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 50 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

## Camera

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Image Sensor</td>
<td>1/2.8&quot; Progressive Scan CMOS</td>
</tr>
</tbody>
</table>
| Min. Illumination     | Color: 0.005 Lux @ (F1.2, AGC ON), 0 Lux with IR  
                        | 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 360°, tilt: 0° to 90°, rotate: 0° to 360° |

## Lens

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Focal length</td>
<td>2.8 to 12 mm</td>
</tr>
<tr>
<td>Lens Type</td>
<td>Motorized</td>
</tr>
<tr>
<td>Aperture</td>
<td>F1.4</td>
</tr>
<tr>
<td>Focus</td>
<td>Auto</td>
</tr>
</tbody>
</table>
| FOV                   | Horizontal field of view: 105° to 35°  
                        | Vertical field of view: 56° to 20°  
                        | Diagonal field of view: 126° to 40.5° |
| Lens Mount            | Φ14 |

## IR

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>IR Range</td>
<td>Up to 50 m</td>
</tr>
<tr>
<td>Wavelength</td>
<td>850nm</td>
</tr>
</tbody>
</table>

## Compression Standard

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
</table>
| Video Compression     | Main stream: H.265/H.264  
                        | Sub stream: H.265/H.264/MJPEG  
                        | 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) |

## Smart Feature-set

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Smart Event</td>
<td>Line crossing detection, intrusion detection, unattended baggage detection, object removal detection, face detection, scene change detection</td>
</tr>
<tr>
<td>Basic Event</td>
<td>Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)</td>
</tr>
</tbody>
</table>
| 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 |
| Region of Interest    | Support 1 fixed region for main stream and sub-stream |

## Image

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>Max. Resolution</td>
<td>1920 × 1080</td>
</tr>
<tr>
<td>Main Stream</td>
<td>50Hz: 25fps (1920 × 1080, 1280 × 960, 1280×720)</td>
</tr>
</tbody>
</table>
60Hz: 30fps (1920 × 1080, 1280 × 960, 1280×720)

Sub Stream
50Hz: 25fps (640 × 480, 640 × 360, 320 × 240)
60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)

Third Stream
50Hz: 25fps (1920 × 1080, 1280×720, 640 × 360, 352 × 288)
60Hz: 30fps (1920 × 1080, 1280×720, 640 × 360, 352 × 240)

Image Enhancement
Sub Stream
50Hz: 25fps (640 × 480, 640 × 360, 320 × 240)
60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)

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

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, UD, Bonjour, SSL/TLS

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
3 levels: Administrator, Operator and User

Client
iVMS-4200, Hik-Connect, Hik-Central

Web Browser
Plug-in required live view: IE8+
Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+
Local Service: Chrome 41.0+, Firefox 30.0+

Interface
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

Audio
Environment Noise Filtering
Yes

Audio Sampling Rate
8kHz/16kHz/32kHz/44.1kHz/48kHz

General
Operating Conditions
-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95% or less (non-condensing)

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)

Power Supply
12 VDC ± 25%, PoE (802.3at)
Terminal block for DC input

Power Consumption and Current
12 VDC, 1.2A, max. 14.5W
PoE (802.3at, 42.5V to 57V), 0.5A to 0.1A, max. 16.5W

Protection Level
IP66, IK10
Material: Metal
Dimensions: \( \Phi 144.13 \times 332.73 \text{ mm} \) (\( \Phi 5.67'' \times 13.10'' \))
Weight: Camera: Approx. 1890 g (4.17 lb.)

**Available Model:**

DS-2CD2625FWD-IZS

**Dimensions**

- 83.5 mm (3.29'')
- 46 mm (1.81'')
- 144.13 mm (5.67'')
- 332.73 mm (13.10'')
- 185.19 mm (7.29'')
- 174.29 mm (6.86'')

**Accessories**

- **DS-1475ZJ-SUS**: Vertical Pole Mount
- **DS-1476ZJ-SUS**: Corner Mount
- **DS-1475ZJ-SUS(Black)**: Vertical pole mount
- **DS-1275ZJ-S-SUS**: Vertical Pole Mount