

## DS-2CD2523G0-I(W)(S) 2 MP IR Fixed Mini Dome Network Camera



### Key Features

- 1920 × 1080@30fps
- IR: Up to 10 m
- H.265+. H.265
- 120dB WDR
- Built-in Micro SD/SDHC/SDXC slot, up to 128G
- PoE
- BLC/3D DNR/HLC/ROI
- Wi-Fi (Optional)



## Specifications

| <b>Camera</b>               |  |
|-----------------------------|--|
| Image Sensor                | 1/2.7" Progressive Scan CMOS   |
| Min. Illumination           | Color: 0.01 Lux @ (F1.2, AGC ON), 0.028 lux @(F2.0, AGC ON), 0 lux with IR   |
| Shutter Speed               | 1/3 s to 1/100,000 s   |
| Slow Shutter                | Yes  |
| Day & Night                 | IR Cut Filter  |
| Digital Noise Reduction     | 3D DNR   |
| WDR                         | 120dB  |
| 3-Axis Adjustment           | Pan: -30° to +30°, tilt: 0° to 75°, rotate: 0° to 360°   |
| <b>Lens</b>                 |  |
| Focal length                | 2.8, 4, 6 mm   |
| Aperture                    | F2.0   |
| FOV                         | 2.8 mm, Horizontal field of view: 114°, Vertical field of view: 62°, Diagonal field of view: 135°<br>4 mm, Horizontal field of view: 86°, Vertical field of view: 46°, Diagonal field of view: 102°<br>6 mm, Horizontal field of view: 54°, Vertical field of view: 30°, Diagonal field of view: 62° |
| Lens Mount                  | M12  |
| <b>IR</b>                   |  |
| IR Range                    | Up to 10 m   |
| Wavelength                  | 850nm  |
| <b>Compression Standard</b> |  |
| Video Compression           | Main stream: H.265/H.264<br>Sub-stream: H.265/H.264 /MJPEG<br>Third stream: H.265/H.264  |
| H.264 Type                  | Main Profile/High Profile  |
| H.264+                      | Main stream supports   |
| H.265 Type                  | Main Profile   |
| H.265+                      | Main stream supports   |
| Video Bit Rate              | 32 Kbps to 16 Mbps   |
| Audio Compression (-S)      | G722.1/G.711/G726/MP2L2/PCM/MP3  |
| Audio Bit Rate (-S)         | 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/8Kbps-320Kbps(MP3)   |
| <b>Smart Feature-set</b>    |  |
| Smart Event                 | Line crossing detection, intrusion detection, face detection   |
| Basic Event                 | Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)   |
| Linkage Method              | Trigger recording: memory card, network storage, pre-record and post-record<br>Trigger captured pictures uploading: FTP, HTTP, NAS, Email<br>Trigger notification: HTTP, ISAPI, alarm output (-S), Email   |
| Region of Interest          | Support 1 fixed region for main stream and sub-stream separately   |
| <b>Image</b>                |  |
| Max. Resolution             | 1920 × 1080  |
| Main Stream                 | 50Hz:25fps (1920 × 1080, 1280 × 960, 1280 × 720)<br>60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)  |
| Sub-Stream                  | 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240)<br>60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)   |

