DS-2CD2183G0-IU
8 MP IR Fixed Dome Network Camera

- 1/2.5" Progressive Scan CMOS
- 3840 x 2160@15fps
- H.265, H.265+, H.264, H.264+
- Three streams
- 120dB WDR

- IR range: Up to 30 m
- IP66, IK10
- Built-in micro SD/SDHC/SDXC card slot, up to 128 GB
- 3-Axis adjustment
- Built-in microphone

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## Specifications

### Camera
- **Image Sensor**: 1/2.5” Progressive Scan CMOS
- **Min. Illumination**: Color: 0.028 Lux @ (F2.0, AGC ON), 0 Lux with IR
- **Shutter Speed**: 1/3 s to 1/100,000 s
- **Slow Shutter**: Yes
- **Day & Night**: IR Cut Filter
- **WDR**: 120 dB
- **Angle Adjustment**: Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°

### Lens
- **Lens Type**: Fixed lens, 2.8/4/6 mm
- **Aperture**: F2.0
- **FOV**: 2.8 mm, horizontal FOV: 102°, vertical FOV: 53°, diagonal FOV: 124°
  - 4 mm, horizontal FOV: 79°, vertical FOV: 42°, diagonal FOV: 95°
  - 6 mm, horizontal FOV: 50°, vertical FOV: 28°, diagonal FOV: 59°
- **Lens Mount**: M12

### Illuminator
- **IR Range**: Up to 30 m
- **Wavelength**: 850 nm

### Video
- **Max. Resolution**: 3840 × 2160
- **Main Stream**:
  - 50Hz: 12.5fps (3840 × 2160), 20fps (3072 × 1728), 25fps (2560 × 1440, 1920 × 1080, 1280 × 720)
  - 60Hz: 15fps (3840 × 2160), 20fps (3072 × 1728), 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)
- **Video Compression**:
  - Main stream/third stream: H.265/H.264
  - Sub-stream: H.265/H.264/MJPEG
- **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
- **Scalable Video Coding (SVC)**:
  - H.264 and H.265 encoding support

*When the main stream resolution is 3840 × 2160, max frame rate is 12.5 fps (50Hz)/15 fps (60Hz) for all streams. When the main stream resolution is 3072 × 1728, max frame rate is 20 fps for all streams.*

### Audio
- **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
8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz

### Smart Feature
- **Smart Event-Set**
  - **Smart Event**: Line crossing detection, intrusion detection and face 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
- **Region of Interest**: 1 fixed region for main stream and sub-stream

### Image
- **Image Enhancement**: BLC, HLC, 3D DNR
- **Image Setting**: Saturation, brightness, contrast, sharpness, AGC and white balance adjustable by client software or web browser
- **Day/Night Switch**: Day/Night/Auto/Schedule

### Network
- **Network Storage**: microSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS,SMB/CIFS), ANR
- **Protocols**: TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS
- **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
- **Communication Interface**: 1 RJ45 100M self-adaptive Ethernet port
- **Audio**: 1 audio input (built-in microphone)
- **On-board storage**: Built-in micro SD/SDHC/SDXC slot, up to 128 GB

### General
- **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)
- **General Function**: Anti-flicker, three streams, heartbeat, mirror, privacy masks, password reset via e-mail, pixel counter, HTTP listening
### Reset
Reset via reset button on camera body, web browser and client software

### Startup and Operating Conditions
-30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)

### Storage Conditions
-30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)

### 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 W; PoE: (802.3af, 36 V to 57 V), 0.3 A to 0.2 A, max. 8.5 W

### Material
Camera body: metal, bubble: plastic

### Dimensions
Camera: Φ121 × 92 mm (Φ4.8" × 3.6")
With package: 134 × 134 × 108 mm (5.3" × 5.3" × 4.3")

### Weight
Camera: Approx. 560 g (1.2 lb.)
With package: Approx. 800 g (1.8 lb.)

### Approval

#### EMC

#### Safety

#### Chemistry

#### Protection

* Listed resolutions are only selectable options. It does not mean that all streams can work at their maximum resolution at the same time.

### Available Model
DS-2CD2183G0-IU (2.8/4/6/8 mm)
Dimensions

Unit: mm (inch)

Accessory

- **DS-1277ZJ-120**: Wall Mount
- **DS-1277ZJ-120B**: Wall Mount
- **DS-1271ZJ-120**: Pendant Mount
- **DS-1275ZJ-SUS**: Vertical Pole Mount
- **DS-1276ZJ-SUS**: Corner Mount
- **DS-1253ZJ-M**: Rain Shade
- **DS-1280ZJ-DM46**: Junction Box