

**DS-2CD2746G2-IZS**

**AcuSense 4 MP IR Varifocal Dome Network Camera**



- High quality imaging with 4 MP resolution
- Excellent low-light performance with powered-by-DarkFighter technology
- Clear imaging against strong back light due to 120 dB true WDR technology
- Efficient H.265+ compression technology
- False alarm reduction through human and vehicle target classification based on deep learning
- -S: audio and alarm interface available
- Water and dust resistant (IP66) and vandal-resistant (IK10)
- 3D DNR technology delivers clean and sharp images

## AcuSense

Empowered by deep learning algorithms, Hikvision AcuSense technology brings human or vehicle target classification alarms to front- and back-end devices. The system can greatly reduce false alarms generated by targets other than humans or vehicles, vastly improving alarm efficiency and effectiveness.



## ▪ Specification

| Camera                      |                                                                                                                        |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/2.7" Progressive Scan CMOS                                                                                           |
| Min. Illumination           | Color: 0.003 Lux @ (F1.4, AGC ON)                                                                                      |
| Day & Night                 | ICR Cut                                                                                                                |
| Shutter Speed               | 1/3 s to 1/100,000 s                                                                                                   |
| Angle Adjustment            | Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°                                                                   |
| Slow Shutter                | Yes                                                                                                                    |
| P/N                         | P/N                                                                                                                    |
| Wide Dynamic Range          | 120 dB                                                                                                                 |
| Power-off Memory            | Yes                                                                                                                    |
| Lens                        |                                                                                                                        |
| Lens Type & FOV             | 2.8 to 12 mm, horizontal FOV 108° to 30°, vertical FOV 56° to 17°, diagonal FOV 131° to 35°                            |
| Aperture                    | F1.4                                                                                                                   |
| Lens Mount                  | Ø14                                                                                                                    |
| Aperture Type               | Fixed                                                                                                                  |
| Focus                       | Auto                                                                                                                   |
| Illuminator                 |                                                                                                                        |
| IR Range                    | Up to 40 m                                                                                                             |
| Wavelength                  | 850 nm                                                                                                                 |
| Smart Supplement Light      | Yes                                                                                                                    |
| Supplement Light            | IR                                                                                                                     |
| Video                       |                                                                                                                        |
| Max. Resolution             | 2592 × 1944                                                                                                            |
| Main Stream                 | 50Hz: 20fps (2592 × 1944)<br>25fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)                                 |
|                             | 60Hz: 20fps (2944 × 1656)<br>30fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)                                 |
| Sub Stream                  | 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240)<br>60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)                         |
| Third Stream                | 50Hz: 25fps (1280 × 720, 640 × 480, 640 × 360, 360 × 240)<br>60Hz: 30fps (1280 × 720, 640 × 480, 640 × 360, 360 × 240) |
| Video Compression           | Main stream: H.265/H.264<br>Sub-stream: H.265/H.264/MJPEG<br>Third stream: H.265/H.264                                 |
| Video Bit Rate              | 32 Kbps to 8 Mbps                                                                                                      |
| H.264 Type                  | Baseline Profile/Main Profile/High Profile                                                                             |
| H.265 Type                  | Main Profile                                                                                                           |
| H.264+                      | Main Stream supports                                                                                                   |
| H.265+                      | Main Stream supports                                                                                                   |
| Bit Rate Control            | CBR/VBR                                                                                                                |
| Scalable Video Coding (SVC) | Yes                                                                                                                    |
| Region of Interest (ROI)    | 1 fixed regions for each stream                                                                                        |

