

## DS-2CD2545FWD-I(W)(S) 4 MP IR Fixed Mini Dome Network Camera



### Key Features

- 1/2.5" Progressive Scan CMOS
- 2688 × 1520@30 fps
- 2.8, 4, 6 mm fixed lens
- H.265+, H.265, H.264+, H.264
- 120dB WDR
- Color: 0.008 Lux @(F1.2, AGC ON), 0.014 lux @(F1.6, AGC ON), 0 lux with IR
- BLC/3D DNR/ROI/HLC
- IP66
- Powered by Darkfighter
- Built-in microSD/SDHC/SDXC card slot, up to 128 GB
- Wi-Fi connection (Optional)



## 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                                                                                                                                                                                                                                                                                                |
| Axis Adjustment             | Pan: -30° to 30°, tilt: 0° to 75°, rotate: 0° to 360°                                                                                                                                                                                                                                                |
| <b>Lens</b>                 |                                                                                                                                                                                                                                                                                                      |
| Focal Length                | 2.8, 4, 6 mm                                                                                                                                                                                                                                                                                         |
| Aperture                    | F1.6                                                                                                                                                                                                                                                                                                 |
| Focus                       | Fixed                                                                                                                                                                                                                                                                                                |
| FOV                         | 2.8 mm: Horizontal field of view: 109°, Vertical field of view: 60°, Diagonal field of view: 131°<br>4 mm: Horizontal field of view: 88°, Vertical field of view: 46°, Diagonal field of view: 105°<br>6 mm: Horizontal field of view: 53°, Vertical field of view: 30°, Diagonal field of view: 61° |
| Lens Mount                  | M12                                                                                                                                                                                                                                                                                                  |
| <b>IR</b>                   |                                                                                                                                                                                                                                                                                                      |
| IR Range                    | Up to 10 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 16Mbps                                                                                                                                                                                                                                                                                    |
| <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 separately                                                                                                                                                                                                                                     |
| <b>Image</b>                |                                                                                                                                                                                                                                                                                                      |
| Max. Resolution             | 2688 × 1520                                                                                                                                                                                                                                                                                          |
| Main Stream                 | 50Hz: 25fps (2688 × 1520, 2304 × 1296, 1920 × 1080)<br>60Hz: 30fps (2688 × 1520, 2304 × 1296, 1920 × 1080)                                                                                                                                                                                           |
| 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 Settings              | Rotate mode, saturation, brightness, contrast, sharpness and white balance adjustable by client software or web browser                                                                                                                                                                              |

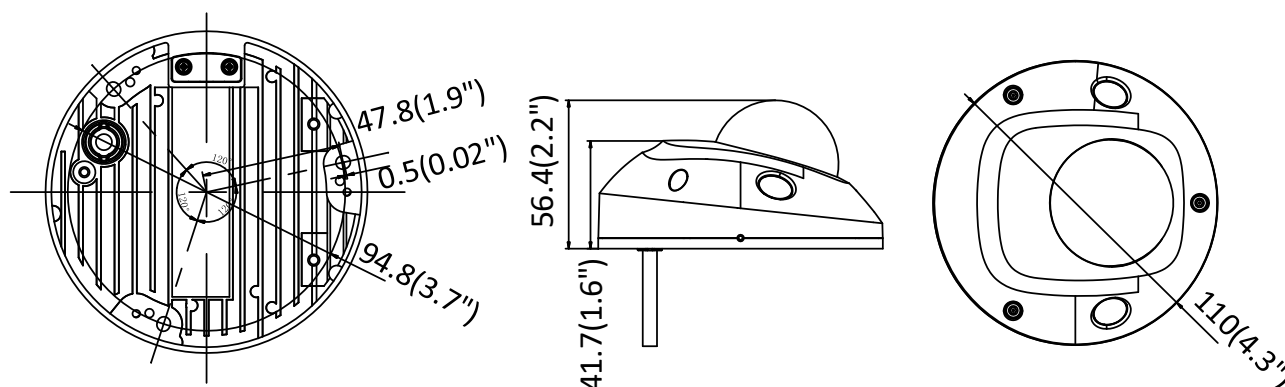
|                               |                                                                                                                                               |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Image Enhancement             | BLC/3D DNR/HLC                                                                                                                                |
| Day/Night Switch              | Day/Night/Auto/Schedule/Triggered by Alarm In (-S)                                                                                            |
| <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, HDD full, HDD error, illegal login                              |
| Protocols                     | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, QoS, IPv6                              |
| 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>              |                                                                                                                                               |
| Audio (-S model)              | 2 Inputs: line in or mic in (built-in microphone), 1 Output: line out, mono sound, terminal block                                             |
| Alarm (-S model)              | 1 Input: Alarm in, 1 Output: Alarm out, terminal block                                                                                        |
| Communication Interface       | 1 RJ45 10M/100M self-adaptive Ethernet port                                                                                                   |
| On-board storage              | Built-in Micro SD/SDHC/SDXC slot, up to 128G                                                                                                  |
| SVC                           | H.264 and H.265 encoding support                                                                                                              |
| Reset Button                  | Yes                                                                                                                                           |
| <b>Wi-Fi (-W model)</b>       |                                                                                                                                               |
| Wireless Standards            | IEEE 802.11b/g/n                                                                                                                              |
| Frequency Range               | 2.412 GHz to 2.4835 GHz                                                                                                                       |
| Channel Bandwidth             | 20M/40M                                                                                                                                       |
| Protocols                     | 802.11b: DQPSK, DBPSK, CCK<br>802.11g/n: OFDM/64-QAM, 16-QAM, QPSK, BPSK                                                                      |
| Security                      | WPA, WPA2                                                                                                                                     |
| Transfer Rates                | 11b: 11Mbps, 11g: 54Mbps, 11n: up to 150Mbps                                                                                                  |
| Wireless Range                | 50 m<br>(The performance varies based on actual environment)                                                                                  |
| <b>Audio (-S model)</b>       |                                                                                                                                               |
| Environment Noise Filtering   | Yes                                                                                                                                           |
| Audio Compression             | G.711/G.722.1/G.726/MP2L2/PCM                                                                                                                 |
| Audio Bit Rate                | 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)                                                                                 |
| Audio Sampling Rate           | 8 kHz/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)                                                                   |
| Power Supply                  | 12 VDC ± 25%, PoE (802.3af)                                                                                                                   |
| Power Consumption and Current | 12 VDC, 0.7 A, max. 8.5 W, Φ 5.5mm coaxial plug power<br>PoE (802.3af, 36 V to 57 V), 0.3 A to 0.1 A, max. 10 W                               |

|                  |                                          |
|------------------|------------------------------------------|
| Protection Level | IK8, IP66                                |
| Material         | Front cover: plastic, Bottom base: metal |
| Dimensions       | Φ110 mm × 56.4 mm (Φ4.3" × 2.2")         |
| Weight           | Camera: Approx. 400 g (0.9 lb.)          |

## Available Model

DS-2CD2545FWD-I (2.8/4/6 mm), DS-2CD2545FWD-IS (2.8/4/6 mm), DS-2CD2545FWD-IW (2.8/4/6 mm), DS-2CD2545FWD-IWS (2.8/4/6 mm)

## Dimension



## Accessory



DS-1280ZI-DM46

Junction Box



DS-1280ZI-DM46(Black)

Junction Box

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