

## DS-2CD2721G0-IZ 2 MP WDR Varifocal Dome Network Camera



- High quality imaging with 2 MP resolution
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 120 dB true WDR technology
- Supports Corridor mode
- Motorized varifocal lens for easy installation and monitoring
- Audio and alarm interface available
- Water and dust resistant (IP67) and vandal proof (IK10)
- Robust structure design with full metal materials

## ▪ Specification

| Camera                      |                                                                                                                                         |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/2.7" Progressive Scan CMOS                                                                                                            |
| Max. Resolution             | 1920 × 1080                                                                                                                             |
| Min. Illumination           | Color: 0.005 Lux @(F1.6, AGC ON), B/W: 0 Lux with IR                                                                                    |
| Shutter Time                | 1/3 s to 1/100,000 s                                                                                                                    |
| Day & Night                 | IR Cut Filter                                                                                                                           |
| Angle Adjustment            | Pan: 0° to 355°, tilt: 0° to 75°, rotation: 0° to 355°                                                                                  |
| Lens                        |                                                                                                                                         |
| Lens Type                   | Varifocal Lens, motorized lens, Auto Focus, 2.8 to 12 mm                                                                                |
| Focal Length & FOV          | 2.8 to 12 mm: horizontal FOV 98° to 30°, vertical FOV 56° to 21°                                                                        |
| Lens Mount                  | Ø14                                                                                                                                     |
| Iris Type                   | Fixed                                                                                                                                   |
| Aperture                    | F1.6                                                                                                                                    |
| Illuminator                 |                                                                                                                                         |
| Supplement Light Range      | Up to 40 m                                                                                                                              |
| IR Wavelength               | 850 nm                                                                                                                                  |
| Video                       |                                                                                                                                         |
| Main Stream                 | 50 Hz: 25 fps (1920 × 1080, 1280 × 720)<br>60 Hz: 30 fps (1920 × 1080, 1280 × 720)                                                      |
| Sub-Stream                  | 50 Hz: 25 fps (720 × 480, 640 × 360, 352 × 288)<br>60 Hz: 30 fps (720 × 480, 640 × 360, 352 × 288)                                      |
| Video Compression           | Main stream: H.265+/H.265/H.264+/H.264<br>Sub-stream: H.265/H.264/MJPEG                                                                 |
| Video Bit Rate              | 32 Kbps to 8 Mbps                                                                                                                       |
| H.264 Type                  | Baseline Profile/Main Profile/High Profile                                                                                              |
| H.265 Type                  | Main Profile                                                                                                                            |
| Region of Interest (ROI)    | 1 fixed region for main stream                                                                                                          |
| Audio                       |                                                                                                                                         |
| Audio Compression           | G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC                                                                                         |
| Audio Bit Rate              | 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC)                                            |
| Audio Sampling Rate         | 8 kHz/16 kHz                                                                                                                            |
| Environment Noise Filtering | Yes                                                                                                                                     |
| Network                     |                                                                                                                                         |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour       |
| Simultaneous Live View      | Up to 6 channels                                                                                                                        |
| User/Host                   | Up to 32 users. 3 levels: administrator, operator and user                                                                              |
| Client                      | iVMS-4200, Hik-Connect                                                                                                                  |
| Web Browser                 | Plug-in required live view: IE 10+<br>Plug-in free live view: Chrome 57.0+, Firefox 52.0+<br>Local service: Chrome 57.0+, Firefox 52.0+ |
| API                         | Open Network Video Interface (Profile S,T&G) , ISAPI                                                                                    |

