

## DS-2CD2785FWD-IZS 8 MP IR Varifocal Dome Network Camera



### Key Features

- 1/2.5" Progressive Scan CMOS
- 3840 × 2160 @20fps
- 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: 0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR  
Color: 0.014 Lux @ (F1.4, AGC ON), 0 Lux with IR



## Specifications

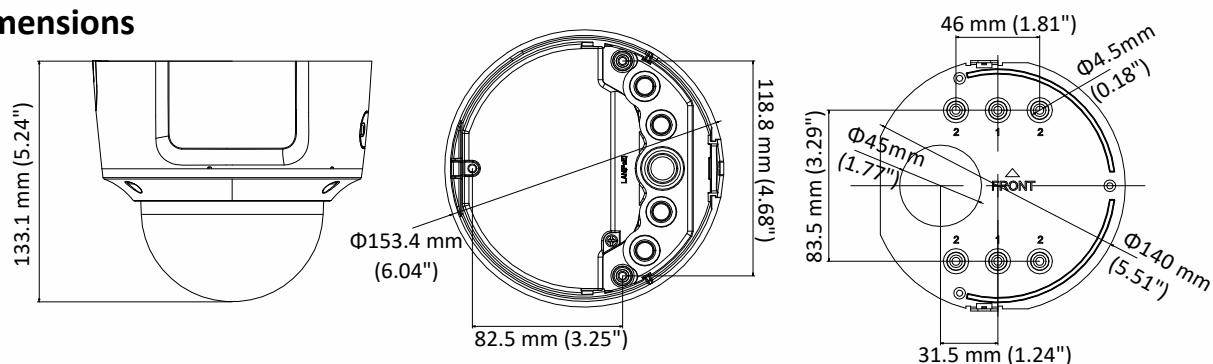
| <b>Camera</b>               |  |
|-----------------------------|--|
| Image Sensor                | 1/2.5" Progressive Scan CMOS   |
| Min. Illumination           | Color: 0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR<br>Color: 0.014 Lux @ (F1.4, AGC ON), 0 Lux with IR  |
| Shutter Speed               | 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 355°   |
| <b>Lens</b>                 |  |
| Focal length                | 2.8 to 12 mm   |
| Lens Type                   | Motorized  |
| Aperture                    | F1.4   |
| Focus                       | Auto   |
| FOV                         | Horizontal field of view: 115° to 35°<br>Vertical field of view: 60° to 19°<br>Diagonal field of view: 146° to 38.5°   |
| Lens Mount                  | Ø14  |
| <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           | 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)  |
| <b>Smart Feature-set</b>    |  |
| Behavior Analysis           | Line crossing detection, intrusion detection, unattended baggage detection, object removal 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             | 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)  |

|  |   |
|--|---|
|  | 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 and white balance adjustable by client software or web browser                     |
| Day/Night Switch   | Day/Night/Auto/Schedule/Triggered by Alarm In   |
| *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 and NAS (NFS,SMB/CIFS), ANR   |
| Alarm Trigger  | Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD full, HDD error, Alarm input, Alarm output |
| 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, 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: 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), terminal block  |
| Video Output   | 1Vp-p composite output (75 Ω) (For adjustment only)   |
| 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)   |
| Power Supply   | 12 VDC ± 25%, PoE (802.3af)<br>Terminal block for DC input  |
| Power Consumption and Current  | 12 VDC, 0.95A, max. 11.5W<br>PoE (802.3af, 36V to 57V), 0.3A to 0.1A, max. 12.9W  |
| Protection Level   | IP66, IK10  |
| Material   | Metal   |
| Dimensions   | Φ153.4 × 133.1 mm (Φ6.04" × 5.24")  |
| Weight   | Camera: 1287 g (2.84 lb.)   |

## Available Model:

DS-2CD2785FWD-IZS

## Dimensions



## Accessories



DS-1471ZJ-155  
Pendant Mount



DS-1473ZJ-155  
Wall Mount



DS-1475ZJ-SUS  
Vertical Pole Mount



DS-1476ZJ-SUS  
Corner Mount



DS-1227ZJ-DM37  
In-ceiling Mount



DS-1471ZJ-155(Black)  
Pendant Mount



DS-1473ZJ-155(Black)  
Wall Mount



DS-1475ZJ-SUS(Black)  
Vertical pole mount

Distributed by



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