

## DS-2CD2H25FWD-IZS 2 MP IR Varifocal Turret Network Camera



### Key Features

- 1/2.8" Progressive Scan CMOS
- 1920 × 1080 @30fps
- Powered by Darkfighter
- H.265, H.265+
- 120dB WDR
- IP66, IK10
- IR range: up to 30 m
- BLC/3D DNR/ROI/HLC
- Smart encoding: Support low bit rate, low latency
- 4 behavior analyses and face detection
- Color: 0.005 Lux @ (F1.2, AGC ON), 0 Lux with IR  
Color: 0.0068 Lux @ (F1.4, AGC ON), 0 Lux with IR



## Specifications

| <b>Camera</b>               |   |
|-----------------------------|---|
| Image Sensor                | 1/2.8" Progressive Scan CMOS  |
| Min. Illumination           | Color: 0.005 Lux @ (F1.2, AGC ON), 0 Lux with IR<br>Color: 0.0068 Lux @ (F1.4, 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 355°, tilt: 0° to 75°, rotate: 0° to 360°  |
| <b>Lens</b>                 |   |
| Focal length                | 2.8 to 12 mm  |
| Lens Type                   | Motorized   |
| Aperture                    | F1.4  |
| Focus                       | Auto  |
| FOV                         | Horizontal field of view: 105° to 35°<br>Vertical field of view: 56° to 20°<br>Diagonal field of view: 126° to 40.5°  |
| Lens Mount                  | Φ14   |
| <b>IR</b>                   |   |
| IR Range                    | Up to 30 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  |
| Audio Compression           | G722.1/G.711/G726/MP2L2/PCM/MP3   |
| Audio Bit Rate              | 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/8Kbps-320Kbps(MP3)  |
| <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, alarm output, Email |
| Region of Interest          | Support 1 fixed region for main stream and sub stream   |
| <b>Image</b>                |   |
| Max. Resolution             | 1920 × 1080   |
| Main Stream                 | 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280×720)   |

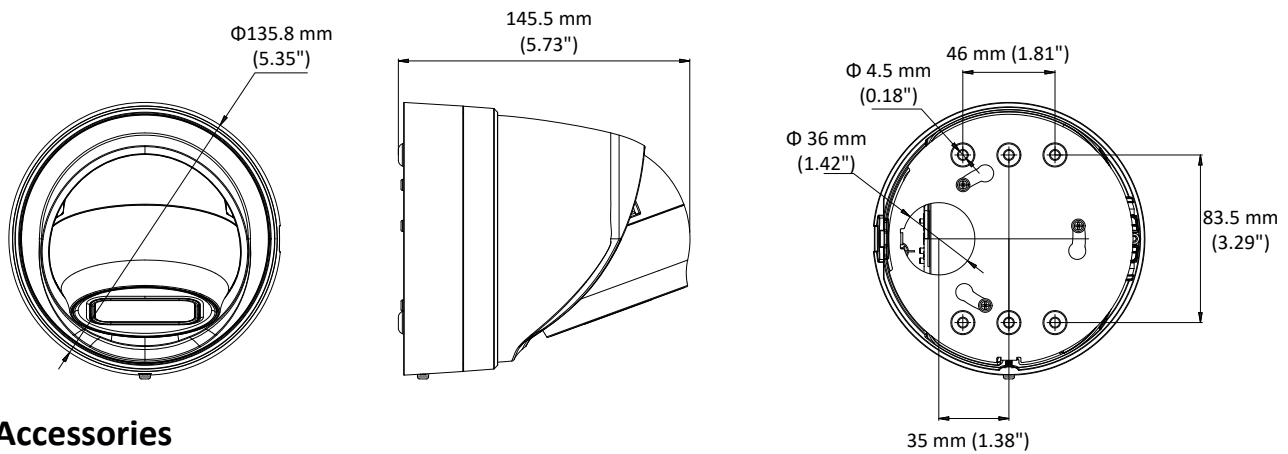
|                               |  |
|-------------------------------|--|
|                               | 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280×720)  |
| Sub Stream                    | 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240)<br>60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)   |
| Third Stream                  | 50Hz: 25fps (1920 × 1080, 1280×720, 640 × 360, 352 × 288)<br>60Hz: 30fps (1920 × 1080, 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  |
| Day/Night Switch              | Day/Night/Auto/Schedule/Triggered by Alarm In  |
| <b>Network</b>                |  |
| Network Storage               | Support Micro SD/SDHC/SDXC card (128G), local storage and 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, iVMS-5200, iVMS-4500   |
| Web Browser                   | Plug-in required live view: IE8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11<br>Plug-in free live view: Chrome 45.0+, Firefox 52.0+  |
| <b>Interface</b>              |  |
| Audio                         | 1 input (line in, 3.5 mm), 1 output (3.5 mm), mono sound   |
| Communication Interface       | 1 RJ45 10M/100M self-adaptive Ethernet port  |
| Alarm                         | 1 input, 1 output (max. 12 VDC, 30 mA)   |
| Video Output                  | No   |
| On-board storage              | Built-in Micro SD/SDHC/SDXC slot, up to 128 GB   |
| SVC                           | Support H.264 and H.265 encoding   |
| Reset Button                  | Yes  |
| <b>Audio</b>                  |  |
| Environment Noise Filtering   | Yes  |
| Audio Sampling Rate           | 8kHz/16kHz/32kHz/44.1kHz/48kHz   |
| <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%, PoE (802.3af)<br>Terminal block for DC input   |
| Power Consumption and Current | 12 VDC, 0.85A, max. 10W<br>PoE (802.3af, 36V to 57V), 0.31 A to 0.20 A, max. 11.5W   |

|                  |  |
|------------------|--|
| Protection Level | IP66, IK10   |
| Material         | Metal  |
| Dimensions       | Φ 135.8 mm × 145.5 mm (Φ 5.35" × 5.73")                                      |
| Weight           | With Package: Approx. 1220 g (2.69 lb.)<br>Camera: Approx. 1060 g (2.34 lb.) |

**Available Model:**

DS-2CD2H25FWD-IZS

**Dimensions**



**Accessories**



DS-1473ZJ-135  
Wall Mount



DS-1471ZJ-135  
Pendant Mount



DS-1475ZJ-SUS  
Vertical Pole Mount



DS-1476ZJ-SUS  
Corner Mount



DS-1473ZJ-135B  
Wall Mount with  
Junction Box

Distributed by

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