

## DS-2CD2085G1-I 8 MP IR Fixed Bullet Network Camera



### Key Features

- Up to 8 megapixel high resolution
- Max. 3840 × 2160 @20fps
- 2.8 mm/4 mm/6 mm fixed lens, optional
- H.265, H.265+, H.264+, H.264
- 120dB WDR
- Powered by Darkfighter
- 12 VDC & PoE (802.3af, class 3)
- IR range: Up to 30 m
- Support on-board storage, up to 128 GB
- IP67, IK10
- BLC/3D DNR/ROI/HLC
- Color: 0.008 Lux @ (F1.2, AGC ON), 0.014 Lux @ (F1.6, AGC ON)



## Specification

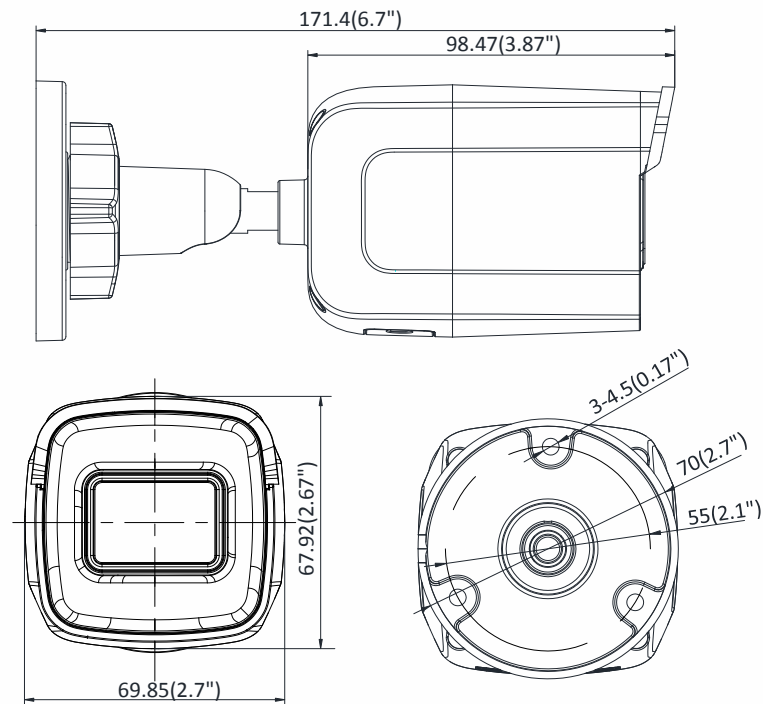
| <b>Camera</b>  |   |
|--|---|
| Image Sensor   | 1/2" Progressive Scan CMOS  |
| Min. Illumination  | Color: 0.008 Lux @ (F1.2, AGC ON), 0.014 Lux @ (F1.6, AGC ON)   |
| Shutter Speed  | 1/3 s to 1/100,000 s  |
| Slow Shutter   | Yes   |
| Focal length   | 2.8/4/6 mm  |
| Focus  | Fixed   |
| Lens   | 2.8 mm, horizontal FOV: 102°, vertical FOV: 55°, diagonal FOV: 120°<br>4 mm, horizontal FOV: 78°, vertical FOV: 43°, diagonal FOV: 92°<br>6 mm, horizontal FOV: 50°, vertical FOV: 27°, diagonal FOV: 59° |
| Lens Mount   | M16   |
| Aperture   | F1.6  |
| Day & Night  | IR cut filter   |
| DNR  | 3D DNR  |
| Wide Dynamic Range   | 120dB   |
| 3-Axis Adjustment  | Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°  |
| <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>Image</b>   |   |
| Max. Resolution  | 3840 × 2160   |
| Main Stream  | 50Hz: 20 fps (3840 × 2160), 25 fps (3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)<br>60Hz: 20 fps (3840 × 2160), 30fps (3072 × 1728, 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 Setting  | Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance adjustable by client software or web browser   |
| ROI (Region of Interest)   | Support 1 fixed region for main stream and sub-stream separately  |
| Day/Night Switch   | Day/Night/Auto/Schedule   |
| *Note: When the main stream resolution is 3840 × 2160, max frame rate is 20 fps for all streams. |   |
| <b>Network</b>   |   |
| Network Storage  | Support micro SD/SDHC/SDXC card (128G) local storage, 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  |
| 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>         |  |
| Communication Interface  | 1 RJ45 10M/100M self-adaptive Ethernet port  |
| On-board Storage         | Built-in micro SD/SDHC/SDXC slot, up to 128 GB   |
| Reset Button             | Yes  |
| <b>Smart Feature-set</b> |  |
| Smart Event              | Line crossing detection, intrusion detection, unattended baggage detection, object removal detection, face detection, scene change 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, Email  |
| <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%, 5.5 mm coaxial power plug<br>PoE (802.3af, class 3)  |
| Power Consumption        | 12 VDC, 0.5 A, max: 6 W<br>PoE: (802.3af, 36 VDC to 57 VDC), 0.3 A to 0.2 A, max: 7.5 W  |
| IR Range                 | Up to 30 m   |
| Wavelength               | 850 nm   |
| Protection Level         | IP67, IK10   |
| Material                 | Front cover: metal, back cover: metal, sun shield: plastic   |
| Dimensions               | Camera: 70 × 68 × 171 mm (2.8" × 2.7" × 6.7")  |
| Weight                   | Camera: 400 g (0.9 lb.)<br>With package: 700 g (1.5 lb.)   |

## Available Model

DS-2CD2085G1-I (2.8/4/6 mm)

## Dimension



Unit: mm(inch)

## Accessory



DS-1280ZJ-XS  
Junction Box



DS-1280ZJ-XS(Black)  
Junction Box

Distributed by



# HIKVISION®

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