

DS-2CD2743G2-IZS

4 MP AcuSense Motorized Varifocal Dome Network Camera

AcuSense





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 4 MP resolution
- Motorized varifocal lens for easy installation and monitoring
- Clear imaging against strong backlight due to 120 dB WDR technology
- Efficient H.265+ compression technology
- Water and dust resistant (IP67) and vandal resistant (IK10)
- Focus on human and vehicle targets classification based on deep learning
- Graphical interface for configuration
- Automatic connection re-establishment after unexpected failure via designated IP
- Dynamic frame control for recording





Specification

Camera					
Image Sensor	1/3" Progressive Scan CMOS				
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with 30 IRE on				
Shutter Speed	1/3 s to 1/100,000 s				
Slow Shutter	Yes				
P/N	P/N				
Wide Dynamic Range	120 dB				
Day & Night	ICR Cut				
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°				
Lens					
Lens Type & FOV	2.8 to 12 mm, horizontal FOV 95.8° to 29.2°, vertical FOV 50.6° to 16.4°, diagonal FOV				
Lens Type & FOV	114.6° to 33.4°				
Aperture	F1.6				
Lens Mount	Ø14				
DORI					
DORI	2.8 to 12 mm: D: 64 m to 200 m, O: 25.4 m to 79.4 m, R: 12.8 m to 40 m, I: 6.4 m to 20				
DOM	m				
Illuminator					
IR Range	Up to 40 m				
Wavelength	850 nm				
Video					
Max. Resolution	2688 × 1520				
Main Stream	50Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)				
Widin Stream	60Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)				
Sub Stream	50Hz: 25 fps (640 × 480, 640 × 360)				
Sub Stream	60Hz: 30 fps (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)				
	Main stream: H.265/H.264/H.264+/H.265+				
Video Compression	Sub-stream: H.265/H.264/MJPEG				
	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 region for main stream and sub-stream				
Audio					
Environment Noise Filtering	Yes				
Audio Sampling Rate					
Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC				



Audio Bit Rate	64Kbps(G.711ulaw/G.711alaw)/16Kbps(G.722.1)/16Kbps(G.726)/16Kbps-64Kbps(AAC) /32-192Kbps(MP2L2)/8-320Kbps(MP3)				
Network	Let a specific the second of				
Simultaneous Live View	Up to 6 channels				
API	Open Network Video Interface (Profile S, Profile G), ISAPI, SDK				
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, SNMP, 802.1X, QoS, IPv6, UDP, UNICAST, MULTICAST, Bonjour, SSL/TLS, PPPoE				
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 1.1/1.2, WS and digest authentication for Open Network Video Interface				
Network Storage	MicroSD/SDHC/SDXC card (256 GB) local storage, and NAS(NFS, SMB/CIFS), auto network replenishment (ANR)				
Client	iVMS-4200, Hik-Connect, Hik-Central				
Web Browser	Plug-in required live view: IE 10, IE 11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: 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, mirror, privacy masks, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser(manual and automatic)				
Interface					
Audio	-S: 1 input (line in), max. input amplitude: 3.3 vpp, input impedance: 4.7 K Ω , interface type: non-equilibrium; 1 output (line out), max. output amplitude: 3.3 vpp, output impedance: 100 Ω , interface type: non-equilibrium				
Alarm	-S: 1 input, 1 output (max. 12 VDC, 30 mA)				
On-board Storage	Built-in micro SD, up to 256 GB				
Hardware Reset	Yes				
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port				
Event					
Basic Event	Motion detection (human and vehicle targets classification), video tampering alarm, exception				
Face Detection	Yes				
Deep Learning Function					
Perimeter Protection	Line crossing detection, intrusion detection Supports human and vehicle targets classification				
General					
Firmware	V5.5.115				
Linkage Method Upload to FTP/memory card/NAS, notify surveillance center, trigger rec capture, Email					



	33 languages			
	English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak,			
Web Client Language	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, password reset via e-mail, ROM memory for recording settings,			
General Function	pixel counter			
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)			
Startup and Operating	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)			
Conditions	-50 C to 60 C (-22 F to 140 F). Humilary 95% of less (non-condensing)			
Power Supply	12 VDC ± 25%, reverse polarity protection			
i ower suppry	PoE: 802.3af, Class 3			
Power Consumption and Current	12 VDC, 0.88 A, max. 10.5 W			
i ower consumption and current	PoE: (802.3af, 36 V to 57 V), 0.35 A to 0.22 A, max. 12.5 W			
Power Interface	Ø5.5 mm coaxial power plug			
Material	Upper cover and base: metal			
iviateriai	Bubble: plastic			
Camera Dimension	Ø153.3 × 111.6 mm (Ø6.1" × 4.4")			
Package Dimension	244 × 174 × 173 mm (9.7" × 6.9" × 6.9")			
Camera Weight	Approx. 880 g (1.9 lb.)			
With Package Weight	Approx. 1419 g (3.1 lb.)			
Approval				
	FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN			
EMC	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)			
	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN			
Safety	60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part			
	1):2010+A1:2013+A2:2015)			
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)			
Protection IP67 (IEC 60529-2013), IK10 (IEC 62262:2002)				

Available Model

DS-2CD2743G2-IZS (2.8 to 12 mm)

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.

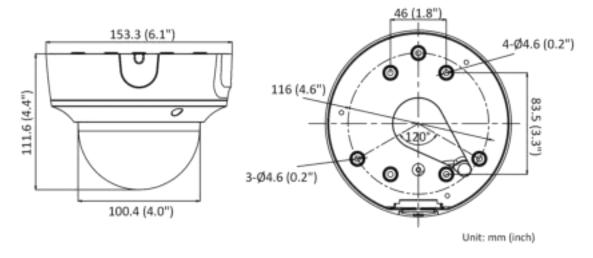
This model has NO SPECIFIC PROTECTION.

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



Accessory

Optional

DS-1280ZJ-DM55	DS-1473ZJ-155B	DS-1475ZJ-SUS	DS-1476ZJ-SUS	DS-1473ZJ-155
Junction Box	Wall Mount	Vertical Pole Mount	Corner Mount	Wall Mount
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DS-1227ZJ-DM44	DS-1471ZJ-155			
Pendant Mount	Pendant Mount			
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