

## DS-2CD2123G0-I(S) 2 MP IR Fixed Dome Network Camera



### Key Features

- 1/2.8" Progressive Scan CMOS
- 1920 × 1080@30fps
- 2.8/4/6/8 mm fixed lens
- Color: 0.01 Lux @ (F1.2, AGC ON), 0.028 Lux @ (F2.0, AGC ON), 0 Lux with IR
- H.265+, H.265, H.264+, H.264
- Three streams
- 120dB WDR
- 2 Behavior analyses, and face detection
- BLC/3D DNR/ROI/HLC
- IP67, IK10
- Built-in micro SD/SDHC/SDXC card slot, up to 128 GB
- 3-Axis adjustment



## Specifications

| <b>Camera</b>               |                                                                                                                                                                                                                                                                               |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/2.8" 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: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°                                                                                                                                                                                                                          |
| <b>Lens</b>                 |                                                                                                                                                                                                                                                                               |
| Focal length                | 2.8/4/6/8 mm                                                                                                                                                                                                                                                                  |
| Aperture                    | F2.0                                                                                                                                                                                                                                                                          |
| Focus                       | Fixed                                                                                                                                                                                                                                                                         |
| FOV                         | 2.8 mm, horizontal FOV: 114°, vertical FOV: 62°, diagonal FOV: 135°<br>4 mm, horizontal FOV: 86°, vertical FOV: 46°, diagonal FOV: 102°<br>6 mm, horizontal FOV: 54°, vertical FOV: 30°, diagonal FOV: 62°<br>8 mm, horizontal FOV: 43°, vertical FOV: 23°, diagonal FOV: 50° |
| Lens Mount                  | M12                                                                                                                                                                                                                                                                           |
| <b>IR</b>                   |                                                                                                                                                                                                                                                                               |
| IR Range                    | Up to 30 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          | 1 fixed region for main stream and sub-stream                                                                                                                                                                                                                                 |
| <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)                                                                                                                                                                        |

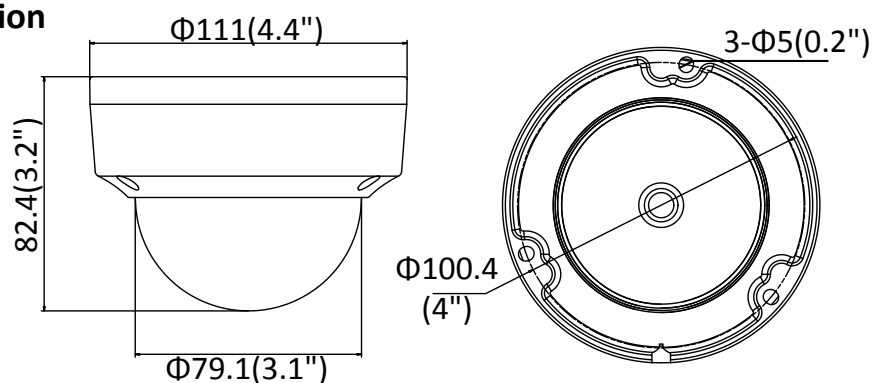
|                               |                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 Enhancement             | BLC/3D DNR/HLC                                                                                                                                                                                                                                                                                                                               |
| Image Setting                 | Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance adjustable by client software or web browser                                                                                                                                                                                                                |
| Target Cropping               | No                                                                                                                                                                                                                                                                                                                                           |
| Day/Night Switch              | Day/Night/Auto/Schedule/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)                    | 1 input (line in/mic in), 1 output (line out), terminal block, mono sound                                                                                                                                                                                                                                                                    |
| Communication Interface       | 1 RJ45 10M/100M self-adaptive Ethernet port                                                                                                                                                                                                                                                                                                  |
| Alarm (-S)                    | 1 input, 1 output (max. 12 VDC, 30 mA), terminal block                                                                                                                                                                                                                                                                                       |
| Video Output                  | No                                                                                                                                                                                                                                                                                                                                           |
| On-board storage              | Built-in Micro SD/SDHC/SDXC slot, up to 128 GB                                                                                                                                                                                                                                                                                               |
| SVC                           | H.264 and H.265 encoding                                                                                                                                                                                                                                                                                                                     |
| Reset Button                  | Yes                                                                                                                                                                                                                                                                                                                                          |
| <b>Audio (-S)</b>             |                                                                                                                                                                                                                                                                                                                                              |
| Environment Noise Filtering   | Yes                                                                                                                                                                                                                                                                                                                                          |
| Audio Sampling Rate           | 8kHz/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 ± 25%, Ø 5.5 mm coaxial power plug<br>PoE (802.3af, class 3)                                                                                                                                                                                                                                                                          |
| Power Consumption and Current | 12 VDC, 0.5 A, max. 6 W<br>PoE (802.3af, 36 V to 57 V), 0.2 A to 0.1 A, max. 7.5 W                                                                                                                                                                                                                                                           |
| Protection Level              | IP67, IK10                                                                                                                                                                                                                                                                                                                                   |

|            |                                                                                                                                             |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Material   | Camera body: metal, bubble: plastic                                                                                                         |
| Dimensions | Camera: $\Phi 111 \times 82.4$ mm ( $\Phi 4.4" \times 3.2"$ )<br>Package: $134 \times 134 \times 108$ mm ( $5.3" \times 5.3" \times 4.3"$ ) |
| Weight     | Camera: Approx. 610 g (1.3 lb.)<br>With Package: Approx. 820 g (1.8 lb.)                                                                    |

## Available Model:

DS-2CD2123G0-I (2.8/4/6/8 mm), DS-2CD2123G0-IS (2.8/4/6/8 mm)

## Dimension



Unit: mm (inch)

## Accessory



Inclined Ceiling Mount  
DS-1259ZJ



Wall Mount  
DS-1272ZJ-110



Wall Mount + Junction Box  
DS-1272ZJ-110B



Pendant Mount  
DS-1271ZJ-110



Junction Box  
DS-1280ZJ-DM18



Corner Mount  
DS-1276ZJ-SUS



Vertical Pole Mount  
DS-1275ZJ



Rain-proof Cap  
DS-1250ZJ



Wall Mount  
DS-1258ZJ



Inclined Ceiling Mount  
DS-1259ZJ(Black)



Pendant Mount  
DS-1271ZJ-110(Black)



Wall Mount  
DS-1272ZJ-110(Black)



Corner Mount  
DS-1276ZJ-SUS(Black)



Junction Box  
DS-1280ZJ-DM18(Black)



Wall Mount  
DS-1258ZJ(Black)



Vertical Pole Mount  
DS-1275ZJ-SUS(Black)

Distributed by



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