

DS-2CD2766G2-IZS

6 MP AcuSense Powered-by-DarkFighter Motorized Varifocal Dome Network Camera

AcuSense

Powered by

DarkFighter



Empowered by deep learning algorithms, Hikvision AcuSense technology brings human and vehicle targets classification alarms to front- and back-end devices. The system focuses on human and vehicle targets, vastly improving alarm efficiency and effectiveness.

- High quality imaging with 6 MP resolution
- Motorized varifocal lens for easy installation and monitoring
- Excellent low-light performance with powered-by-DarkFighter technology
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 120 dB true WDR technology
- Focus on human and vehicle targets classification based on deep learning
- Audio and alarm interface available
- Water and dust resistant (IP66) and vandal proof (IK10)



▪ Specification

| Camera | |
|-----------------------------|--|
| Image Sensor | 1/2.4" Progressive Scan CMOS |
| Max. Resolution | 3200 × 1800 |
| Min. Illumination | Color: 0.003 Lux @ (F1.4, 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°,rotate: 0° to 355° |
| Lens | |
| Lens Type | Varifocal lens, motorized lens, 2.8 to 12 mm |
| Focal Length & FOV | 2.8 to 12 mm, horizontal FOV 99° to 35°, vertical FOV 53° to 20°, diagonal FOV 117° to 41° |
| Lens Mount | Ø14 |
| Iris Type | Fixed |
| Aperture | F1.4 |
| DORI | |
| DORI | 2.8 to 12 mm: Wide: D: 80 m, O: 31 m, R: 16 m, I: 8 m Tele: D: 210 m, O: 83 m, R: 42 m, I: 21 m |
| Illuminator | |
| Supplement Light Type | IR |
| Supplement Light Range | Up to 40 m |
| Smart Supplement Light | Yes |
| IR Wavelength | 850 nm |
| Video | |
| Main Stream | 50 Hz: 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) |
| Sub-Stream | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) |
| Third Stream | 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) |
| 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 |
| Video Compression | Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264 |
| Region of Interest (ROI) | 1 fixed region(s) for main stream and sub-stream |
| Audio | |
| Audio Type | Mono sound |
| Audio Compression | G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC |
| Audio Bit Rate | 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC) |

| | |
|-----------------------------|--|
| Audio Sampling Rate | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz |
| Environment Noise Filtering | Yes |
| Network | |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP |
| Simultaneous Live View | Up to 6 channels |
| API | Open Network Video Interface (Profile S, Profile G, Profile T),ISAPI,SDK |
| 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, security audit log, TLS 1.2, TLS 1.3, host authentication (MAC address) |
| Network Storage | NAS (NFS, SMB/CIFS),Auto Network Replenishment (ANR),Together with high-end Hikvision memory card, memory card encryption and health detection are supported. |
| Client | iVMS-4200,iVMS-4500,iVMS-5200,Hik-Connect |
| Web Browser | Plug-in required live view: IE10+, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 12+, Local service: Chrome 57.0+, Firefox 52.0+ |
| Image | |
| Image Parameters Switch | Yes |
| Image Settings | Mirror, privacy mask,saturation,brightness,contrast,sharpness,gain,white balance,adjustable by client software or web browser |
| Day/Night Switch | Day,Night,Auto,Schedule |
| Wide Dynamic Range (WDR) | 120 dB |
| SNR | ≥ 52 dB |
| Image Enhancement | BLC,HLC,3D DNR |
| Privacy Mask | 4 programmable polygon privacy masks |
| Interface | |
| Ethernet Interface | 1 RJ45 10 M/100 M self-adaptive Ethernet port |
| 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, mono sound |
| On-Board Storage | Built-in memory card slot, support microSD card, up to 256 GB |
| Alarm | 1 input, 1 output (max. 24 VDC, 1 A) |
| Reset Key | Yes |
| Event | |
| Basic Event | Motion detection (support alarm triggering by specified target types (human and vehicle)),video tampering alarm,exception, alarm input and output |
| Smart Event | Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)),Scene change detection |

