

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



- High quality imaging with 4 MP resolution
- Excellent low-light performance via powered-by-DarkFighter technology
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 120 dB true WDR technology
- -W: Wi-Fi connection
- -S: built-in microphone, audio and alarm interface available
- Water and dust resistant (IP66) and vandal proof (IK08)
- Mini size suitable for limited space



▪ Specification

| Camera | |
|-----------------------------|--|
| Image Sensor | 1/2.5" Progressive Scan CMOS |
| Min. Illumination | Color: 0.014 lux @(F1.6, AGC ON), 0 lux with IR on |
| Shutter Speed | 1/3 s to 1/100,000 s |
| Slow Shutter | Yes |
| Wide Dynamic Range | 120 dB |
| Day & Night | IR Cut Filter |
| Angle Adjustment | Pan: -30° to 30°, tilt: 0° to 75°, rotate: 0° to 360° |
| Lens | |
| Focus | Fixed |
| Lens Type | 2.8, 4, 6 mm |
| FOV | 2.8 mm: horizontal FOV: 109°, vertical FOV: 60°, diagonal FOV: 131° 4 mm: horizontal FOV: 88°, vertical FOV: 46°, diagonal FOV: 105° 6 mm: horizontal FOV: 53°, vertical FOV: 30°, diagonal FOV: 61° |
| Aperture | F1.6 |
| Lens Mount | M12 |
| Illuminator | |
| IR Range | Up to 10 m |
| Wavelength | 850 nm |
| Video | |
| Max. Resolution | 2688 × 1520 |
| Main Stream | 50Hz: 25 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720) 60Hz: 30 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720) |
| Sub-Stream | 50Hz: 25 fps (640 × 480, 640 × 360, 320 × 240) 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) |
| Video Compression | Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264 |
| Video Bit Rate | 32 Kbps to 16 Mbps |
| H.264 Type | Main Profile/High Profile |
| H.265 Type | Main Profile |
| H.264+ | Main stream supports |
| H.265+ | Main stream supports |
| Scalable Video Coding (SVC) | H.264 and H.265 encoding support |
| Region of Interest (ROI) | Support 1 fixed region for main stream and sub-stream separately |
| Audio | |
| Environment Noise Filtering | Yes |
| Audio Sampling Rate | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz |
| 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) |
| Network | |
| Simultaneous Live View | Up to 6 channels |

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|-------------------------|---|
| API | ONVIF (PROFILE S, PROFILE G), ISAPI |
| 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 |
| User/Host | Up to 32 users. 3 levels: administrator, operator and user |
| 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 |
| Network Storage | Support MicroSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS, SMB/CIFS), ANR |
| Client | Wired network: Hik-Connect, iVMS-4200, Hik-Central Wi-Fi: iVMS-4200, Hik-Central *Wi-Fi connection with Hik-Connect directly is not possible. |
| Web Browser | Plug-in required live view: IE 10, IE 11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+ |
| Alarm Trigger | Motion detection, video tampering, network disconnected, IP address conflict, HDD full, HDD error, illegal login |
| Wi-Fi | |
| Encryption Mode | -W: WPA, WPA2 |
| Wi-Fi Protocol | -W: IEEE 802.11b/g/n |
| Frequency Range | -W: 2.412 GHz to 2.4835 GHz |
| Channel Bandwidth | -W: 20 MHz |
| Transfer Rate | -W: 11b: 11 Mbps 11g: 54 Mbps 11n: up to 150 Mbps |
| Wireless Range | -W: Up to 50 m (The performance varies based on actual environment) |
| Image | |
| Day/Night Switch | Day/Night/Auto/Schedule/Triggered by Alarm In (-S) |
| Image Enhancement | BLC/3D DNR/HLC |
| Image Settings | Rotate mode, saturation, brightness, contrast, sharpness and white balance adjustable by client software or web browser |
| Interface | |
| Audio | -S: 2 inputs: line in or mic in (built-in microphone) 1 output: line out, mono sound, terminal block |
| Alarm | -S: 1 input: alarm in 1 output: alarm out, terminal block |
| On-board Storage | Built-in Micro SD/SDHC/SDXC slot, up to 128 GB |
| Hardware Reset | Yes |
| Communication Interface | 1 RJ45 10M/100M self-adaptive Ethernet port |
| Event | |
| Basic Event | Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error) |

