Key Features

- 1/2.8" progressive scan CMOS
- 1920 × 1080@30fps
- 2.8 mm/4 mm/6 mm fixed lens
- H.265+, H.265, H.264+, H.264
- Dual stream
- Digital WDR (Wide Dynamic Range)
- 3D DNR (Digital Noise Reduction)
- Up to 30 m IR range
- PoE (Power over Ethernet)
- IP67, IK10

DS-2CD112G0-I
2.0 MP IR Network Dome Camera

www.hikvision.com
# Specification

## Camera
- **Image Sensor**: 1/2.8” progressive scan CMOS
- **Min. Illumination**: Color: 0.01 Lux @ (F1.2, AGC ON), 0.028Lux @ (F2.0, AGC ON)
- **Shutter Speed**: 1/3 s to 1/100, 000 s
- **Slow Shutter**: Yes
- **Auto-Iris**: No
- **Day &Night**: IR cut filter
- **Digital Noise Reduction**: 3D DNR
- **WDR**: Digital WDR
- **Angle Adjustment**: Pan: 0° to 355°, tilt: 0° to 70°

## Lens
- **Focal length**: 2.8 mm, 4 mm, 6 mm
- **Aperture**: F2.0
- **Focus**: No
- **FOV**: 2.8 mm, horizontal FOV 114°, vertical FOV 62°, diagonal FOV 135°
  - 4 mm, horizontal FOV 86°, vertical FOV 46°, diagonal FOV 102°
  - 6 mm, horizontal FOV 54°, vertical FOV 30°, diagonal FOV 62°
- **Lens Mount**: M12

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

## Compression Standard
- **Video Compression**: Main stream: H.265/H.264
  - Sub stream: H.265/H.264/MJPEG
- **H.264 Type**: Baseline Profile/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 8 Mbps

## Smart Feature-set
- **Region of Interest**: 1 fixed region for main stream and sub-stream

## Image
- **Max. Resolution**: 1920 × 1080
- **Main Stream
  - Max. Frame Rate**: 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720)
  - 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
- **Sub-stream
  - Max. Frame Rate**: 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240)
  - 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
- **Image Enhancement**: BLC, 3D DNR
- **Image Setting**: Saturation, brightness, contrast, sharpness, AGC, white balance adjustable by client software or web browser
- **Day/Night Switch**: Auto, scheduled

## Network
- **Alarm Trigger**: Motion detection, video tampering alarm, illegal login
- **Protocols**: TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour
- **General Function**: Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark
- **Firmware Version**: 5.5.2
### Available Models

DS-2CD1123G0-I (2.8 mm), DS-2CD1123G0-I (4 mm), DS-2CD1123G0-I (6 mm)
**Dimension**

Φ 111 mm (4.4”)

82.4 mm (3.2”)

Φ 79 mm (3.1”)

**Accessory**

- **DS-1281ZJ-DM23**
  - Inclined ceiling mount

- **DS-1276ZJ-SUS**
  - Vertical Pole Mount

- **DS-1271ZJ-135**
  - Pendant Mount

- **DS-1276ZJ-SUS**
  - Corner Mount

- **DS-1273ZJ-135**
  - Wall Mount

- **DS-1273ZJ-135B**
  - Wall Mount

- **DS-1280ZJ-DM21**
  - Junction Box

- **DS-1250ZJ**
  - Rain Shade

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Hikvision

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Features and Functions

HD Input
- H.265+/H.265/H.264/H.264+ video formats
- Connectable to the third-party network cameras
- Up to 8 IP cameras can be connected
- Recording at up to 8 MP resolution
- Supports live view, storage, and playback of the connected camera at up to 8 MP resolution

HD Output
- HDMI/VGA simultaneous output (DS-7604NI-K1/4P (B))
- HDMI and VGA independent outputs (DS-7608NI-K1/8P(B))
- HDMI Video output at up to 4K (3840 × 2160) resolution

HD Storage
- 1 SATA interface connectable for recording and backup
- H.265+ compression effectively reduces the storage space and costs by up to 75%

HD Transmission
- 1 self-adaptive 10/100/1000 Mbps network interface
- 4/8 independent PoE network interfaces are provided