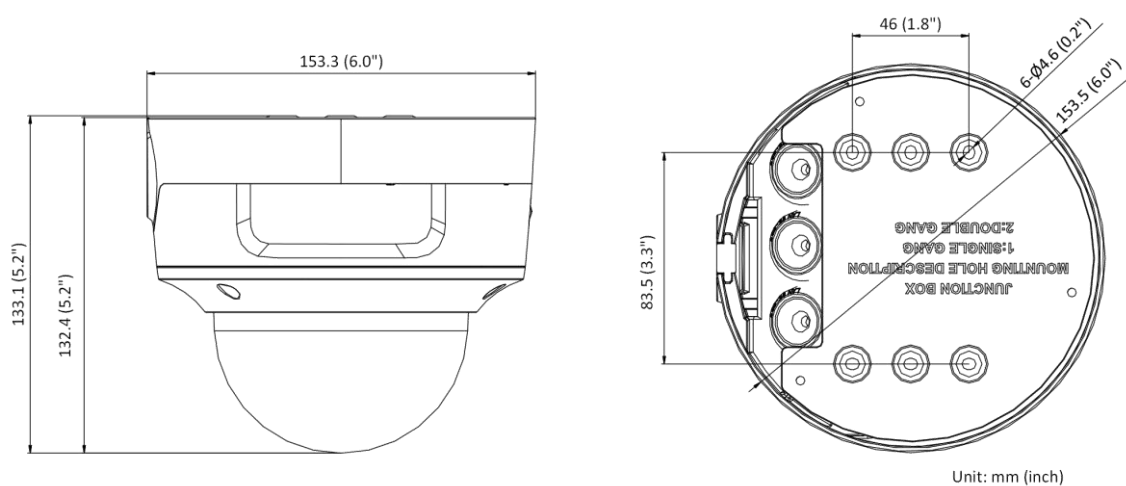
| Audio                                 |                                                                                                                                                                                                                                                               |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environment Noise Filtering           | Yes                                                                                                                                                                                                                                                           |
| Audio Sampling Rate                   | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz                                                                                                                                                                                                                           |
| Audio Compression                     | G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3                                                                                                                                                                                                               |
| Audio Bit Rate                        | 64Kbps(G.711ulaw/G.711alaw)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/8-320Kbps(MP3)                                                                                                                                                                    |
| Network                               |                                                                                                                                                                                                                                                               |
| Simultaneous Live View                | Up to 6 channels                                                                                                                                                                                                                                              |
| API                                   | ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK                                                                                                                                                                                                           |
| Protocols                             | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS                                                                                                                                   |
| Smooth Streaming                      | Yes                                                                                                                                                                                                                                                           |
| User/Host                             | Up to 32 users. 3 user levels: administrator, operator and user                                                                                                                                                                                               |
| Security                              | Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.2, WSSE and digest authentication for ONVIF                                                         |
| Network Storage                       | microSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)<br>Together with high-end Hikvision memory card, memory card encryption and health detection are supported                                           |
| Client                                | iVMS-4200, Hik-Connect, Hik-Central                                                                                                                                                                                                                           |
| Web Browser                           | Plug-in required live view: IE8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11<br>Plug-in free live view: Chrome 57.0+, Firefox 52.0+                                                                                                                       |
| Image                                 |                                                                                                                                                                                                                                                               |
| Day/Night Switch                      | Day, Night, Auto, Schedule                                                                                                                                                                                                                                    |
| Image Enhancement                     | BLC, HLC, 3D DNR                                                                                                                                                                                                                                              |
| Image Parameters Switch               | Yes                                                                                                                                                                                                                                                           |
| Image Settings                        | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser                                                                                                                                    |
| Interface                             |                                                                                                                                                                                                                                                               |
| Alarm                                 | 1 input, 1 output (max. 24 VDC/24 VAC @500 mA)                                                                                                                                                                                                                |
| Audio                                 | 1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium |
| On-board Storage                      | Built-in micro SD slot, up to 256 GB                                                                                                                                                                                                                          |
| Hardware Reset                        | Yes                                                                                                                                                                                                                                                           |
| Communication Interface               | 1 RJ45 10M/100M self-adaptive Ethernet port                                                                                                                                                                                                                   |
| Intelligent (Traditional Algorithm)   |                                                                                                                                                                                                                                                               |
| Basic Event                           | Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error), scene change detection                                                                                                    |
| Intelligent (Deep Learning Algorithm) |                                                                                                                                                                                                                                                               |
| Face Capture                          | Yes                                                                                                                                                                                                                                                           |
| Premier Protection                    | Line crossing detection, intrusion detection, region entrance detection, region exiting detection                                                                                                                                                             |
| General                               |                                                                                                                                                                                                                                                               |
| Storage Conditions                    | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)                                                                                                                                                                                     |

|                                  |                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Startup and Operating Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)                                                                                                                                                                                                                                                                    |
| Power Supply                     | 12 VDC ± 25%, reverse polarity protection<br>PoE: 802.3af , class 3                                                                                                                                                                                                                                                                          |
| Power Consumption and Current    | 12 VDC, 0.9 A, max. 10.8 W<br>PoE: (802.3af, 36 V to 57 V), 0.36 A to 0.23 A, max. 12.9 W                                                                                                                                                                                                                                                    |
| Power Interface                  | Two-core terminal block                                                                                                                                                                                                                                                                                                                      |
| Material                         | Metal                                                                                                                                                                                                                                                                                                                                        |
| Camera Dimension                 | Ø153.5 × 133.1 mm (6.0" × 5.2")                                                                                                                                                                                                                                                                                                              |
| Package Dimension                | 244 × 174 × 173 mm (9.6" × 6.9" × 6.8")                                                                                                                                                                                                                                                                                                      |
| Camera Weight                    | 830 g (1.8 lb.)                                                                                                                                                                                                                                                                                                                              |
| With Package Weight              | 1709 g (3.8 lb.)                                                                                                                                                                                                                                                                                                                             |
| Linkage Method                   | Upload to NAS/memory card, notify surveillance center, trigger record, trigger capture, strobe light, audible warning<br>*Note: External device is required.                                                                                                                                                                                 |
| Web Client Language              | 32 languages<br>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, heartbeat, mirror, privacy masks, flash log, password reset via e-mail, pixel counter                                                                                                                                                                                                                                         |
| Software Reset                   | Yes                                                                                                                                                                                                                                                                                                                                          |
| <b>Approval</b>                  |                                                                                                                                                                                                                                                                                                                                              |
| EMC                              | FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)                                                                                                                       |
| Safety                           | UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)                                                                                                                                                          |
| Environment                      | CE-ROHS (2011/65/EU); WEEE (2012/19/EU); REACH (Regulation (EC) No 1907/2006)                                                                                                                                                                                                                                                                |
| Protection                       | Ingression protection: IP66 (IEC 60529-2013), IK10(IEC 62262:2002)                                                                                                                                                                                                                                                                           |

## ▪ Available Model

DS-2CD2746G2-IZS(2.8 to 12 mm)

## ▪ Dimension



## ▪ Accessory



DS-1473ZJ-155  
Wall Mount



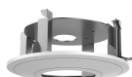
DS-1476ZJ-SUS  
Corner Mount



DS-1471ZJ-155  
Pendent Mount



DS-1475ZJ-SUS  
Vertical Pole Mount



DS-1227ZJ-DM37  
Inceiling Mount



DS-1473ZJ-155B  
Wall Mount



Distributed by



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