

DS-2CD2723G2-IZS

2 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 2 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
- Focus on human and vehicle targets classification based on deep learning
- Water and dust resistant (IP67) and vandal proof (IK10)



Specification

Image Sensor 1/2.8" Progressive Scan CMOS Max. Resolution 1920 × 1080 Min. Illumination Color: 0.005 Lux @ (F1.6, 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 Depth of Field 0.5 m to ∞ Pocal Length & FOV 2.8 to 12 mm, horizontal FOV 107" to 32", vertical FOV 55" to 18", diagonal FOV 130" to 36" Aperture F1.6 Lens Mount Ø14 Lens Type Varifocal lens, motorized lens, 2.8 to 12 mm Iris Type Fixed DORI Wide: D. 45.5m, O: 18.1m, R: 9.1m, I: 4.6m Tele: D: 137.9m, O: 54.7m, R: 27.6m, I: 13.8m Illuminator IR IR Wavelength 850 nm Supplement Light Type IR Supplement Light Range IP to 40 m Smart Supplement Light Yes Video 50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 20 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)	Camera					
Min. Illumination Color: 0.005 Lux @ (F1.6, AGC ON), 8/W: 0 Lux with IR 1/3 s to 1/100,000 s Day & Night IR cut filter Pan: 0" to 355", tilt: 0" to 75", rotate: 0" to 355" Lens Depth of Field 0.5 m to 36" Cas to 12 mm, horizontal FOV 107" to 32", vertical FOV 55" to 18", diagonal FOV 130" to 36" Aperture F1.6 Lens Mount Ø14 Lens Type Varifocal lens, motorized lens, 2.8 to 12 mm Iris Type Fixed DORI 2.8 to 12 mm: DORI Wide: 0: 45.5m, 0: 18.1m, R: 9.1m, I: 4.6m Tele: 0: 137.9m, 0: 54.7m, R: 27.6m, I: 13.8m Illuminator IR Wavelength 850 nm Supplement Light Type IR Supplement Light Range Up to 40 m Samart Supplement Light Yes Video Main Stream SOHz: 25 fps (1920 × 1080, 1280 × 720) 50 Hz: 25 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 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.265+, Sub-stream: H.265/H.264/MIPEG, Third stream: H.265/H.264/MIPEG, Third stream: H.265/H.264/MIPEG, Third stream: H.265/H.264/MIPEG, Third stream: H.265/H.264/MIPEG, Rejion of Interest (ROI) Audio Environment Noise Filtering Yes Audio Sampling Rate 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz	Image Sensor	1/2.8" Progressive Scan CMOS				
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Lens Type	Aperture	F1.6				
Fixed DORI	Lens Mount	Ø14				
DORI 2.8 to 12 mm: Wide: D: 45.5m, O: 18.1m, R: 9.1m, I: 4.6m Tele: D: 137.9m, O: 54.7m, R: 27.6m, I: 13.8m Illuminator IR Wavelength 850 nm Supplement Light Type IR Supplement Light Range Up to 40 m Smart Supplement Light Range Up to 40 m Smart Supplement Light Range Up to 40 m Smart Supplement Light Range Wideo Wideo	Lens Type	Varifocal lens, motorized lens, 2.8 to 12 mm				
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DORI	DORI					
Tele: D: 137.9m, O: 54.7m, R: 27.6m, I: 13.8m		2.8 to 12 mm:				
Illuminator IR Wavelength	DORI	Wide: D: 45.5m, O: 18.1m, R: 9.1m, I: 4.6m				
R Wavelength		Tele: D: 137.9m, O: 54.7m, R: 27.6m, I: 13.8m				
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Supplement Light Range Up to 40 m Smart Supplement Light Yes Video Main Stream 50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 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 Bit Rate Control CBR, VBR Scalable Video Coding (SVC) H.264 and H.265 encoding Region of Interest (ROI) 1 fixed region(s) for main stream and sub-stream Audio Environment Noise Filtering Yes Audio Sampling Rate 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz	IR Wavelength	850 nm				
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Sub-Stream 60 Hz: 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.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 Bit Rate Control CBR, VBR Scalable Video Coding (SVC) H.264 and H.265 encoding Region of Interest (ROI) 1 fixed region(s) for main stream and sub-stream Audio Environment Noise Filtering Audio Sampling Rate 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz	Main Stream	60 Hz: 30 fps (1920 × 1080, 1280 × 720)				
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Third Stream 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Main stream: H.265/H.264/H.264+/H.265+, 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 Bit Rate Control CBR, VBR Scalable Video Coding (SVC) Region of Interest (ROI) Audio Environment Noise Filtering Yes Audio Sampling Rate 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz	Sub-Stream	60 Hz: 30 fps (640 × 480, 640 × 360)				
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H.264 Type Baseline Profile, Main Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Scalable Video Coding (SVC) Region of Interest (ROI) 1 fixed region(s) for main stream and sub-stream Audio Environment Noise Filtering Yes Audio Sampling Rate 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz		Third stream: H.265/H.264				
H.265 Type Main Profile Bit Rate Control CBR, VBR Scalable Video Coding (SVC) H.264 and H.265 encoding Region of Interest (ROI) 1 fixed region(s) for main stream and sub-stream Audio Environment Noise Filtering Yes Audio Sampling Rate 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz	Video Bit Rate	32 Kbps to 8 Mbps				
Bit Rate Control CBR, VBR Scalable Video Coding (SVC) Region of Interest (ROI) 1 fixed region(s) for main stream and sub-stream Audio Environment Noise Filtering Yes Audio Sampling Rate 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz	H.264 Type	Baseline Profile, Main Profile, High Profile				
Scalable Video Coding (SVC) Region of Interest (ROI) 1 fixed region(s) for main stream and sub-stream Audio Environment Noise Filtering Yes Audio Sampling Rate 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz	H.265 Type	Main Profile				
Region of Interest (ROI) 1 fixed region(s) for main stream and sub-stream Audio Environment Noise Filtering Yes Audio Sampling Rate 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz	Bit Rate Control	CBR, VBR				
Audio Environment Noise Filtering Yes Audio Sampling Rate 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz	Scalable Video Coding (SVC)	H.264 and H.265 encoding				
Environment Noise Filtering Audio Sampling Rate Yes 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz	Region of Interest (ROI)	1 fixed region(s) for main stream and sub-stream				
Audio Sampling Rate 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz	Audio					
	Environment Noise Filtering	nment Noise Filtering Yes				
Audio Compression G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC	Audio Sampling Rate	mpling Rate 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz				
	Audio Compression	Audio Compression G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC				



