

## DS-2CD2H23G2-IZS

### 2 MP EXIR Motorized Varifocal Turret Network Camera



- High quality imaging with 2 MP resolution
- Motorized varifocal lens for easy installation and monitoring
- Clear imaging against strong backlight due to 120 dB WDR technology
- Efficient H.265+ compression technology
- Water and dust resistant (IP67) and vandal resistant (IK10)



## ▪ Specification

| Camera                      |                                                                                                         |
|-----------------------------|---------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/2.8" Progressive Scan CMOS                                                                            |
| Min. Illumination           | Color: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR on                                                     |
| Shutter Speed               | 1/3 s to 1/100,000 s                                                                                    |
| Slow Shutter                | Yes                                                                                                     |
| P/N                         | P/N                                                                                                     |
| Wide Dynamic Range          | 120 dB                                                                                                  |
| Day & Night                 | ICR Cut                                                                                                 |
| Angle Adjustment            | Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°                                                    |
| Lens                        |                                                                                                         |
| Lens Type & FOV             | 2.8 to 12 mm, horizontal FOV 106.6° to 31.7°, vertical FOV 54.7° to 17.7°, diagonal FOV 130.3° to 36.4° |
| Aperture                    | F1.6                                                                                                    |
| Lens Mount                  | Ø14                                                                                                     |
| DORI                        |                                                                                                         |
| DORI                        | 2.8 to 12 mm: D: 44.1 m to 137.9 m, O: 17.5 m to 54.7 m, R: 8.8 m to 27.5 m, I: 4.4 m to 13.8 m         |
| Illuminator                 |                                                                                                         |
| IR Range                    | Up to 40 m                                                                                              |
| Wavelength                  | 850 nm                                                                                                  |
| Video                       |                                                                                                         |
| Max. Resolution             | 1920 × 1080                                                                                             |
| Main Stream                 | 50Hz: 25 fps (1920 × 1080, 1280 × 720)<br>60Hz: 30 fps (1920 × 1080, 1280 × 720)                        |
| Sub Stream                  | 50Hz: 25 fps (640 × 480, 640 × 360)<br>60Hz: 30 fps (640 × 480, 640 × 360)                              |
| Third Stream                | 50Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)<br>60Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)      |
| 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    |
| Video Bit Rate              | 32 Kbps to 8 Mbps                                                                                       |
| H.264 Type                  | Baseline Profile/Main Profile/High Profile                                                              |
| H.265 Type                  | Main Profile                                                                                            |
| H.264+                      | Main Stream supports                                                                                    |
| H.265+                      | Main Stream supports                                                                                    |
| Bit Rate Control            | CBR/VBR                                                                                                 |
| Scalable Video Coding (SVC) | Yes                                                                                                     |
| Region of Interest (ROI)    | 1 fixed region for main stream and sub-stream                                                           |
| Audio                       |                                                                                                         |
| Environment Noise Filtering | Yes                                                                                                     |
| Audio Sampling Rate         | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz                                                                     |
| Audio Compression           | G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC                                                     |