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|----------------------------------|--|
| Smart Event | Line crossing detection, intrusion detection, object removal detection, unattended baggage detection |
| Face Detection | Yes |
| Exception Detection | Scene change detection |
| General | |
| Linkage Method | Trigger recording: memory card, network storage, pre-record and post-record Trigger captured pictures uploading: FTP, HTTP, NAS, Email Trigger notification: HTTP, ISAPI, alarm output, Email |
| Firmware Version | V5.6.5 |
| Web Client Language | 32 languages 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) |
| General Function | Anti-flicker, three streams, heartbeat, mirror, privacy masks, password reset via e-mail, pixel counter, HTTP listening |
| Startup and 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, Ø5.5mm coaxial plug power PoE (802.3af, 36 V to 57 V), 0.3 A to 0.1 A, max. 10 W |
| Camera Dimension | Ø120 mm × 67.4 mm (Ø4.7" × 2.7") |
| Camera Weight | Camera: approx. 400 g (0.9 lb.) |
| Approval | |
| Protection | Ingress protection: IP66 (IEC 60529-2013), IK08 (IEC 60529-2013) |

▪ Available Model

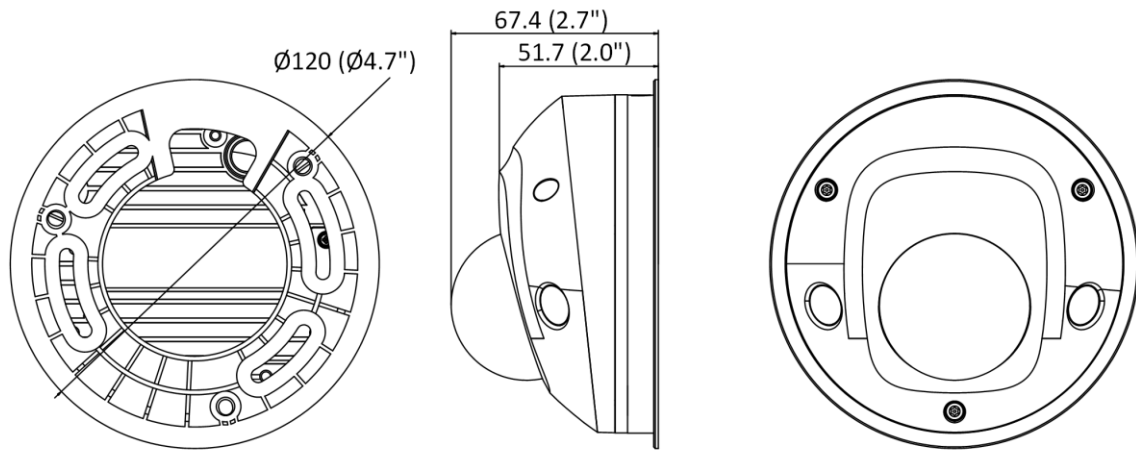
DS-2CD2545FWD-I (2.8/4/6 mm)

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



Unit: mm (inch)

▪ **Accessory**

▪ **Optional**

| DS-1275ZJ-SUS Vertical Pole Mount | DS-1272ZJ-120 Wall Mount | DS-1276ZJ-SUS Corner Mount | DS-1280ZJ-DM46 Junction Box | DS-1271ZJ-120 Pendant Mount |
|---|---|---|--|---|
|  |  |  |  |  |
| DS-1272ZJ-120B Wall Mount | | | | |
|  | | | | |

Distributed by

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