# DS-2CD6D52G0-IH(S)

- High quality imaging with 5 MP resolution
- 3D DNR technology delivers clean and sharp images
- Efficient H.265 compression technology
- Clear imaging against strong back light due to 120 dB true WDR technology
- A built-in heater provides ultra-low temperature start-up to -40℃
- Water and dustresistant (IP67) and vandal proof (IK10)
- Built-in microphone for real-time audio security
- Easy installation with Power over Ethernet (PoE) technology

## ▪ Specification

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|---|---|
| **Camera** | |
| Shutter Time | 1 s to 1/100,000 s |
| Day & Night | ICR Cut |
| Min. Illumination | Color: 0.009 Lux @ (F1.6, AGC ON),<br>B/W: 0.0018 Lux @ (F1.6, AGC ON), 0 Lux with IR |
| Image Sensor | 1/2.7" Progressive Scan CMOS |
| Max. Resolution | 2560 x 1920 |
| Angle Adjustment | P: -90 to 90°; T: 0 to 60° (2.8mm), 0 to 70° (4/6mm); R: 0 to 355° |
| **Lens** | |
| Focal Length & FOV | 2.8mm @ F1.6 horizontal FOV 97°, vertical FOV 70°, diagonal FOV 128°<br>4 mm @ F1.6, horizontal FOV 79°, vertical FOV 57°, diagonal FOV 104°<br>6 mm @ F1.6, horizontal FOV 49°, vertical FOV 35°, diagonal FOV 63° |
| Lens Mount | M12 |
| Aperture | F1.6 |
| **DORI** | |
| DORI | 2.8 mm: D: 61.1 m, O: 24.2 m, R: 12.2 m, I: 6.1 m<br>4 mm: D: 85.4 m, O: 33.9, R: 17.1 m, I: 8.5 m<br>6 mm: D: 128.0 m, O: 50.8 m, R: 25.6 m, I: 12.8 m |
| **Illuminator** | |
| Supplement Light Type | IR |
| Supplement Light Range | Up to 10 m |
| Smart Supplement Light | Yes |
| IR Wavelength | 850 nm |
| **Video** | |
| Main Stream | 50 Hz: 25 fps (2560 × 1920, 2048 × 1536)<br>60 Hz: 30 fps (2560 × 1920, 2048 × 1536) |
| Sub-Stream | 50 Hz: 25 fps (640 × 480, 704 × 576)<br>60 Hz: 30 fps (640 × 480, 704 × 480) |
| Third Stream | 50 Hz: 25 fps (1920 × 1080, 1280 × 720, 640 × 480, 704 × 576)<br>60 Hz: 30 fps (1920 × 1080, 1280 × 720, 640 × 480, 704 × 480) |
| Video Compression | H.265+/H.265/H.264+/H.264/MJPEG |
| Video Bit Rate | 32 Kbps to 16 Mbps |
| H.264 Type | Baseline Profile/Main Profile/High Profile |
| H.265 Type | Main Profile |
| Bit Rate Control | CBR/VBR |
| Scalable Video Coding (SVC) | H.264 and H.265 encoding |
| Region of Interest (ROI) | 4 fixed regions for each stream |
| **Audio** | |
| Audio Type | Stereo |
| Audio Compression | G.711/G.722.1/G.726/MP2L2/PCM |
| Audio Bit Rate | 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2) |
| Audio Sampling Rate | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz |
| Environment Noise Filtering | Yes |