| | |
|----------------------------------|---|
| Linkage | Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger recording,trigger capture,trigger alarm output, audible warning |
| Deep Learning Function | |
| Face Capture | Yes |
| General | |
| Power | 12 VDC \pm 25%, 0.88 A, max. 10.5 W,reverse polarity protection, PoE: 802.3af, Class 3, 36 V to 57 V, 0.35 A to 0.22 A, max. 12.5 W, two-core terminal block |
| Material | Metal |
| Dimension | \varnothing 153.5 mm \times 133.1 mm (\varnothing 6.0" \times 5.2") |
| Package Dimension | 244 mm \times 174 mm \times 173 mm (9.6" \times 6.9" \times 6.8") |
| Weight | Approx. 840 g (1.9 lb.) |
| With Package Weight | Approx. 1720 g (3.8 lb.) |
| 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) |
| 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 | Heartbeat,mirror,flash log,password reset via email,pixel counter,password protection,one-key reset,anti-flicker,three streams |
| Approval | |
| EMC | FCC: 47 CFR Part 15, Subpart B, CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014, RCM: AS/NZS CISPR 32: 2015, KC: KN32: 2015, KN35: 2015 |
| Safety | UL: UL 62368-1, CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017 |
| Environment | CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006 |
| Protection | IP66: IEC 60529-2013,IK10: IEC 62262:2002 |

▪ Available Model

DS-2CD2766G2-IZS (2.8 to 12 mm)

DS-2CD2766G2-IZS (2.8 to 12 mm) (Black)

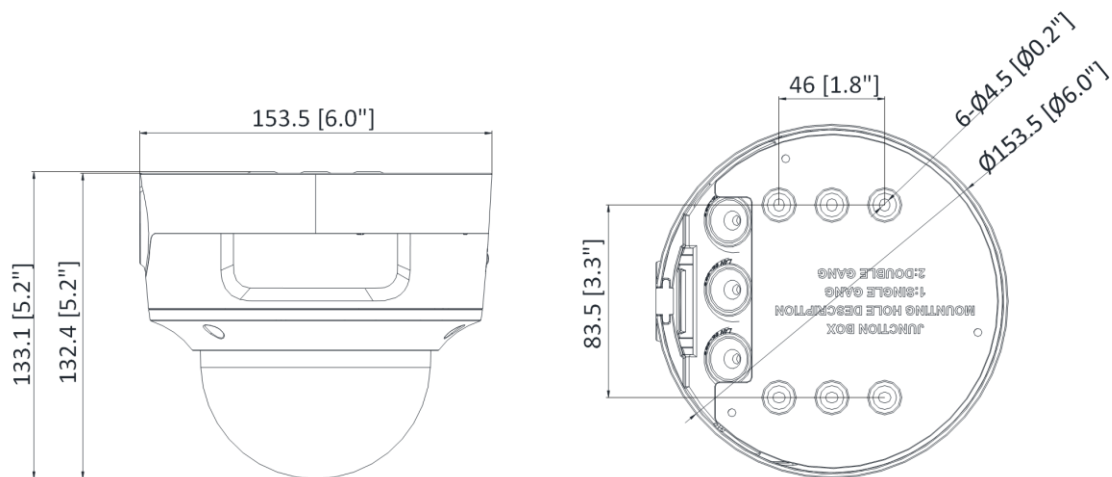
▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

| Level | Description |
|------------------------|--|
| Top-level protection | Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more. |
| Moderate protection | Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain. |
| No specific protection | Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed. |


▪ Dimension



Unit: mm (inch)

▪ **Accessory**

▪ **Optional**

| | | | | |
|--|---|---|---|---|
| <p>DS-1475ZJ-SUS(Black) Vertical Pole Mount</p>  | <p>DS-1473ZJ-155B Wall Mount</p>  | <p>DS-1473ZJ-155(Black) Wall Mount</p>  | <p>DS-1473ZJ-155 Wall Mount</p>  | <p>DS-1475ZJ-SUS Vertical Pole Mount</p>  |
| <p>DS-1471ZJ-155 Pendant Mount</p>  | <p>DS-1471ZJ-155(Black) Pendant Mount</p>  | <p>DS-1473ZJ-155B(Black) Wall Mount</p>  | <p>DS-1476ZJ-SUS Corner Mount</p>  | <p>DS-1227ZJ-DM37 In-ceiling Mount</p>  |
| <p>DS-1227ZJ-DM37(Black) In-Ceiling Mount</p>  | <p>DS-1476ZJ-SUS(Black) Corner Mount</p>  | | | |

Distributed by

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