DS-2CD2125FHWD-I(S)
2 MP IR Fixed Network Dome Camera

Key Features

- Up to 2.0 megapixel high resolution
- Max. 1920 x 1080 @60fps
- 2.8 mm/4 mm/6 mm/8 mm/12 mm fixed lens, optional
- Powered by Darkfighter
- H.265, H.265+, H.264+, H.264
- 120dB Wide Dynamic Range
- 3D Digital Noise Reduction
- 12 VDC & PoE (802.3af)
- IR range: up to 30 m
- Support on-board storage, up to 128 GB
- Audio I/O, Alarm I/O, optional
- IP67, IK10
- 3-axis adjustment
- Color: 0.005 Lux @ (F1.2, AGC ON), 0 Lux with IR
- Color: 0.009 Lux @ (F1.6, AGC ON), 0 Lux with IR

www.hikvision.com
# Specification

## Camera

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Image Sensor</td>
<td>1/2.8&quot; Progressive Scan CMOS</td>
</tr>
<tr>
<td>Min. Illumination</td>
<td>Color: 0.005 Lux @ (F1.2, AGC ON), 0 Lux with IR&lt;br&gt;Color: 0.009 Lux @ (F1.6, AGC ON), 0 Lux with IR</td>
</tr>
<tr>
<td>Shutter Speed</td>
<td>1/3 s to 1/100,000 s</td>
</tr>
<tr>
<td>Slow Shutter</td>
<td>Yes</td>
</tr>
<tr>
<td>Focal Length</td>
<td>2.8/4/6/8/12 mm</td>
</tr>
<tr>
<td>Focus</td>
<td>Fixed</td>
</tr>
<tr>
<td>FOV</td>
<td>2.8 mm, horizontal field of view: 108°&lt;br&gt;4 mm, horizontal field of view: 86.4°&lt;br&gt;6 mm, horizontal field of view: 52°&lt;br&gt;8 mm, horizontal field of view: 41°&lt;br&gt;12 mm, horizontal field of view: 25°</td>
</tr>
<tr>
<td>Lens Mount</td>
<td>M12</td>
</tr>
<tr>
<td>Iris</td>
<td>F1.6</td>
</tr>
<tr>
<td>Day &amp; Night</td>
<td>IR cut filter</td>
</tr>
<tr>
<td>DNR</td>
<td>3D DNR</td>
</tr>
<tr>
<td>Wide Dynamic Range</td>
<td>120dB</td>
</tr>
<tr>
<td>3-Axis Adjustment</td>
<td>Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°</td>
</tr>
</tbody>
</table>

## Compression Standard

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H.264 Type</td>
<td>Main Profile/High Profile</td>
</tr>
<tr>
<td>H.264+</td>
<td>Main stream supports</td>
</tr>
<tr>
<td>H.265 Type</td>
<td>Main Profile</td>
</tr>
<tr>
<td>H.265+</td>
<td>Main stream supports</td>
</tr>
<tr>
<td>Video Bit Rate</td>
<td>32 Kbps to 16 Mbps</td>
</tr>
<tr>
<td>Audio Compression (-S)</td>
<td>G.711/G.722.1/G.726/MP2L2/PCM/ MP3</td>
</tr>
<tr>
<td>Audio Bit Rate (-S)</td>
<td>64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/8Kbps-320Kbps(MP3)</td>
</tr>
</tbody>
</table>

## Image

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Resolution</td>
<td>1920 × 1080</td>
</tr>
<tr>
<td>Main Stream</td>
<td>50Hz: 50fps (1920 × 1080, 1280 × 960, 1280 × 720)&lt;br&gt;60Hz: 60fps (1920 × 1080, 1280 × 960, 1280 × 720)</td>
</tr>
<tr>
<td>Sub-Stream</td>
<td>50Hz: 25fps (640 × 480, 640 × 360, 320 × 240)&lt;br&gt;60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)</td>
</tr>
<tr>
<td>Third Stream</td>
<td>50Hz: 25fps (1920 × 1080, 1280×720, 640 × 360, 352 × 288)&lt;br&gt;60Hz: 30fps (1920 × 1080, 1280×720, 640 × 360, 352 × 240)</td>
</tr>
<tr>
<td>Image Enhancement</td>
<td>BLC/3D DNR/HLC</td>
</tr>
<tr>
<td>Image Setting</td>
<td>Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance adjustable by client software or web browser</td>
</tr>
<tr>
<td>ROI (Region of Interest)</td>
<td>Support 1 fixed region for main stream and sub-stream separately</td>
</tr>
<tr>
<td>Day/Night Switch</td>
<td>Day/Night/Auto/Schedule/Triggered by Alarm In (-S)</td>
</tr>
</tbody>
</table>

## Audio (-S)

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
</table>
**Environment Noise Filtering**
Yes

**Audio I/O**
Yes, mono soundtrack

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

### Network

**Network Storage**
Support microSD/SDHC/SDXC card (128G) local storage, NAS (NFS/SMB/CIFS), ANR

**Protocols**
TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, RTSP, RTP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, 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

**Communication Interface**
1 RJ45 10M/100M self-adaptive Ethernet port

**Audio (S)**
1 audio input (line in), 1 audio output interface, terminal block

**Alarm (S)**
1 alarm input, 1 alarm output (max. 12 VDC, 30 mA), terminal block

**On-board Storage**
Built-in microSD/SDHC/SDXC slot, up to 128 GB

**Reset Button**
Yes

### Smart Feature-set

**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
Trigger captured pictures uploading: FTP, HTTP, NAS, Email
Trigger notification: HTTP, ISAPI, alarm output (S), Email

### 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%, 5 W
PoE(802.3af, 36 V to 57 V, class 3), 6.5 W

**IR Range**
Up to 30 m

**Protection Level**
IP67, IK10

**Material**
Camera body: metal, bubble: plastic
<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Camera: $\Phi$ 111 x 82.4 mm ($\Phi$ 4.4” x 3.2”)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Package: 134 x 134 x 108 mm (5.27” x 5.27” x 4.25”)</td>
</tr>
<tr>
<td>Weight</td>
<td>Camera: 500 g (1.1 lb.)</td>
</tr>
</tbody>
</table>

**Available Model**

DS-2CD2125FHWD-I (2.8/4/6/8/12 mm), DS-2CD2125FHWD-IS (2.8/4/6/8/12 mm)

**Dimension**

Unit: mm (inch)
Accessory

Inclined Ceiling Mount
DS-1259ZJ

Wall Mount
DS-1272ZJ-110

Wall Mount + Junction Box
DS-1272ZJ-110B

Pendant Mount
DS-1271ZJ-110

Junction Box
DS-1280ZJ-DM18

Corner Mount
DS-1276ZJ-SUS

Vertical Pole Mount
DS-1275ZJ-SUS

Rain-proof Cap
DS-1250ZJ

Wall Mount
DS-1258ZJ

Accessor

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