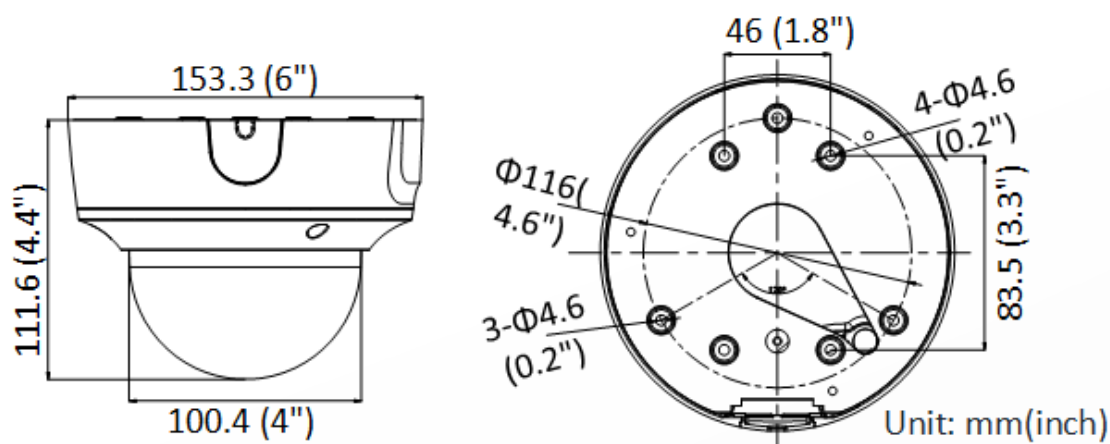
| Image                            |                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Settings                   | Rotate mode, Automatic white balance, saturation, brightness, contrast, sharpness adjustable by client software or web browser                                                                                                                                                                                                                        |
| Day/Night Switch                 | Auto, Schedule, Day, Night                                                                                                                                                                                                                                                                                                                            |
| Wide Dynamic Range (WDR)         | 120 dB                                                                                                                                                                                                                                                                                                                                                |
| Image Enhancement                | BLC,HLC, 3D DNR                                                                                                                                                                                                                                                                                                                                       |
| Interface                        |                                                                                                                                                                                                                                                                                                                                                       |
| Ethernet Interface               | 1 RJ45 10 M/100 M self-adaptive Ethernet port                                                                                                                                                                                                                                                                                                         |
| Audio                            | 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 K $\Omega$ , interface type: non-equilibrium<br>1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 $\Omega$ , interface type: non-equilibrium                                                        |
| On-Board Storage                 | Built-in memory card slot, support microSD card, up to 256 GB, ANR                                                                                                                                                                                                                                                                                    |
| Alarm                            | 1 input,1 output, (max. 12 VDC, 30 mA)                                                                                                                                                                                                                                                                                                                |
| Reset Key                        | Yes                                                                                                                                                                                                                                                                                                                                                   |
| Event                            |                                                                                                                                                                                                                                                                                                                                                       |
| Basic Event                      | Motion detection, video tampering alarm, exception                                                                                                                                                                                                                                                                                                    |
| Smart Event                      | Line crossing detection, intrusion detection, HDD/SD Card error                                                                                                                                                                                                                                                                                       |
| Linkage                          | Upload to FTP, notify surveillance center HTTP, send email, upload to memory card, trigger recording, trigger capture, Lens block, audible warning, trigger alarm output, Snapshot,                                                                                                                                                                   |
| General                          |                                                                                                                                                                                                                                                                                                                                                       |
| Power                            | 12 VDC $\pm$ 25%, 0.8 A, max. 10 W, $\varnothing$ 5.5 mm coaxial power plug<br>PoE: (802.3af, Class 3, 36 V to 57 V), 0.21 A to 0.33 A, max. 12 W                                                                                                                                                                                                     |
| Material                         | Metal                                                                                                                                                                                                                                                                                                                                                 |
| Dimension                        | $\varnothing$ 153 .3 mm $\times$ 111.6 mm (6" $\times$ 4.4 ")                                                                                                                                                                                                                                                                                         |
| Package Dimension                | 239 mm $\times$ 169 mm $\times$ 160 mm (9.4" $\times$ 6.7" $\times$ 6.3")                                                                                                                                                                                                                                                                             |
| Weight                           | Approx. 880 g (1.9 lb.)                                                                                                                                                                                                                                                                                                                               |
| With Package Weight              | Approx. 1300 g (2.9 lb.)                                                                                                                                                                                                                                                                                                                              |
| Storage Conditions               | -30 $^{\circ}$ C to +60 $^{\circ}$ C (-22 $^{\circ}$ F to +140 $^{\circ}$ F). Humidity 95% or less (non-condensing)                                                                                                                                                                                                                                   |
| Startup and Operating Conditions | -30 $^{\circ}$ C to +60 $^{\circ}$ C (-22 $^{\circ}$ F to +140 $^{\circ}$ 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, password protection, unauthorized login, privacy mask, watermark, IP address filter                                                                                                                                                                                                                                  |
| Approval                         |                                                                                                                                                                                                                                                                                                                                                       |
| EMC                              | FCC SDoC: 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 VoC: 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, IEC 62368-1:2014;<br>CE-LVD: EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014;<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  | IP67: IEC 60529-2013;<br>IK10: IEC 62262:2002                                                                                                                                                          |

