DS-2CD2643G1-IZ(S)
4 MP IR Varifocal Bullet Network Camera

Key Features

- 1/3" Progressive Scan CMOS
- 2688 × 1520 @30fps
- 2.8 to 12 mm varifocal lens
- Color: 0.01 Lux @ (F1.2, AGC ON), 0.018 Lux @ (F1.6, AGC ON), 0 Lux with IR
- H.265+, H.265, H.264+, H.264
- Three streams
- 120dB WDR
- 2 behavior analyses, and face detection

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

www.hikvision.com
### Specifications

<table>
<thead>
<tr>
<th><strong>Camera</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Image Sensor</td>
<td>1/3&quot; Progressive Scan CMOS</td>
</tr>
<tr>
<td>Min. Illumination</td>
<td>Color: 0.01 Lux @ (F1.2, AGC ON), 0.018 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>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>120dB</td>
</tr>
<tr>
<td>3-Axis Adjustment</td>
<td>Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Lens</strong></th>
<th></th>
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</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>F1.6</td>
</tr>
<tr>
<td>Focus</td>
<td>Auto</td>
</tr>
<tr>
<td>FOV</td>
<td>horizontal FOV: 104° to 29°, vertical FOV: 55° to 17°, diagonal FOV: 125° to 34°</td>
</tr>
<tr>
<td>Lens Mount</td>
<td>Φ14</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th><strong>Compression Standard</strong></th>
<th></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>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Smart Feature-set</strong></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Smart Event</td>
<td>Line crossing detection, intrusion detection, face 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>Linkage Method</td>
<td>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</td>
</tr>
<tr>
<td>Region of Interest</td>
<td>1 fixed region for main stream and sub-stream</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Image</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Resolution</td>
<td>2688 x 1520</td>
</tr>
<tr>
<td>Main Stream</td>
<td>50Hz: 25fps (2688 x 1520, 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720)</td>
</tr>
<tr>
<td></td>
<td>60Hz: 30fps (2688 x 1520, 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720)</td>
</tr>
<tr>
<td>Sub-Stream</td>
<td>50Hz: 25fps (640 x 480, 640 x 360, 320 x 240)</td>
</tr>
<tr>
<td></td>
<td>60Hz: 30fps (640 x 480, 640 x 360, 320 x 240)</td>
</tr>
</tbody>
</table>
### 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 adjustable by client software or web browser

### Target Cropping
- No

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

### 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

#### Security
- Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MDS), 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 (-S)
- 1 input (line in/mic.in), 1 output (line out), mono sound, terminal block

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

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

#### Video Output
- 1Vp-p composite output(75Ω) (For adjustment only)

#### On-board storage
- Built-in Micro SD/SDHC/SDXC slot, up to 128 GB

#### SVC
- H.264 and H.265 encoding

#### Reset Button
- Yes

### Audio (-S)

#### Environment Noise Filtering
- Yes

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

#### 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)

### 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%, terminal block
- PoE (802.3at, class 4)

#### Power Consumption and Current
- 12 VDC, 1.2A, max. 14.5W
- PoE (802.3at, 42.5V to 57V), 0.43A to 0.3A, max. 18W
**Protection Level**: IP67

**Material**: Metal

**Dimensions**: \( \Phi 105.1 \times 297.5 \text{ mm} \ (\Phi 4.1" \times 11.7") \)

**Weight**
- Camera: Approx. 1285 g (2.8 lb.)
- With Package: Approx. 1964 g (4.3 lb.)

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**Available Model:**

DS-2CD2643G1-IZ (2.8 to 12 mm), DS-2CD2643G1-IZS (2.8 to 12 mm)

**Dimensions**

![Dimensions Diagram]

**Accessories**

- DS-1276ZJ-SUS: Corner Mount
- DS-1260ZJ: Junction Box
- DS-1280ZJ-S: Junction Box
- DS-1275ZJ-S-SUS: Vertical Pole Mount