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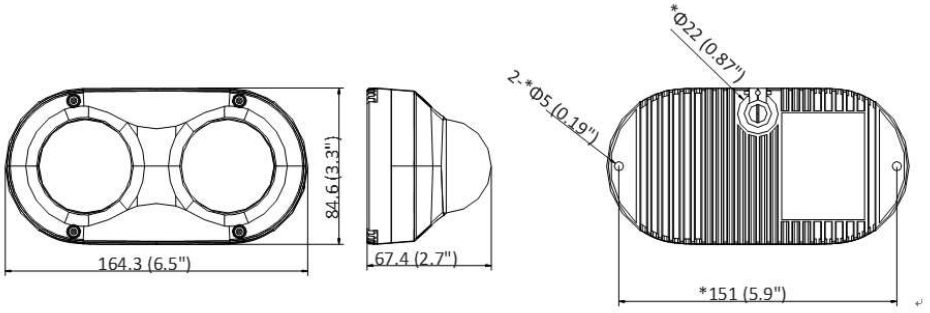
| **Network** | |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS |
| Simultaneous Live View | Up to 20 channels |
| API | ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK |
| Smooth Streaming | No |
| User/Host | Up to 32 users<br>3 user levels: administrator, operator, and user |
| Security | Password protection, complicated password, HTTPS encryption,802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, RTP/RTSP OVER HTTPS, Control Timeout Settings, TLS 1.2 |
| Network Storage | NAS (NFS, SMB/CIFS) |
| Client | iVMS-4200, Hik-Connect |
| Web Browser | Plug-in required live view: IE8+<br>Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+<br>Local service: Chrome 41.0+, Firefox 30.0+ |
| **Image** | |
| Image Parameters Switch | Yes |
| Image Settings | Rotate, saturation, brightness, contrast, sharpness, white balance<br>*Rotate and perimeter protection events (line crossing detection, intrusion detection, region entrance detection, region exiting detection) cannot be enabled at the same time. |
| Day/Night Switch | Day, Night, Auto, Schedule, Triggered by Alarm In (-S) |
| Wide Dynamic Range (WDR) | 120 dB |
| Image Enhancement | BLC, HLC, Defog, EIS, 3D DNR |
| Privacy Mask | Yes |
| Picture Overlay | LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format |
| **Interface** | |
| Ethernet Interface | 1 RJ45 10 M/100 M self-adaptive Ethernet port |
| On-Board Storage | Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB |
| Audio | Without -S: 2 built-in mics<br>-S: 2 built-in mics, 1 line in, 1 line out |
| Alarm | -S: 1 input, 1 output (max. 36 VDC, 30mA) |
| RS-485 | -S: 1 RS-485 interface, half duplex |
| Reset Key | Yes |
| **Event** | |
| Basic Event | Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error) |
| Smart Event | Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection<br>Scene change detection, audio exception detection |
| Linkage | Upload to FTP/NAS/memory card, send email |
| **General** | |
| Power | 12 VDC, 0.9 A, max. 11 W, Ø5.5 mm coaxial power plug<br>PoE: 802.3af, 36 V to 57 V, 0.3 A to 0.2 A, max. 11 W |

| | |
|---|---|
| Dimension | 164.3 × 84.6 × 67.4 mm (6.5" × 3.3" × 2.7") |
| Package Dimension | 227 × 172 × 125 mm (8.9" × 6.8" × 4.9") |
| Weight | Approx. 770 g (1.7 lb.) |
| With Package Weight | Approx. 1053 g (2.3 lb.) |
| Storage Conditions | -40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing) |
| Startup and Operating Conditions | -40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing) |
| 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 | Mirror, anti-flicker, heartbeat |
| Heater | Yes |
| **Approval** | |
| EMC | FCC (47 CFR Part 15, Subpart B);<br>CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014);<br>RCM (AS/NZS CISPR 32: 2015);<br>IC (ICES-003: Issue 6, 2016);<br>KC (KN 32: 2015, KN 35: 2015) |
| Safety | UL (UL 60950-1);<br>CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013);<br>CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013);<br>BIS (IS 13252(Part 1):2010+A1:2013+A2:2015) |
| Environment | CE-RoHS (2011/65/EU);<br>WEEE (2012/19/EU);<br>Reach (Regulation (EC) No 1907/2006) |
| Protection | Ingress protection: IP67, IK10 |

## ▪ Available Model

DS-2CD6D52G0-IHS(2.8mm)
DS-2CD6D52G0-IH(2.8mm)
DS-2CD6D52G0-IH(4mm)
DS-2CD6D52G0-IH(6mm)
DS-2CD6D52G0-IHS(4mm)
DS-2CD6D52G0-IHS(6mm)
DS-2CD6D52G0-IHS(2.8mm)(O1)
DS-2CD6D52G0-IHS(4mm)(O1)
DS-2CD6D52G0-IHS(6mm)(O1)
DS-2CD6D52G0-IH(2.8mm)(O1)
DS-2CD6D52G0-IH(4mm)(O1)
DS-2CD6D52G0-IH(6mm)(O1)
DS-2CD6D52G0-IHS(2.8mm)(USA-STD)
DS-2CD6D52G0-IHS(6mm)(USA-STD)

## ▪ Dimension



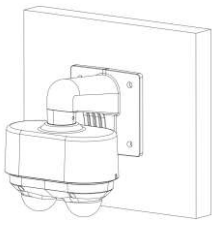
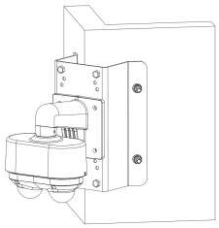

Unit:·mm(inch)

## ▪ Accessory

### ▪ Optional

| DS-1270ZJ-DE7 | DS-1270ZJ-DE7 | DS-1270ZJ-DE7 | DS-1270ZJ-DE7 | DS-1280ZJ-DE7 |
|---|---|---|---|---|
| | | | | |

### ▪ Installation Methods

| Wall Mounting<br>DS-1270ZJ-DE7+DS-1273ZJ-130 | Pendant Mounting<br>DS-1270ZJ-DE7+DS-1271ZJ-110 | Vertical Pole Mounting<br>DS-1270ZJ-DE7+DS-1275ZJ+DS-1273ZJ-130 | Corner Mounting<br>DS-1270ZJ-DE7+DS-1276ZJ+DS-1273ZJ-130 | Junction Box<br>DS-1280ZJ-DE7 |
|---|---|---|---|---|
|  | | |  | |

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