

## DS-2CD2786G2-IZS 8 MP IR Varifocal Dome Network Camera

AcuSense



- 1/1.8" Progressive Scan CMOS
- 3840 × 2160 @ 20fps
- 2.8 to 12 mm varifocal lens
- 120dB WDR
- Powered by DarkFighter
- H.265+, H.265, H.264+, H.264
- Built-in micro SD/SDHC/SDXC card slot, up to 256 GB
- IP66, IK10
- **Human and vehicle classification alarm** based on deep learning.

### AcuSense

Powered 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.



## Specifications

Camera	
Image Sensor	1/1.8" progressive scan CMOS
Min. Illumination	Color: 0.003 Lux @ (F1.4, AGC ON), 0 Lux with IR
Shutter Speed	1/3s to 1/100,000s
Slow Shutter	Yes
Wide Dynamic Range	120dB
Day & Night	IR Cut Filter
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Power-off Memory	Yes
Lens	
Focus	Auto
Lens Type & FOV	2.8 to 12 mm, horizontal FOV 108° to 45°, vertical FOV 58° to 25°, diagonal FOV 127° to 52°
Aperture	F1.4
Lens Mount	Φ14
Illuminator	
IR Range	up to 40 m
Wavelength	850 nm
Smart Supplement Light	Yes
Video	
Max. Resolution	3840 × 2160
Main Stream	50Hz: 20fps (3840 × 2160, 3072 × 1728), 25fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60Hz: 20fps (3840 × 2160, 3072 × 1728), 30fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	50Hz: 25fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240)
Video Compression	Main stream: H.265+/H.264+/H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile
Stream Type	Main stream/sub-stream/third stream
Scalable Video Coding (SVC)	H.265 and H.264 support
Region of Interest (ROI)	1 fixed region for each stream
* When the main stream resolution is 3840 × 2160, max frame rate is 20 fps for all streams.	
Audio	
Audio Sampling Rate	8 kHz, 16 kHz, 32 kHz, 44.1 kHz, 48 kHz

Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/8Kbps-320Kbps(MP3)
Audio Type	Mono sound
<b>Network</b>	
Simultaneous Live View	Up to 6 channels
API	ONVIF (PROFILE S, PROFILE G), ISAPI, SDK
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, NTP, UPnP, SMTP, SNMP, 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, 802.1X authentication (EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, TLS 1.2
Network Storage	MicroSD/SDHC/SDXC card (256 GB), local storage and NAS (NFS,SMB/CIFS), ANR
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE8+, Chrome41.0-44, Firefox30.0-51, Safari8.0-11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+
<b>Image</b>	
Day/Night Switch	Day/Night/Auto/Schedule/Triggered by Alarm In
Image Enhancement	BLC, HLC, 3D DNR
Image Settings	Saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser
<b>Interface</b>	
Alarm	1 input, 1 output (max. 24 VDC, 1 A, 24 VAC, 1 A)
Audio	1 input (line in), 3.5 mm three-connector, 1 output (line out), 3.5 mm three-connector
On-board Storage	Built-in micro SD slot, up to 256 GB
Hardware Reset	Yes
Communication Interface	10M/100M self-adaptive Ethernet port
<b>Smart Feature-Set</b>	
Premier Protection	Intrusion detection, line crossing detection, region entrance detection, region exiting detection (Human&Vehicle classification)
Face Capture	Yes
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error), scene change detection
<b>General</b>	
Web Client 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, password protection, privacy mask, watermark, IP address filter, one-key reset, anti-flicker, three streams, heartbeat
Software Reset	Yes
Linkage Method	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, trigger capture, audible warning
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%, two-core terminal block; PoE: 802.3af, Class 3
Power Consumption and Current	12 VDC, 0.9 A, max. 10.8 W PoE: (802.3af, 36V to 57V), 0.4 A to 0.2 A, max. 12.9 W
Power Interface	2-core terminal block
Material	Metal
Camera Dimension	Φ153.5 × 133.2 mm (Φ6" × 5.2")
Package Dimension	244 × 174 × 173 mm (9.6" × 6.9" × 6.8")
Camera Weight	1080 g (2.4 lb.)
With Package Weight	1671 g (3.7 lb.)

#### Approval

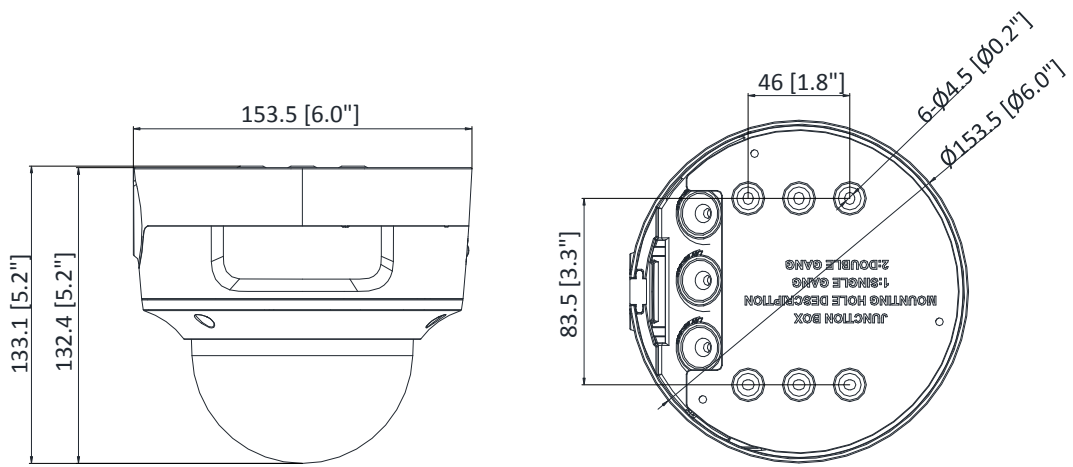
Protection	Ingress protection: IP66 (IEC 60529-2013), IK10(IEC 62262:2002)
EMC	CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + 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)

\* Listed resolutions are only selectable options. It does not mean that all streams can work at their maximum resolution at the same time.

#### Available Model

DS-2CD2786G2-IZS (2.8 to 12 mm)

Dimension



Unit: mm (inch)

**Accessory**



**DS-1476ZJ-SUS**  
**Corner Mount**



**DS-1227ZJ-DM37**  
**In-Ceiling Mount**



**DS-1471ZJ-155**  
**Pendant Mount**



**DS-1475ZJ-SUS**  
**Vertical pole mount**



**DS-1473ZJ-155**  
**Wall Mount**



**DS-1473ZJ-155B**  
**Wall Mount**

Distributed by



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