

DS-2CD2745FWD-IZS

4 MP IR Varifocal Dome Network Camera



## Key Features

- 1/2.5" Progressive Scan CMOS
- 2688 × 1520@30 fps
- 2.8 to 12 mm motorized varifocal lens
- H.265+, H.265, H.264+, H.264
- 4 Behavior analyses
- 120dB WDR
- Powered by Darkfighter
- BLC/3D DNR/ROI/HLC
- IP67, IK10
- IR range: up to 30 m
- Built-in microSD/SDHC/SDXC card slot, up to 128 GB
- Color: 0.008 lux @(F1.2, AGC ON), 0.011 lux @(F1.4, AGC ON), 0 lux with IR



## Specifications

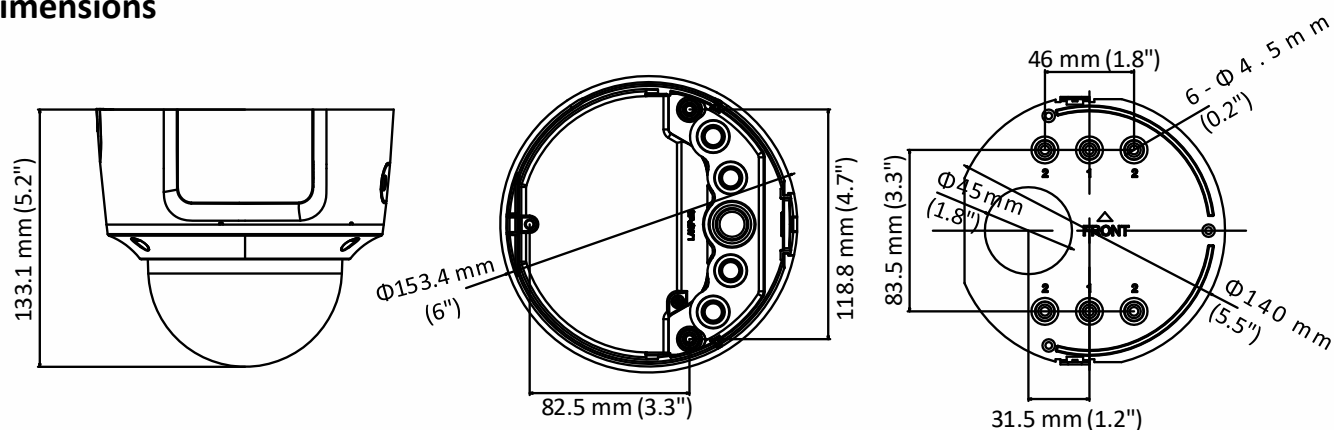
| <b>Camera</b>               |                                                                                                                      |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/2.5" Progressive Scan CMOS                                                                                         |
| Min. Illumination           | Color: 0.008 lux @(F1.2, AGC ON), 0.011 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: 114° to 32°<br>Vertical field of view: 59° to 18°<br>Diagonal field of view: 141° to 36.5° |
| 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           | 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, 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)<br>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/Triggered by alarm in                                                                                           |
| <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: 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 (line out, 3.5 mm), mono sound                                                                      |
| Alarm                         | 1 input, 1 output (max. 12 VDC, 30 mA), terminal block                                                                                  |
| Video Output                  | 1Vp-p Composite Output(75Ω) (For adjustment only)                                                                                       |
| 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>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%, terminal block for DC input<br>PoE(802.3af, class 3)                                                                      |
| Power Consumption and Current | 12 VDC, 0.9 A, max. 10.5 W<br>PoE (802.3af, 36V to 57V), 0.4 A to 0.2 A, max. 12.5 W                                                    |
| Protection Level              | IP67, IK10                                                                                                                              |
| Material                      | Metal                                                                                                                                   |
| Dimensions                    | Φ153.4 × 133.1 mm (Φ6" × 5.2")                                                                                                          |
| Weight                        | Camera: 1287 g (2.8 lb.)                                                                                                                |

## Available Model:

DS-2CD2745FWD-IZS(2.8 to 12 mm)

## Dimensions



## Accessories



DS-1471ZJ-155  
Pendant Mount



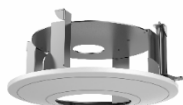
DS-1473ZJ-155  
Wall Mount



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

### Headquarters

No.555 Qianmo Road, Binjiang District,  
Hangzhou 310051, China  
T +86-571-8807-5998  
overseasbusiness@hikvision.com

**Hikvision USA**  
T +1-909-895-0400  
sales.usa@hikvision.com

**Hikvision Italy**  
T +39-0438-6902  
info.it@hikvision.com

**Hikvision Singapore**  
T +65-6684-4718  
sg@hikvision.com

**Hikvision Africa**  
T +27 (10) 0351172  
sale.africa@hikvision.com

**Hikvision Europe**  
T +31-23-55-42-770  
info.eu@hikvision.com

**Hikvision France**  
T +33(0)1-85-330-450  
info.fr@hikvision.com

**Hikvision Oceania**  
T +61-2-8599-4233  
salesau@hikvision.com

**Hikvision Hong Kong**  
T +852-2151-1761

**Hikvision Middle East**  
T +971-4-8816086  
salesme@hikvision.com

**Hikvision Spain**  
T +34-91-737-16-55  
info.es@hikvision.com

**Hikvision Canada**  
T +1-909-895-0400  
sales.usa@hikvision.com

**Hikvision Russia**  
T +7-495-669-67-99  
saleru@hikvision.com

**Hikvision Poland**  
T +48-22-460-01-50  
poland@hikvision.com

**Hikvision Korea**  
T +82-31-731-8841  
sales.korea@hikvision.com

**Hikvision India**  
T +91-22-28469900  
sales@pramahikvision.com

**Hikvision UK**  
T +01628-902140  
support.uk@hikvision.com

**Hikvision Brazil**  
T +55 11 3318-0050  
Latam.support@hikvision.com