Various Applications
- Centralized management of IP cameras, including configuration, information import/export, real-time information display, two-way audio, upgrade, etc.
- Connectable to smart IP cameras from Hikvision and the recording, playing back, and backing up of VCA alarms can be realized
- VCA detection alarm is supported
- Instant playback for assigned channel during multi-channel display mode
- Smart search for the selected area in the video; and smart playback to improve the playback efficiency
- Hik-Connect for easy network management
## Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>DS-7604NI-K1/4P (B)</th>
<th>DS-7608NI-K1/8P (B)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Video/Audio input</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IP video input</td>
<td>4-ch</td>
<td>8-ch</td>
</tr>
<tr>
<td>Two-way audio</td>
<td>Up to 8 MP resolution</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1-ch, RCA (2.0 Vp-p, 1 kΩ)</td>
<td></td>
</tr>
<tr>
<td><strong>Network</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incoming bandwidth</td>
<td>40 Mbps</td>
<td>80 Mbps</td>
</tr>
<tr>
<td>Outgoing bandwidth</td>
<td>80 Mbps</td>
<td></td>
</tr>
<tr>
<td>Recording resolution</td>
<td>8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA /720p/VGA/4CIF/DCIF/ 2CIF/CIF/QCIF</td>
<td></td>
</tr>
<tr>
<td><strong>Video/Audio output</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HDMI output resolution</td>
<td>1-ch, 4K (3840 × 2160)/30Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz; HDMI/VGA simultaneous output</td>
<td>1-ch, 4K (3840 × 2160)/30Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz</td>
</tr>
<tr>
<td>VGA output resolution</td>
<td>1-ch, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz; HDMI/VGA simultaneous output</td>
<td>1-ch, 1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz</td>
</tr>
<tr>
<td>Audio output</td>
<td>1-ch, RCA (Linear, 1 kΩ)</td>
<td></td>
</tr>
<tr>
<td><strong>Decoding</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decoding format</td>
<td>H.265/H.264+/H.264+/MPEG4</td>
<td></td>
</tr>
<tr>
<td>Live view / Playback resolution</td>
<td>8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA /720p/VGA/4CIF/DCIF/ 2CIF/CIF/QCIF</td>
<td></td>
</tr>
<tr>
<td>Synchronous playback</td>
<td>4-ch</td>
<td>8-ch</td>
</tr>
<tr>
<td>Capability</td>
<td>1-ch @ 8 MP / 4-ch @ 1080p</td>
<td></td>
</tr>
<tr>
<td><strong>Network management</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Network protocols</td>
<td>TCP/IP, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS</td>
<td></td>
</tr>
<tr>
<td><strong>Hard disk</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SATA</td>
<td>1 SATA interface</td>
<td></td>
</tr>
<tr>
<td>Capacity</td>
<td>Up to 6TB capacity for each disk</td>
<td></td>
</tr>
<tr>
<td><strong>External interface</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Network interface</td>
<td>1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface</td>
<td></td>
</tr>
<tr>
<td>USB interface</td>
<td>2 × USB 2.0</td>
<td></td>
</tr>
<tr>
<td><strong>POE Interface</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interface</td>
<td>4, RJ-45 10/100 Mbps self-adaptive Ethernet interface</td>
<td>8, RJ-45 10/100 Mbps self-adaptive Ethernet interface</td>
</tr>
<tr>
<td>Power</td>
<td>≤ 50W</td>
<td>≤ 75W</td>
</tr>
<tr>
<td><strong>General</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power supply</td>
<td>48 VDC</td>
<td></td>
</tr>
<tr>
<td>Power</td>
<td>≤ 65 W</td>
<td>≤ 90 W</td>
</tr>
<tr>
<td>Consumption(without hard disk)</td>
<td>≤ 10 W (without enabling PoE)</td>
<td></td>
</tr>
<tr>
<td>Working temperature</td>
<td>-10 to +55º C (+14 to +131º F)</td>
<td></td>
</tr>
<tr>
<td>Working humidity</td>
<td>10 to 90 %</td>
<td></td>
</tr>
<tr>
<td>Chassis</td>
<td>1U chassis</td>
<td></td>
</tr>
<tr>
<td>Dimensions(W × D × H)</td>
<td>315 × 240 × 48 mm (12.4&quot; × 9.4&quot; × 1.9&quot;)</td>
<td></td>
</tr>
<tr>
<td>Weight(without hard disk)</td>
<td>≤ 1 kg (2.2 lb)</td>
<td></td>
</tr>
</tbody>
</table>
### Physical Interfaces

<table>
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<tr>
<th>Index</th>
<th>Description</th>
<th>Index</th>
<th>Description</th>
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<td>1</td>
<td>Network Interfaces with PoE function (4 interfaces for DS-7604NI-Q1/4P and 8 interfaces for DS-7608NI-Q1/8P)</td>
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<td>LAN Network Interface</td>
</tr>
<tr>
<td>2</td>
<td>AUDIO IN</td>
<td>7</td>
<td>USB 2.0 Interface.</td>
</tr>
<tr>
<td>3</td>
<td>AUDIO OUT</td>
<td>8</td>
<td>48VDC power supply</td>
</tr>
<tr>
<td>4</td>
<td>VGA Interface</td>
<td>9</td>
<td>Power Switch</td>
</tr>
<tr>
<td>5</td>
<td>HDMI Interface</td>
<td>10</td>
<td>GND</td>
</tr>
</tbody>
</table>

### Available Models

DS-7604NI-K1/4P (B), DS-7608NI-K1/8P (B)