

## DS-2CD2083G0-I 8 MP IR Fixed Bullet Network Camera



### Key Features

- 1/2.5" Progressive Scan CMOS
- 3840 × 2160 @15 fps
- 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
- 2 Behavior analyses
- 120dB WDR
- BLC/3D DNR/ROI/HLC
- IP67
- Built-in micro SD/SDHC/SDXC card slot, up to 128 GB



## Specifications

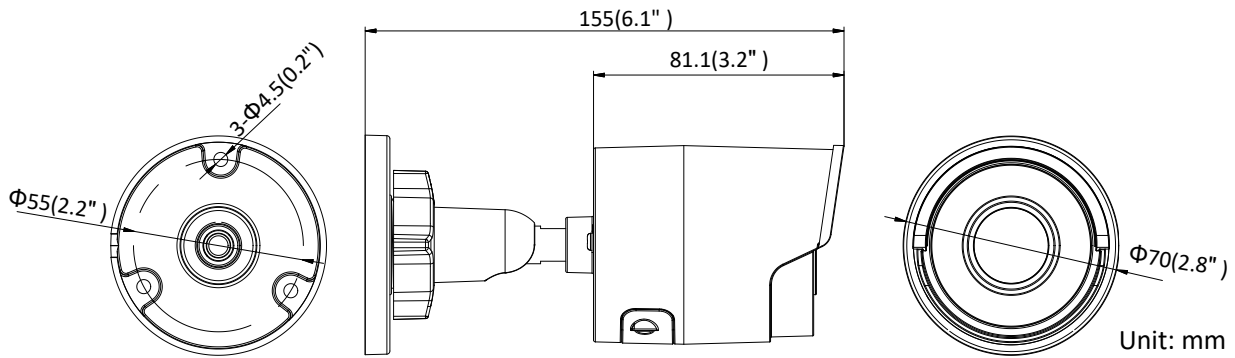
| <b>Camera</b>               |  |
|-----------------------------|--|
| Image Sensor                | 1/2.5" Progressive Scan CMOS   |
| Min. Illumination           | Color: 0.01 lux @(F1.2, AGC ON), 0.028 lux @(F2.0, AGC ON), 0 lux with IR  |
| Shutter Speed               | 1/3 s to 1/100,000 s   |
| Slow Shutter                | Yes  |
| Auto-Iris                   | No   |
| Day & Night                 | IR Cut Filter  |
| Digital Noise Reduction     | 3D DNR   |
| WDR                         | 120dB  |
| 3-Axis Adjustment           | Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°   |
| <b>Lens</b>                 |  |
| Focal Length                | 2.8/4/6/8 mm   |
| Aperture                    | F2.0   |
| Focus                       | Fixed  |
| FOV                         | 2.8 mm, horizontal FOV: 102°, vertical FOV: 53°, diagonal FOV: 124°<br>4 mm, horizontal FOV: 79°, vertical FOV: 42°, diagonal FOV: 95°<br>6 mm, horizontal FOV: 50°, vertical FOV: 28°, diagonal FOV: 59°<br>8 mm, horizontal FOV: 40°, vertical FOV: 25°, diagonal FOV: 53° |
| 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   |
| <b>Smart Feature-set</b>    |  |
| Behavior Analysis           | Line crossing detection, intrusion detection   |
| Face Detection              | Yes  |
| Region of Interest          | Support 1 fixed region for main stream and sub-stream  |
| <b>Image</b>                |  |
| Max. Resolution             | 3840 × 2160  |
| Main Stream                 | 50Hz: 12.5 fps (3840 × 2160), 20fps (3072 × 1728), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720)<br>60Hz: 15 fps (3840 × 2160), 20fps (3072 × 1728), 30 fps (2560 × 1440, 1920 × 1080, 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 (1280 × 720, 640 × 360, 352 × 288)<br>60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240)   |
| Image Enhancement           | BLC/3D DNR/HLC   |

|   |   |
|---|---|
| Image Settings  | Saturation, brightness, contrast, sharpness and white balance adjustable by client software or web browser                                    |
| Target Cropping   | No  |
| Day/Night Switch  | Day/Night/Auto/Schedule   |
| *Note: When the main stream resolution is 3840 × 2160, max frame rate is 12.5 fps (50Hz)/15 fps (60Hz) for all streams. When the main stream resolution is 3072 × 1728, max frame rate is 20 fps for all streams. |   |
| <b>Network</b>  |   |
| Network Storage   | Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR   |
| Alarm Trigger   | Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD full, HDD error                              |
| Protocols   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour              |
| General Function  | One-key reset, anti-flicker, three streams, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter                |
| Firmware Version  | V5.5.80   |
| API   | ONVIF (PROFILE S, PROFILE G), ISAPI   |
| 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, iVMS-5200, iVMS-4500  |
| Web Browser   | Plug-in required live view:<br>IE8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11<br>Plug-in free live view:<br>Chrome 45.0+, Firefox 52.0+ |
| <b>Interface</b>  |   |
| Video Output  | No  |
| Communication Interface   | 1 RJ45 10M/100M self-adaptive Ethernet port   |
| On-board Storage  | Built-in microSD/SDHC/SDXC slot, up to 128 GB   |
| SVC   | H.264 and H.265 encoding support  |
| Reset Button  | Yes   |
| <b>General</b>  |   |
| Operating Conditions  | -30 °C to +60 °C (-22 °F to +140 °F), humidity 95% or less (non-condensing)   |
| Power Supply  | 12 VDC ± 25%, Φ 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  |
| Material  | Metal   |
| Dimensions  | Camera: Φ 70 mm × 155 mm (Φ 2.8" × 6.1")<br>Package: 216 × 121 × 118 mm (8.5" × 4.8" × 4.7")  |
| Weight  | Camera: approx. 410 g (0.9 lb.)   |

## Available Model:

DS-2CD2083G0-I (2.8/4/6/8 mm)

## Dimension



## Accessory



**DS-1280ZI-XS**  
Junction Box

Distributed by



# HIKVISION®

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