

## DS-2CD2T45FWD-I5/I8 4 MP IR Fixed Bullet Network Camera



### Key Features

- 1/2.5" Progressive Scan CMOS
- 2688 × 1520 @30 fps
- 2.8, 4, 6, 8, 12 mm fixed lens
- H.265+, H.265, H.264+, H.264
- 4 Behavior analyses
- 120dB WDR
- Powered by Darkfighter
- IR range: 50 m, 80 m, optional
- BLC/3D DNR/ROI/HLC
- IP67
- Built-in microSD/SDHC/SDXC card slot, up to 128 GB
- Color: 0.008 lux @(F1.2, AGC ON), 0.014 lux @(F1.6, AGC ON), 0 lux with IR



## Specifications

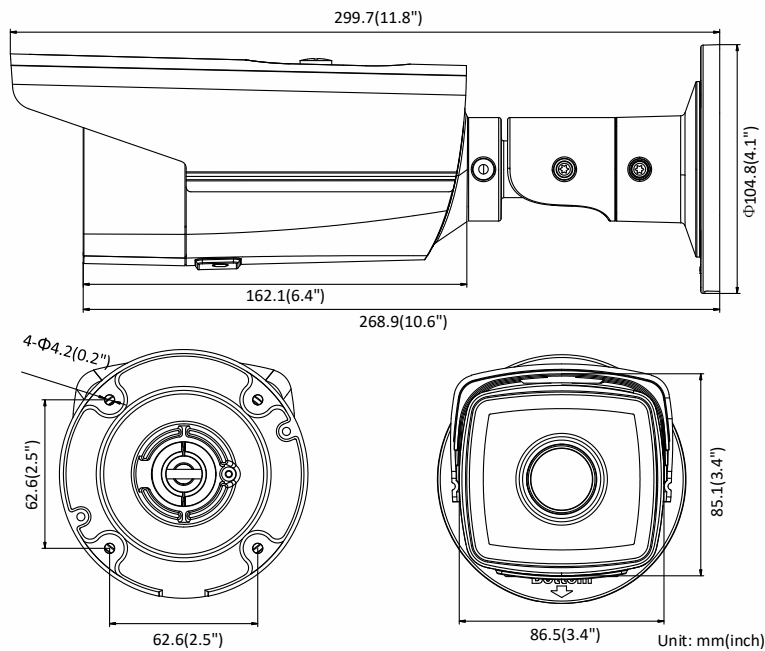
| <b>Camera</b>               |                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/2.5" Progressive Scan CMOS                                                                                                                                                                                                                                                                                                                      |
| Min. Illumination           | Color: 0.008 lux @(F1.2, AGC ON), 0.014 lux @(F1.6, 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 360°, tilt: 0° to 100°, rotate: 0° to 360°                                                                                                                                                                                                                                                                                             |
| <b>Lens</b>                 |                                                                                                                                                                                                                                                                                                                                                   |
| Focal Length                | 2.8, 4, 6, 8, 12 mm                                                                                                                                                                                                                                                                                                                               |
| Aperture                    | F1.6                                                                                                                                                                                                                                                                                                                                              |
| Focus                       | Fixed                                                                                                                                                                                                                                                                                                                                             |
| FOV                         | 2.8 mm, horizontal FOV: 109°, vertical FOV: 60°, diagonal FOV: 131°<br>4 mm, horizontal FOV: 88°, vertical FOV: 46°, diagonal FOV: 105°<br>6 mm, horizontal FOV: 53°, vertical FOV: 30°, diagonal FOV: 61°<br>8 mm, horizontal FOV: 41°, vertical FOV: 23°, diagonal FOV: 48°<br>12 mm, horizontal FOV: 25°, vertical FOV: 14°, diagonal FOV: 29° |
| Lens Mount                  | M12                                                                                                                                                                                                                                                                                                                                               |
| <b>IR</b>                   |                                                                                                                                                                                                                                                                                                                                                   |
| IR Range                    | I5: Up to 50 m<br>I8: Up to 80 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, object removal detection, unattended baggage detection                                                                                                                                                                                                                                              |
| Exception Detection         | Scene change detection                                                                                                                                                                                                                                                                                                                            |
| Face Detection              | Yes                                                                                                                                                                                                                                                                                                                                               |
| Region of Interest          | Support 1 fixed region for main stream and sub-stream                                                                                                                                                                                                                                                                                             |
| <b>Image</b>                |                                                                                                                                                                                                                                                                                                                                                   |
| Max. Resolution             | 2688 × 1520                                                                                                                                                                                                                                                                                                                                       |
| Main Stream                 | 50Hz: 25 fps (2688 × 1520, 2304 × 1296, 1920 × 1080)<br>60Hz: 30 fps (2688 × 1520, 2304 × 1296, 1920 × 1080)                                                                                                                                                                                                                                      |
| Sub-Stream                  | 50Hz: 25 fps (640 × 480, 640 × 360, 320 × 240)<br>60Hz: 30 fps (640 × 480, 640 × 360, 320 × 240)                                                                                                                                                                                                                                                  |
| Third Stream                | 50Hz: 25 fps (1280 × 720, 640 × 360, 352 × 288)                                                                                                                                                                                                                                                                                                   |

