DS-2CD3163G0-I(S)
6 MP IR Fixed Dome Network Camera

- 1/2.9" Progressive Scan CMOS
- 3072 × 2048@20fps
- 2.8/4/6 mm fixed lens
- Color: 0.01 lux @ (F1.2, AGC ON), 0.028 lux @ (F2.0, AGC ON), 0 lux with IR
- H.265, H.265+, H.264, H.264+
- Three streams
- 120dB WDR

- BLC/3D DNR/ROI/HLC
- IP67, IK10
- Built-in micro SD/SDHC/SDXC card slot, up to 128 GB
- 3-Axis adjustment

www.hikvision.com
# Specifications

## Camera

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Image Sensor</td>
<td>1/2.9” Progressive Scan CMOS</td>
</tr>
<tr>
<td>Min. Illumination Color:</td>
<td>0.01 lux @(F1.2, AGC ON), 0.028 lux @(F2.0, 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>Day &amp; Night</td>
<td>IR Cut Filter</td>
</tr>
<tr>
<td>Digital Noise Reduction</td>
<td>3D DNR</td>
</tr>
<tr>
<td>WDR</td>
<td>120 dB</td>
</tr>
<tr>
<td>Angle Adjustment Pan:</td>
<td>0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°</td>
</tr>
</tbody>
</table>

## Lens

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Focal length</td>
<td>2.8/4/6/8 mm</td>
</tr>
<tr>
<td>Aperture</td>
<td>F2.0</td>
</tr>
<tr>
<td>Focus</td>
<td>Fixed</td>
</tr>
<tr>
<td>FOV</td>
<td>2.8 mm, horizontal FOV: 97°, vertical FOV: 63°, diagonal FOV: 120°</td>
</tr>
<tr>
<td></td>
<td>4 mm, horizontal FOV: 78°, vertical FOV: 50°, diagonal FOV: 97°</td>
</tr>
<tr>
<td></td>
<td>6 mm, horizontal FOV: 60°, vertical FOV: 39°, diagonal FOV: 75°</td>
</tr>
<tr>
<td>Lens Mount</td>
<td>M12</td>
</tr>
</tbody>
</table>

## IR

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>IR Range</td>
<td>Up to 40 m</td>
</tr>
<tr>
<td>Wavelength</td>
<td>850 nm</td>
</tr>
</tbody>
</table>

## Compression Standard

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</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>256 Kbps to 16 Mbps</td>
</tr>
</tbody>
</table>

## Smart Feature-Set

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smart Event</td>
<td>Line crossing detection, up to 1 line configurable Intrusion detection, up to 1 region configurable Unattended baggage detection, up to 1 region configurable Object removal detection, up to 1 region configurable Face detection: detects faces 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>
<tr>
<td>Face Detection</td>
<td>Yes</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(-S), Email.

### Region of Interest
- 5 fixed region for main stream and sub-stream.

### Image
- **Max. Resolution**
  - 3072 × 2048

- **Main Stream**
  - 50Hz: 20fps (3072 × 2048, 3072 × 1728, 2944 × 1656), 25fps (2560 × 1440, 1920 × 1080, 1280 × 720)
  - 60Hz: 20fps (3072 × 2048, 3072 × 1728, 2944 × 1656), 30fps (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)
  - 60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240)

- **Image Enhancement**
  - BLC/3D DNR/HLC

- **Image Settings**
  - Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser.

- **Target Cropping**
  - Yes

- **Day/Night Switch**
  - Day/Night/Auto/Schedule/Triggered by alarm in (-S)

*When the main stream resolution is 2944 × 1656 and above, max frame rate is 20 fps for all streams.*

### Network
- **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, 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, Ehome.

- **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: Chr2ome 57.0+, Firefox 52.0+, Safari 11+
  - Local Service: Chrome 41.0+, Firefox 30.0+

### Interface
- **Audio (-S)**
  - 1 input (line in), 1 output (line out), mono sound.

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

- **Alarm (-S)**
  - 1 input, 1 output (max. 12 VDC, 30 mA).

- **On-board storage**
  - Built-in micro SD/SDHC/SDXC slot, up to 128 GB.

- **Reset Button**
  - Yes.
### Audio (-S)

**Audio Compression**  
G.711/G.722.1/G.726/MP2L2/PCM/MP3  

**Audio Bit Rate**  
64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/8Kbps-320Kbps(MP3)  

**Environment Noise Filtering**  
Yes  

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

### 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%, Φ 5.5 mm coaxial power plug; PoE (802.3af, class 3)  

**Power Consumption and Current**  
12 VDC, 0.6 A, max. 7.5W; PoE (802.3af, 36V to 57V), 0.3 A to 0.2 A, max. 9W  

**Protection Level**  
IP67, IK10  

**Material**  
Metal  

**Dimensions**  
Camera: Φ 111 × 82.4 mm (Φ 4.4" × 3.2")  
Package: 134 × 134 × 108 mm (5.3" × 5.3" × 4.3")  

**Weight**  
Camera: approx. 500 g (1.1 lb.)

### Available Model

DS-2CD3163G0-I (2.8/4/6 mm), DS-2CD3163G0-IS (2.8/4/6 mm)

### Dimension

![Dimensions Diagram]  

Unit: mm (inch)
Accessory

- **DS-1259ZJ**: Inclined Ceiling Mount
- **DS-1272ZJ-110**: Wall Mount
- **DS-1272ZJ-110B**: Wall Mount + Junction Box
- **DS-1271ZJ-110**: Pendant Mount
- **DS-1280ZJ-DM18**: Junction Box
- **DS-1276ZJ**: Corner Mount
- **DS-1275ZJ**: Vertical Pole Mount
- **DS-1250ZJ**: Rain-proof Cap