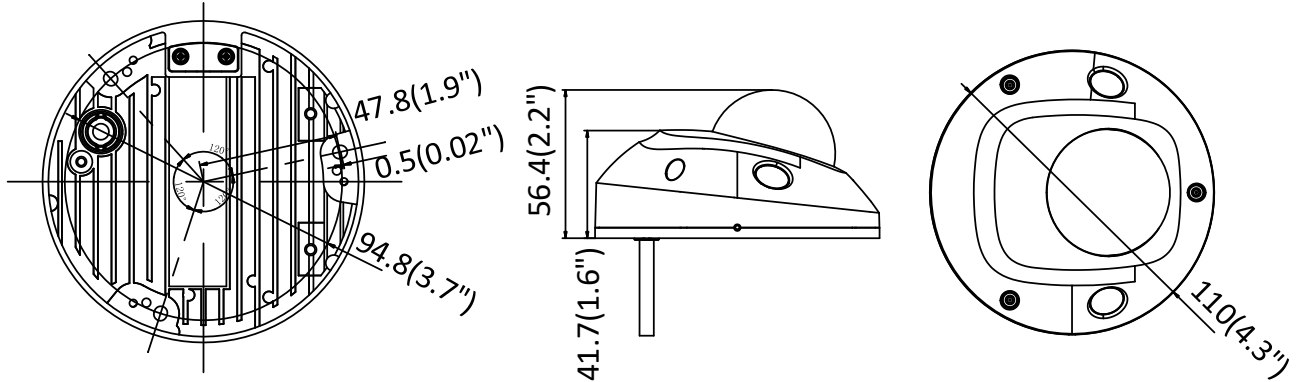
|                             |   |
|-----------------------------|---|
| Third Stream                | 50Hz: 25fps (1920 × 1080, 1280 × 720, 640 × 360, 352 × 288)<br>60Hz: 30fps (1920 × 1080, 1280 × 720, 640 × 360, 352 × 240)  |
| Image Setting               | Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance adjustable by client software or web browser   |
| Image Enhancement           | BLC/3D DNR/HLC  |
| Day/Night Switch            | Auto/Schedule/Day/Night/Triggered by Alarm In (-S)  |
| <b>Network</b>              |   |
| Network Storage             | Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR   |
| Protocols                   | TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS   |
| General Function            | Anti-flicker, three streams, heartbeat, mirror, privacy masks, password reset via e-mail, pixel counter, HTTP listening   |
| API                         | ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, Ehome  |
| Security                    | Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, TLS1.2 |
| Simultaneous Live View      | Up to 6 channels  |
| User/Host                   | Up to 32 users<br>3 levels: Administrator, Operator and User  |
| Client                      | iVMS-4200, Hik-Connect, Hik-Central   |
| Web Browser                 | Plug-in required live view: IE8+<br>Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+<br>Local Service: Chrome 41.0+, Firefox 30.0+   |
| <b>Interface</b>            |   |
| Audio (-S model)            | 2 Inputs: line in, or mic in (built-in microphone), 1 Output: line out, mono sound, terminal block  |
| Alarm (-S model)            | 1 Input: Alarm in, 1 Output: Alarm out (max. 12 VDC, 30 mA), terminal block   |
| Communication Interface     | 1 RJ45 10M/100M self-adaptive Ethernet port   |
| On-board storage            | Built-in MicroSD/SDHC/SDXC slot, up to 128G   |
| SVC                         | Support H.264 and H.265 encoding  |
| Reset Button                | Yes   |
| <b>Wi-Fi (-W Model )</b>    |   |
| Wireless Standards          | IEEE 802.11b/g/n  |
| Frequency Range             | 2.412 GHz to 2.4835 GHz   |
| Channel Bandwidth           | 20M/40M   |
| Protocols                   | 802.11b: DQPSK, DBPSK, CCK<br>802.11g/n: OFDM /64-QAM,16-QAM, QPSK, BPSK  |
| Security                    | WPA, WPA2   |
| Transfer Rates              | 11b: 11Mbps, 11g: 54Mbps, 11n: up to 150Mbps  |
| Wireless Range              | 50 m  |
| <b>Audio (-S model)</b>     |   |
| Environment Noise Filtering | Yes   |
| Audio Sampling Rate         | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz   |
| <b>General</b>              |   |
| Operating Conditions        | -30 °C to +60 °C (-22 °F to +140 °F), Humidity 95% or less (non-condensing)   |
| Web Client Language         | 32 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)  |
| Power Supply                  | 12 VDC $\pm$ 25%, PoE (802.3af, class 3)   |
| Power Consumption and Current | 12 VDC, 0.7 A, max. 8.5 W, $\Phi$ 5.5mm coaxial plug power<br>PoE (802.3af, 36 V to 57 V), 0.3 A to 0.1 A, max. 10 W |
| Protection Level              | IK08, IP66   |
| Material                      | Front cover: plastic, Bottom base: metal   |
| Dimensions                    | $\Phi$ 110 mm $\times$ 56.4 mm ( $\Phi$ 4.3" $\times$ 2.2")  |
| Weight                        | Camera: Approx. 400 g (0.9 lb.)  |

### Available Model

DS-2CD2523G0-I (2.8/4/6 mm), DS-2CD2523G0-IS (2.8/4/6 mm),  
DS-2CD2523G0-IW (2.8/4/6 mm), DS-2CD2523G0-IWS (2.8/4/6 mm)

**Dimension**



**Accessory**



**DS-1280ZJ-DM46**  
Junction Box



**DS-1280ZJ-DM46(Black)**  
Junction Box

Distributed by



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