|                               |                                                                                                                                                                                        |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                               | 60Hz: 30 fps (1280 × 720, 640 × 360, 352 × 240)                                                                                                                                        |
| Image Enhancement             | BLC/3D DNR/HLC                                                                                                                                                                         |
| Image Settings                | Rotate mode, saturation, brightness, contrast, sharpness and white balance adjustable by client software or web browser                                                                |
| Target Cropping               | No                                                                                                                                                                                     |
| SVC                           | H.264 and H.265 encoding support                                                                                                                                                       |
| Day/Night Switch              | Day/Night/Auto/Schedule                                                                                                                                                                |
| <b>Network</b>                |                                                                                                                                                                                        |
| Network Storage               | Support microSD/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>              |                                                                                                                                                                                        |
| Communication Interface       | 1 RJ45 10M/100M self-adaptive Ethernet port                                                                                                                                            |
| On-board storage              | Built-in microSD/SDHC/SDXC slot, up to 128 GB                                                                                                                                          |
| 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 plug power<br>PoE(802.3af, class 3)                                                                                                                     |
| Power Consumption and Current | I5:<br>12 VDC, 0.7 A, max. 7.5 W<br>PoE (802.3af, 36V to 57V), 0.3 A to 0.1 A, max. 9.5 W<br>I8:<br>12 VDC, 1 A, max: 11.5 W<br>PoE (802.3af, 36V to 57V), 0.4 A to 0.2 A, max. 12.9 W |
| Protection Level              | IP67                                                                                                                                                                                   |
| Material                      | Metal                                                                                                                                                                                  |
| Dimensions                    | Camera: Φ104.8 mm × 299.7 mm (Φ4.1" × 11.8")<br>Package: 386 mm × 156 mm × 155 mm (15.2" × 6.1" × 6.1")                                                                                |
| Weight                        | Camera: 1200 g (2.7 lb.)                                                                                                                                                               |

## Available Models

DS-2CD2T45FWD-I5(2.8/4/6/8/12 mm), DS-2CD2T45FWD-I8(2.8/4/6/8/12 mm)

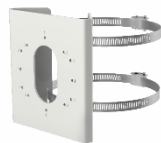
## Dimension



## Accessory



**DS-1260ZJ**  
Junction Box



**DS-1275ZJ-S-SUS**  
Vertical Pole Mount



**DS-1276ZJ-SUS**  
Corner Mount



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



**DS-1276ZJ-SUS(Black)**  
Corner Mount



**DS-1260ZJ(Black)**  
Junction Box

Distributed by



**HIKVISION®**

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