

## DS-2CD2735FWD-IZS 3 MP IR Varifocal Dome Network Camera



### Key Features

- 1/2.8" Progressive Scan CMOS
- 2048 × 1536 @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: 0.009 Lux @ (F1.6, AGC ON), 0 Lux with IR



## Specifications

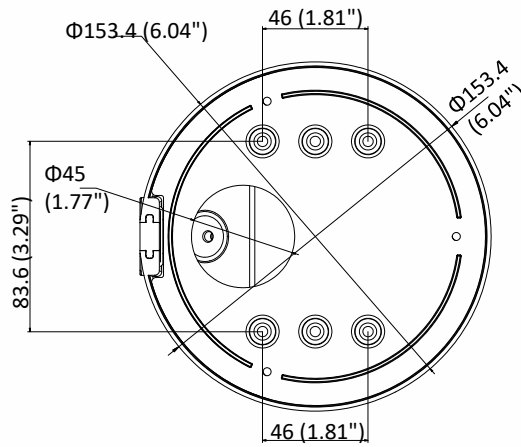
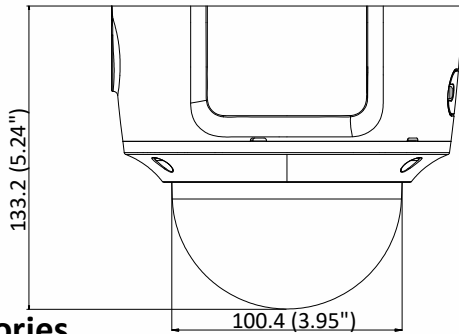
| <b>Camera</b>               |   |
|-----------------------------|---|
| Image Sensor                | 1/2.8" Progressive Scan CMOS  |
| Min. Illumination           | Color: 0.005 Lux @ (F1.2, AGC ON), 0 Lux with IR<br>Color: 0.009 Lux @ (F1.6, AGC ON), 0 Lux with IR              |
| Shutter Speed               | 1/3 s to 1/100,000 s  |
| Slow Shutter                | Yes   |
| Day & Night                 | IR Cut Filter   |
| Digital Noise Reduction     | 3D DNR  |
| WDR                         | 120dB   |
| 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                    | F1.6  |
| Focus                       | Auto  |
| FOV                         | Horizontal field of view: 97° to 33°<br>Vertical field of view: 69° to 25°<br>Diagonal field of view: 130° to 41° |
| 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, 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             | 2048 × 1536   |
| Main Stream                 | 50Hz: 25fps (2048 × 1536, 1920 × 1080, 1280 × 720)<br>60Hz: 30fps (2048 × 1536, 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   |
| <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, 0.75A, max. 9.5W<br>PoE (802.3af, 36V to 57V), 0.3A to 0.1A, max. 11W   |
| Protection Level              | IP66, IK10  |
| Material                      | Metal   |
| Dimensions                    | Φ153.4 × 133.2 mm (Φ6.04" × 5.24")  |
| Weight                        | Camera: 1287 g (2.84 lb.)   |

## Available Model:

DS-2CD2735FWD-IZS

**Dimensions**



Unit: mm(inch)

**Accessories**



DS-1471ZJ-155  
Pendant Mount



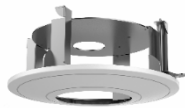
DS-1473ZJ-155  
Wall Mount



DS-1475ZJ-SUS  
Vertical Pole Mount



DS-1476ZJ-SUS  
Corner Mount



Distributed by  
DS-1227ZJ-DM37  
In-ceiling Mount

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