

## DS-2CD6924G0-IHS(C) 180° Stitched 8 MP PanoVu Camera



- 180° splicing image to present all scenes that covered by the camera
- Built-in heater, ultra-low temperature start up to -40 °C (-40 °F)
- Water and dust resistant (IP67) and vandal proof (IK10)
- Smart human density counting and public behaviors analysis to increase public area safety



## ▪ Specification

| Camera                 |   |
|------------------------|---|
| Image Sensor           | 1/1.8" Progressive Scan CMOS  |
| Max. Resolution        | Panorama+ePTZ mode: panorama channel: 1920 × 1080; ePTZ channel: 1920 × 1080<br>Panorama mode: 3840 × 2160<br>Original mode: 1920 × 1080  |
| Min. Illumination      | Color: 0.009 Lux @ (F1.6, AGC ON)<br>B/W: 0.0018 Lux @ (F1.6, AGC ON), 0 Lux with IR  |
| Shutter Time           | 1/25 s to 1/100,000 s   |
| Day & Night            | IR cut filter. Blue glass module to reduce ghost phenomenon.  |
| Angle Adjustment       | Pan: 0° to 355°, tilt: 0° to 90°  |
| Lens                   |   |
| Lens Type              | Fixed focal lens, 2.8 mm, four lenses   |
| Focal Length & FOV     | 2.8 mm, horizontal FOV 180°, vertical FOV 90°   |
| Lens Mount             | M16   |
| Aperture               | F1.6  |
| DORI                   |   |
| DORI                   | 2.8 mm: D: 32 m, O: 12.5 m, R: 6.5 m, I: 3 m  |
| Illuminator            |   |
| Supplement Light Type  | IR, four IR LEDs  |
| Supplement Light Range | Up to 20 m  |
| IR Wavelength          | 850 nm  |
| Video                  |   |
| Main Stream            | Panorama+ePTZ mode:<br>Panorama channel:<br>50 Hz: 25 fps (1920 × 1080, 1280 × 720)<br>60 Hz: 30 fps (1920 × 1080, 1280 × 720)<br>ePTZ channel:<br>50 Hz: 25 fps (1920 × 1080, 1280 × 720)<br>60 Hz: 30 fps (1920 × 1080, 1280 × 720)<br>Panorama mode:<br>50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080)<br>60 Hz: 30 fps (3840 × 2160, 2560 × 1440, 1920 × 1080)<br>Original mode:<br>50 Hz: 25 fps (1920 × 1080)<br>60 Hz: 30 fps (1920 × 1080) |
| Sub-Stream             | Panorama mode:<br>50 Hz: 25 fps (1280 × 720, 640 × 360)<br>60 Hz: 30 fps (1280 × 720, 640 × 360)  |
| Video Compression      | Main stream: H.265+/H.265/H.264+/H.264/MJPEG (panorama + ePTZ mode, panorama mode)<br>Sub-stream: H.265/H.264/MJPEG (original mode)   |
| Video Bit Rate         | 32 Kbps to 64 Mbps  |
| H.264 Type             | Baseline Profile/ Main Profile/ High Profile  |

