

## DS-2CD2T85G1-I5/I8 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)
- Support on-board storage, up to 128 GB
- IP67
- BLC/3D DNR/ROI/HLC
- Color: 0.008 Lux @ (F1.2, AGC ON), 0.014 Lux @ (F1.6, AGC ON)



## Specification

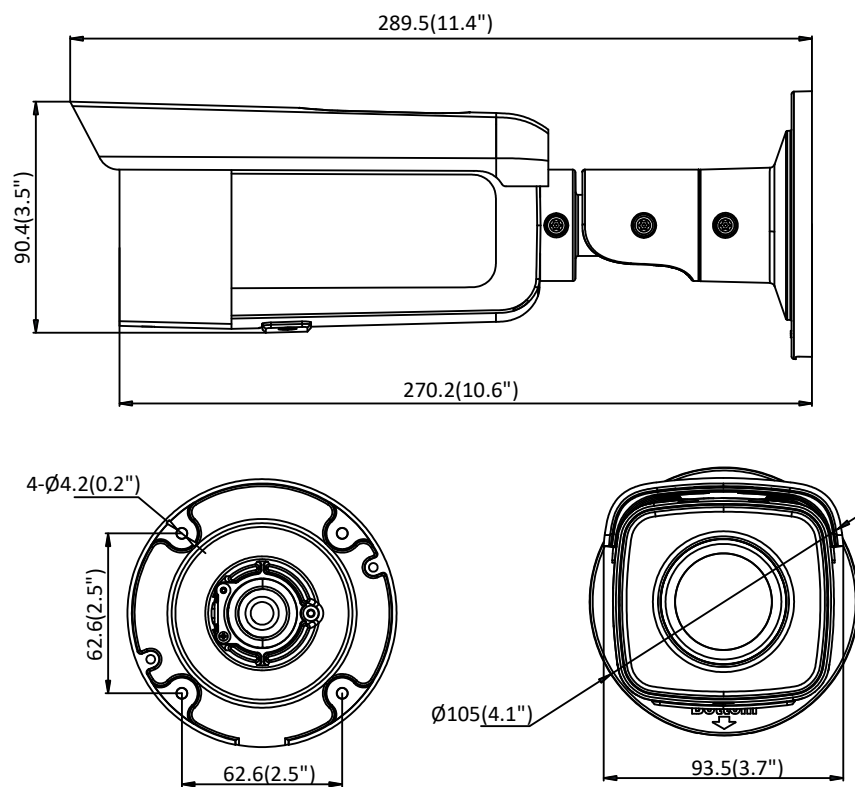
| <b>Camera</b>                                                                                    |                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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: 110.7°, vertical FOV: 59.1°, diagonal FOV: 131°<br>4 mm, horizontal FOV: 87.1°, vertical FOV: 47.4°, diagonal FOV: 101.8°<br>6 mm, horizontal FOV: 50.8°, vertical FOV: 27.6°, diagonal FOV: 60° |
| 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), 30 fps (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, WebSocket, WebSockets                                               |
| 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 $\pm$ 25%, 5.5 mm coaxial power plug<br>PoE (802.3af, class 3)                                                                                                                                                                                                                                                                        |
| Power Consumption        | -I5:<br>12 VDC, 0.7 A, max: 9 W<br>PoE: (802.3af, 36 VDC to 57 VDC), 0.4 A to 0.2 A, max: 11 W<br>-I8:<br>12 VDC, 1 A, max: 11 W<br>PoE: (802.3af, 36 VDC to 57 VDC), 0.4 A to 0.2 A, max: 12.9 W                                                                                                                                            |
| IR Range                 | -I5: Up to 50 m<br>-I8: Up to 80 m                                                                                                                                                                                                                                                                                                           |
| Wavelength               | 850 nm                                                                                                                                                                                                                                                                                                                                       |
| Protection Level         | IP67                                                                                                                                                                                                                                                                                                                                         |
| Material                 | Front cover: metal, back cover: metal                                                                                                                                                                                                                                                                                                        |
| Dimensions               | Camera: $\Phi 105 \times 289.5$ mm (4.1" $\times$ 11.4")                                                                                                                                                                                                                                                                                     |
| Weight                   | Camera: 1000 g (2.2 lb.)<br>With package: 1500 g (3.3 lb.)                                                                                                                                                                                                                                                                                   |

## Available Model

DS-2CD2T85G1-I5 (2.8/4/6 mm), DS-2CD2T85G1-I8 (2.8/4/6 mm)

## Dimension



Unit: mm(inch)

## Accessory



DS-1260ZJ  
Junction Box



DS-1275ZJ-S-SUS  
Vertical Pole Mount



DS-1276ZJ-SUS  
Corner Mount



DS-1260ZJ(Black)  
Junction Box



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



DS-1276ZJ-SUS(Black)  
Corner Mount

Distributed by



**HIKVISION®**

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