

DS-2CD2755FWD-IZS 5 MP IR Varifocal Network Dome Camera



- Up to 5 megapixel high resolution
- Max. 2944 × 1656 @ 20 fps
- 120 dB Wide Dynamic Range
- 3D Digital Noise Reduction
- Support on-board storage, up to 128 GB
- IP66, IK10



▪ Specification

Camera	
Image Sensor	1/2.9" Progressive Scan CMOS
Max. Resolution	2944 × 1656
Min. Illumination	Color: 0.01 Lux @(F1.2, AGC ON), B/W: 0 Lux with IR Color: 0.014 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	Horizontal FOV: 88° to 27° Vertical FOV: 48° to 16° Diagonal FOV: 104° to 32°
Lens Mount	Ø14
Focus	Auto
Aperture	F1.4
Illuminator	
Supplement Light Type	IR
Supplement Light Range	Up to 30 m
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 20 fps (2944 × 1656), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2944 × 1656), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (640 × 480, 640 × 360, 320 × 240) 60 Hz: 30 fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	50 Hz: 25 fps (1280 × 720, 640 × 360, 352 × 288) 60 Hz: 30 fps (1280 × 720, 640 × 360, 352 × 240)
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
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Main Profile/High Profile
H.265 Type	Main Profile
Scalable Video Coding (SVC)	Support H.264 and H.265 encoding
Region of Interest (ROI)	1 fixed region for main stream and sub-stream separately
Audio	
Audio Compression	G722.1/G.711/G726/MP2L2/PCM/MP3
Audio Bit Rate	64 Kbps(G.711)/16 Kbps(G.722.1)/16 Kbps(G.726)/32 to 192 Kbps(MP2L2)/8 Kbps to 320 Kbps(MP3)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz

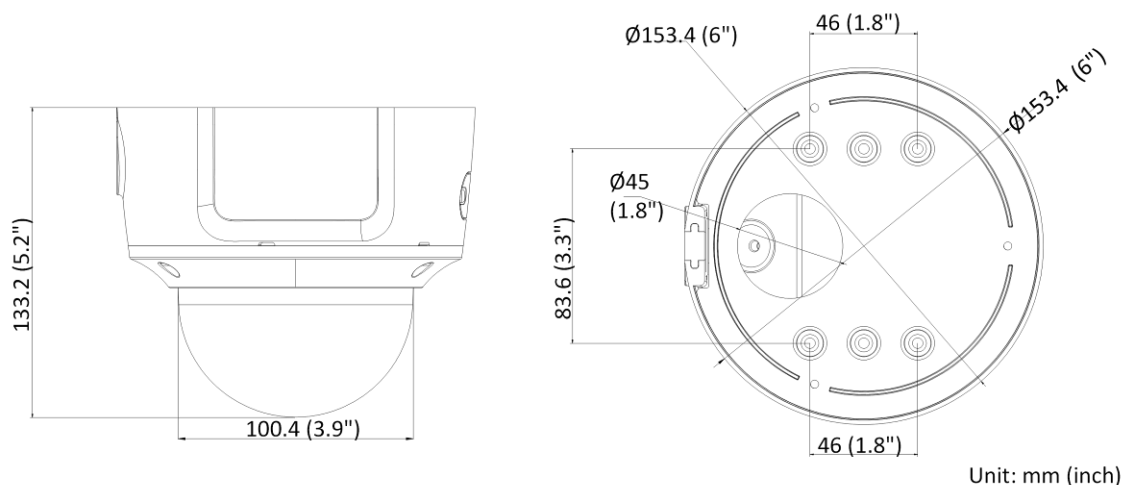
Environment Noise Filtering	Yes
Network	
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile G, Profile 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 1.2, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, TLS1.2
Network Storage	NAS (NFS, SMB/CIFS), ANR
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local Service: Chrome 41.0+, Firefox 30.0+
Image	
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance adjustable by client software or web browser
Day/Night Switch	Day/Night/Auto/Schedule/Triggered by Alarm In
Wide Dynamic Range (WDR)	120 dB
Image Enhancement	BLC/3D DNR/HLC
Interface	
Video Output	1Vp-p composite output (75 Ω) (For adjustment only)
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC, up to 128 GB
Audio	1 input (line in, 3.5 mm), 1 output(3.5 mm), mono sound
Alarm	1 input, 1 output (max. 12 VDC, 30 mA), terminal block
Reset Key	Yes
Event	
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Smart Event	Line crossing detection, intrusion detection, unattended baggage detection, object removal detection, face detection, scene change detection
Linkage	Trigger recording: memory card, network storage, pre-record and post-record Trigger captured pictures uploading: FTP, HTTP, NAS, Email Trigger notification: HTTP, ISAPI, alarm output, Email
General	
Power	12 VDC ± 25%, 0.8 A, max. 10 W PoE: 802.3af, 36 V to 57 V, 0.3 A to 0.1 A, max. 11.5 W Terminal block for DC input
Dimension	Ø153.4 × 133.2 mm (Ø6" × 5.2")
Package Dimension	150 × 150 × 141 mm (5.9" × 5.9" × 5.6")
Weight	1287 g (2.8 lb.)

Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
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	Anti-flicker, three streams, heartbeat, mirror, privacy masks, password reset via e-mail, pixel counter, HTTP listening
Approval	
Protection	IP66 (IEC 60529-2013) IK10 (IEC 62262: 2002)

▪ Available Model

DS-2CD2755FWD-IZS (2.8 to 12 mm)

▪ Dimension



▪ Accessory

▪ Optional

DS-1471ZJ-155 Pendant Mount	DS-1475ZJ-SUS Vertical Pole Mount	DS-1476ZJ-SUS Corner Mount	DS-1473ZJ-155 Wall Mount	DS-1473ZJ-155B Wall Mount
				
DS-1227ZJ-DM37 In-ceiling Mount				



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