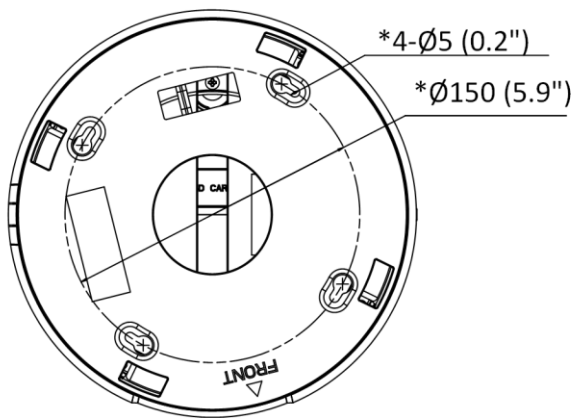
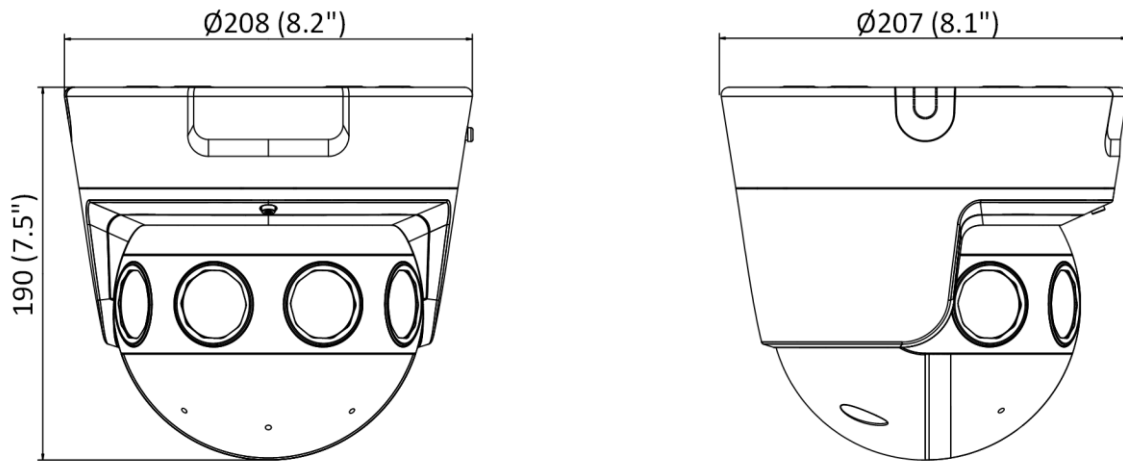
|                             |  |
|-----------------------------|--|
| H.265 Type                  | Main Profile   |
| Scalable Video Coding (SVC) | H.264 and H.265 encoding   |
| Target Cropping             | Yes (only panorama mode supports)  |
| <b>Audio</b>                |  |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC   |
| Audio Bit Rate              | 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)  |
| Audio Sampling Rate         | 8 kHz/16 kHz/32 kHz/48 kHz   |
| Environment Noise Filtering | Yes  |
| <b>Network</b>              |  |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour  |
| Simultaneous Live View      | Up to 20 channels  |
| API                         | Open Network Video Interface (PROFILE S, PROFILE G), ISAPI, SDK, ISUP  |
| User/Host                   | Up to 32 users. 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 Open Network Video Interface, RTP/RTSP over HTTPS, control timeout settings, TLS1.1, TLS 1.2, TLS1.3 |
| Network Storage             | NAS (NFS,SMB/CIFS), ANR  |
| Client                      | iVMS-4200  |
| Web Browser                 | Plug-in required live view: IE 10, IE 11<br>Plug-in free live view: Safari 12+<br>Local service: Chrome 57+, Firefox 52+   |
| <b>Image</b>                |  |
| Image Settings              | Rotate mode (only original mode supports), saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser  |
| Day/Night Switch            | Day/Night/Auto/Schedule/Triggered by Alarm In  |
| Wide Dynamic Range (WDR)    | Digital WDR  |
| Image Enhancement           | BLC, HLC, 3D DNR, Defog, EIS (only the original mode supports)   |
| Privacy Mask                | 4 programmable polygon privacy masks, Only original mode supports.   |
| Picture Overlay             | LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format   |
| <b>Interface</b>            |  |
| Ethernet Interface          | 1 RJ45 10 M/100 M/1000 M Ethernet port   |
| On-Board Storage            | Built-in memory card slot, support microSD/SDHC/SDXC card (up to 256 GB)   |
| Audio                       | 1 input (line in), 3.5 mm, three-contact, max. input amplitude: 1 vpp, input impedance: 4.7 K $\Omega$ , interface type: non-equilibrium;<br>1 output (line out), 3.5 mm, three-contact, max. output amplitude: 1 vpp, output impedance: 100 $\Omega$ , interface type: non-equilibrium  |
| Alarm                       | 2 inputs, 2 outputs (max. 24 VDC, 1 A)   |
| RS-485                      | 1 RS-485 interface (half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)   |
| Reset Key                   | Yes  |
| <b>Event</b>                |  |
| Basic Event                 | Motion detection, 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, scene change detection, audio exception, unattended baggage detection, object removal detection (Only panorama mode supports.)   |
| Linkage                          | Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, trigger capture   |
| <b>Deep Learning Function</b>    |   |
| People Density                   | Yes (only panorama mode supports)   |
| <b>General</b>                   |   |
| Power                            | 12 VDC, 1.4 A, max. 24 W, three-core terminal block<br>PoE: 802.3at, 42.5 V to 57 V, 0.5 to 0.4 A   |
| Material                         | Aluminum alloy  |
| Dimension                        | 190 mm × 208 mm × 207 mm (7.5" × 8.2" × 8.1")   |
| Package Dimension                | 340 mm × 261 mm × 293 mm (13.4" × 10.3" × 11.5")  |
| Weight                           | Approx. 3350 g (6.6 lb.)  |
| With Package Weight              | Approx. 5420 g (11 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                         | 33 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), Ukrainian |
| General Function                 | Anti-flicker, heartbeat, mirror (only original mode and panorama mode supports), password protection, watermark, IP address filter, pixel counter (only panorama mode supports)   |
| Heater                           | Yes   |
| <b>Approval</b>                  |   |
| EMC                              | FCC: 47 CFR Part 15, Subpart B<br>CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3:2013+A1:2019, EN 50130-4: 2011 +A1: 2014<br>RCM: AS/NZS CISPR 32: 2015<br>IC: ICES-003: Issue 7<br>KC: KN 32: 2015, KN 35: 2015   |
| Safety                           | UL: UL 62368-1<br>CB: IEC 62368-1:2014+A11<br>CE-LVD: EN 62368-1:2014/A11:2017<br>BIS: IS 13252 (Part 1): 2010/IEC 60950-1 : 2005<br>LOA: IEC/EN 60950-1  |
| Environment                      | CE-RoHS: 2011/65/EU<br>WEEE: 2012/19/EU<br>Reach: Regulation (EC) No 1907/2006  |
| Protection                       | IP67: IEC 60529-2013, IK10: IEC 62262:2002  |

▪ **Available Model**

DS-2CD6924G0-IHS(C) (2.8 mm)

▪ **Dimension**



Unit: mm (inch)

▪ **Accessory**

▪ **Optional**

| DS-1661ZJ<br>Pendant Mount  | DS-1602ZJ<br>Wall Mount   |
|---|---|
|  |  |

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