## ▪ Available Model

DS-2CD2721G0-I(2.8-12mm)  
 DS-2CD2721G0-IZS(2.8-12mm)  
 DS-2CD2721G0-IS(2.8-12mm)  
 DS-2CD2721G0-IZ(2.8-12mm)  
 HQ-MP202812KLT-IR-MZ(2.8-12mm)/ALKAM/C  
 DS-2CD2721G0-IZS(2.8-12mm)(HIK BRA)SKD  
 DS-2CD2721G0-I(2.8-12mm)(C)  
 DS-2CD2721G0-IZ(2.8-12mm)(C)  
 DS-2CD2721G0-IZS(2.8-12mm)(C)  
 DS-2CD2721G0-I(2.8-12mm)(RUS Torgovyi)  
 DS-2CD2721G0-IZ(2.8-12mm)(Black)Overseas  
 DS-2CD2721G0-IZS(2.8-12mm)CKD  
 DS-2CD2721G0-IZS(2.8-12mm)(C)(USA-NEU)

## ▪ Dimension



## ▪ Accessory

## ▪ Optional

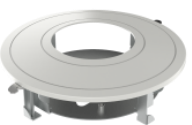
DS-1473ZJ-155B

DS-1275ZJ-SUS

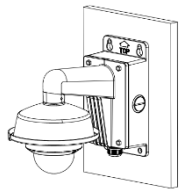
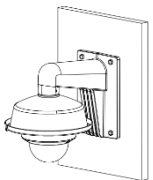
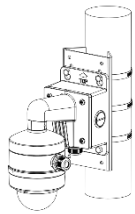
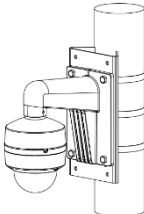
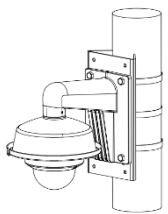
DS-1475ZJ-SUS

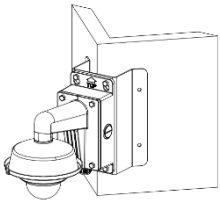
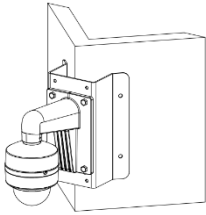
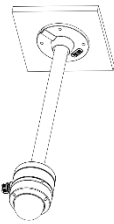
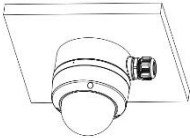
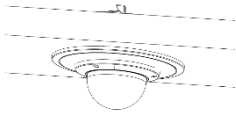
DS-1473ZJ-155

DS-1276ZJ-SUS

|                                                                                     |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|    |  |  |  |  |
| <b>DS-1476ZJ-SUS</b>                                                                | <b>DS-1471ZJ-155</b>                                                              | <b>DS-1280ZJ-DM55</b>                                                             | <b>DS-1475ZJ-SUS</b>                                                                | <b>DS-1227ZJ-DM44</b>                                                               |
|    |  |  |  |  |
| <b>DS-1250ZJ</b>                                                                    |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|  |                                                                                   |                                                                                   |                                                                                     |                                                                                     |

## ■ Installation Methods

|                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Wall Mounting</b><br><b>DS-1473ZJ-155B+DS-1253ZJ-L</b>                           | <b>Wall Mounting</b><br><b>DS-1473ZJ-155+DS-1253ZJ-L</b>                            | <b>Vertical Pole Mounting</b><br><b>DS-1275ZJ-SUS+DS-1473ZJ-155B+DS-1280ZJ-DM55</b> | <b>Vertical Pole Mounting</b><br><b>DS-1475ZJ-SUS+DS-1473ZJ-155</b>                  | <b>Vertical Pole Mounting</b><br><b>DS-1475ZJ-SUS+DS-1473ZJ-155+DS-1253ZJ-L</b>       |
|  |  |  |  |  |
| <b>Corner Mounting</b><br><b>DS-1276ZJ-SUS+DS-1473ZJ-155B+DS-1253ZJ-L</b>           | <b>Corner Mounting</b><br><b>DS-1476ZJ-SUS+DS-1473ZJ-155</b>                        | <b>Pendant Mounting</b><br><b>DS-1471ZJ-155+DS-1280ZJ-DM55</b>                      | <b>Junction Box</b><br><b>DS-1280ZJ-DM55</b>                                         | <b>In-Ceiling Mounting</b><br><b>DS-1227ZJ-DM44</b>                                   |

|                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |
| <p><b>Others</b><br/><b>DS-1250ZJ</b></p>                                         |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
|  |                                                                                   |                                                                                   |                                                                                    |                                                                                     |

# See Far, Go Further



[www.hikvision.com](http://www.hikvision.com)  
[support@hikvision.com](mailto:support@hikvision.com)