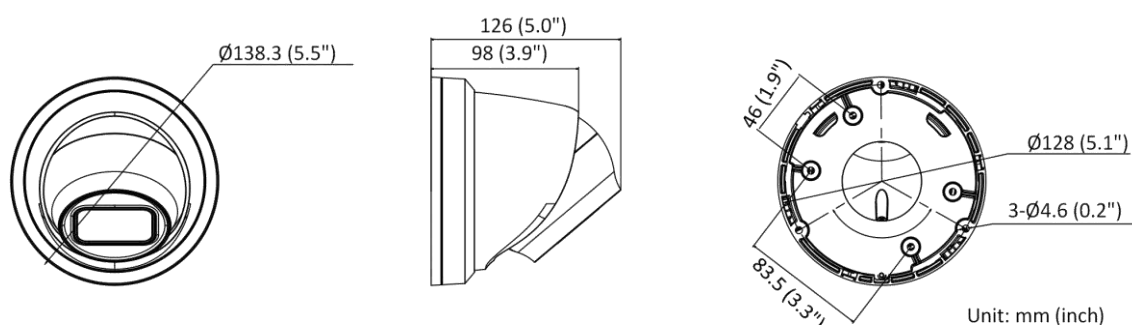
|                          |                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Audio Bit Rate           | 64Kbps(G.711ulaw/G.711alaw)/16Kbps(G.722.1)/16Kbps(G.726)/16Kbps-64Kbps(AAC)/32-192Kbps(MP2L2)/8-320Kbps(MP3)                                                                                                                                                                                                                                           |
| <b>Network</b>           |                                                                                                                                                                                                                                                                                                                                                         |
| Simultaneous Live View   | Up to 6 channels                                                                                                                                                                                                                                                                                                                                        |
| API                      | Open Network Video Interface (Profile S, Profile G), ISAPI, SDK                                                                                                                                                                                                                                                                                         |
| Protocols                | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, PPPoE                                                                                                                                                                                                                      |
| User/Host                | Up to 32 users. 3 user levels: administrator, operator and user                                                                                                                                                                                                                                                                                         |
| Security                 | Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface                                                                                                                        |
| Network Storage          | MicroSD/SDHC/SDXC card (256 GB) local storage, and 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+<br>Local service: Chrome 57.0+, Firefox 52.0+                                                                                                                                                                                                          |
| <b>Image</b>             |                                                                                                                                                                                                                                                                                                                                                         |
| Day/Night Switch         | Day, Night, Auto, Schedule                                                                                                                                                                                                                                                                                                                              |
| Image Enhancement        | BLC, HLC, 3D DNR                                                                                                                                                                                                                                                                                                                                        |
| Image Parameters Switch  | Yes                                                                                                                                                                                                                                                                                                                                                     |
| Image Settings           | Rotate, mirror, privacy masks, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser                                                                                                                                                                                                            |
| <b>Interface</b>         |                                                                                                                                                                                                                                                                                                                                                         |
| Audio                    | 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 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. 12 VDC, 30 mA)                                                                                                                                                                                                                                                                                                                  |
| On-board Storage         | Built-in micro SD, up to 256 GB                                                                                                                                                                                                                                                                                                                         |
| Hardware Reset           | Yes                                                                                                                                                                                                                                                                                                                                                     |
| Communication Interface  | 1 RJ45 10M/100M self-adaptive Ethernet port                                                                                                                                                                                                                                                                                                             |
| <b>Smart Feature-Set</b> |                                                                                                                                                                                                                                                                                                                                                         |
| Basic Event              | Motion detection (human and vehicle), video tampering alarm, exception                                                                                                                                                                                                                                                                                  |
| Smart Event              | Line crossing detection, intrusion detection                                                                                                                                                                                                                                                                                                            |
| Face Detection           | Yes                                                                                                                                                                                                                                                                                                                                                     |
| <b>General</b>           |                                                                                                                                                                                                                                                                                                                                                         |
| Linkage Method           | Upload to FTP/memory card/NAS, notify surveillance center, trigger record, trigger capture, Email                                                                                                                                                                                                                                                       |
| Web Client Language      | 33 languages<br>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-flicker, heartbeat, password reset via e-mail, pixel counter                                                                                                                                                                                                                                                                                       |

|                                  |                                                                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Software Reset                   | Yes                                                                                                                                                                                                                    |
| 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)                                                                                                                                              |
| Power Supply                     | 12 VDC $\pm$ 25%, reverse polarity protection<br>PoE: 802.3af, Class 3                                                                                                                                                 |
| Power Consumption and Current    | 12 VDC, 0.92 A, max. 11 W<br>PoE: (802.3af, 36 V to 57 V), 0.35 A to 0.22 A, max. 12.5 W                                                                                                                               |
| Power Interface                  | $\varnothing$ 5.5 mm coaxial power plug                                                                                                                                                                                |
| Material                         | Aluminum alloy body                                                                                                                                                                                                    |
| Camera Dimension                 | $\varnothing$ 138.3 $\times$ 126 mm ( $\varnothing$ 5.4" $\times$ 5.0")                                                                                                                                                |
| Package Dimension                | 170 $\times$ 170 $\times$ 150 mm (6.7" $\times$ 6.7" $\times$ 5.9")                                                                                                                                                    |
| Camera Weight                    | Approx. 830 g (1.8 lb.)                                                                                                                                                                                                |
| With Package Weight              | Approx. 1115 g (2.5 lb.)                                                                                                                                                                                               |
| <b>Approval</b>                  |                                                                                                                                                                                                                        |
| EMC                              | FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015) |
| Safety                           | UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015)                                                          |
| Environment                      | CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)                                                                                                                                          |
| Protection                       | IP67 (IEC 60529-2013), IK10 (IEC 62262: 2002)                                                                                                                                                                          |

## ▪ Available Model

DS-2CD2H23G2-IZS (2.8 to 12 mm)

## ▪ Dimension



▪ **Accessory**

▪ **Optional**

| DS-1271ZJ-140<br>Pendant Mount                                                    | DS-1273ZJ-140<br>Wall Mount                                                        |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|  |  |

Distributed by



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