mm}$ coaxial power plug, reverse polarity <br> protection, <br> PoE: IEEE $802.3 a f, ~ C l a s s ~ 3, ~ m a x . ~$ |
| Metal |  |

## - 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 <br> anti-corrosion protection is a must. Typical application scenarios include coastlines, <br> docks, chemical plants, and more. |
| Moderate protection | Hikvision products at this level are equipped for use in areas with moderate <br> anti-corrosion demands. Typical application scenarios include coastal areas about 2 <br> 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 <br> anti-corrosion protection is needed. |

## - Available Model

## DS-2CD2747G2HT-LIZS(2.8-12)/eF/Black

## - Dimension



## - Accessory

- Optional

| DS-1273ZJ-140-DM45 <br> Wall Mount | $\begin{aligned} & \text { DS-1271ZJ-140-DM45 } \\ & \text { Pendant Mount } \end{aligned}$ | DS-1275ZJ-SUS <br> Vertical Pole Mount | DS-1276ZJ-SUS <br> Corner Mount | DS-1280ZJ-DM45 Junction Box |
| :---: | :---: | :---: | :---: | :---: |
| $\sqrt{5}$ | $\mathscr{H}$ | $\begin{array}{rl}  \\ 0 & 2 \\ B \end{array}$ |  |  |
| $\begin{aligned} & \text { DS-2280ZJ-WA140 } \\ & \text { Junction Box } \end{aligned}$ | DS-2200ZJ-WA-140 <br> Wall Mount | DS-2200ZJ-WAJ-140 <br> Wall Mount | DS-2210ZJ-WA-140 <br> Pendant Mount | $\begin{gathered} \text { DS-1280ZJ-DM45 } \\ \text { (Black) } \\ \text { Junction Box } \end{gathered}$ |
|  |  |  |  |  |
| $\begin{aligned} & \text { DS-1273ZJ-140-DM45 } \\ & \text { Wall Mount(Black) } \end{aligned}$ | $\begin{gathered} \text { DS-1271ZJ-140-DM45 } \\ \text { Pendant } \\ \text { Mount(Black) } \end{gathered}$ | DS-1275ZJ-SUS <br> Vertical Pole <br> Mount(Black) | $\begin{gathered} \text { DS-1276ZJ-SUS } \\ \text { Corner Mount(Black) } \end{gathered}$ |  |
|  | $\mathbb{B}$ |  | D |  |

## Headquarters

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