	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps				
Audio Bit Rate	(MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)				
Network					
Simultaneous Live View	Up to 6 channels				
API	Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK				
	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP,				
Protocols	IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, WebSocket,				
	WebSockets				
Heav / Heat	Up to 32 users				
User/Host	3 user levels: administrator, operator, and user				
	Password protection, complicated password, HTTPS encryption, 802.1X authentication				
	(EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest				
Security	authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network				
	Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS				
	1.3, host authentication (MAC address)				
Network Storage	NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR)				
Client	iVMS-4200, Hik-Connect, Hik-Central				
	Plug-in required live view: IE 10, IE 11,				
Web Browser	Plug-in free live view: Chrome 57.0+, Firefox 52.0+,				
	Local service: Chrome 57.0+, Firefox 52.0+				
Image					
Privacy Mask	Yes				
Day/Night Switch	Day, Night, Auto, Schedule				
Image Enhancement	BLC, HLC, 3D DNR				
Image Parameters Switch	Yes				
Inc Catting -	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance,				
Image Settings	adjustable by client software or web browser				
Wide Dynamic Range (WDR)	120 dB				
SNR	≥ 52 dB				
Interface					
	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input				
A !:	impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core				
Audio	terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω , interface				
	type: non-equilibrium				
Alarm	1 input(s), 1 output(s) (max. 24 VDC/24 VAC, 1 A)				
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB				
Reset Key	Yes				
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port				
Event					
Basic Event	Motion detection (support alarm triggering by specified target types (human and				
	vehicle)), video tampering alarm, exception				
	Line crossing detection, intrusion detection (support alarm triggering by specified				
Smart Event	target types (human and vehicle))				
	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm				
Linkage	output, trigger recording, trigger capture, audible warning				



Deep Learning Function				
Face Capture	Yes			
General				
	12 VDC ± 25%, 0.88 A, max. 10.5 W, Ø5.5 mm coaxial power plug, reverse polarity			
Power	protection,			
	PoE: 802.3 af, Class 3, 36 V to 57 V, 0.35 A to 0.22 A, max. 12.5 W			
General Function	Heartbeat, anti-flicker, password reset via email, pixel counter			
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)			
Material	Upper cover and base: metal, bubble: plastic			
Dimension	Ø153.3 mm × 111.6 mm (Ø6.1" × 4.4")			
Package Dimension	244 mm × 174 mm × 173 mm (9.7" × 6.9" × 6.9")			
Weight	Approx. 880 g (1.9 lb.)			
With Package Weight	Approx. 1460 g (3.1 lb.)			
	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian,			
Language	Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish,			
Language	Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese,			
	Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian			
Approval				
	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			
EMC	50130-4: 2011 +A1: 2014,			
	IC: ICES-003: Issue 7,			
	KC: KN32: 2015, KN35: 2015			
Safety	UL: UL 62368-1,			
	CB: IEC 62368-1: 2014+A11,			
	CE-LVD: EN 62368-1: 2014/A11: 2017			
	CE-RoHS: 2011/65/EU,			
Environment	WEEE: 2012/19/EU,			
	Reach: Regulation (EC) No 1907/2006			
Protection	IP67: IEC 60529-2013, IK10: IEC 62262:2002			

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		
	Hikvision products at this level are equipped for use in areas where professional		
Top-level protection	anti-corrosion protection is a must. Typical application scenarios include coastlines,		
	docks, chemical plants, and more.		
	Hikvision products at this level are equipped for use in areas with moderate		
Moderate protection	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		

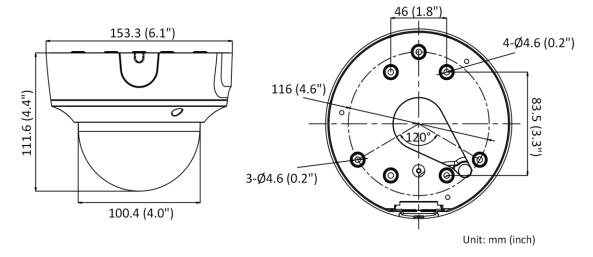


anti-corrosion protection is needed.

Available Model

DS-2CD2723G2-IZS(2.8-12mm)(D)
DS-2CD2723G2-IZS(2.8-12mm)(D)(Black)

Dimension



Accessory

Optional

DS-1473ZJ-155 Wall mount	DS-1471ZJ-155 Pendant Mount	DS-1475ZJ-SUS Vertical pole mount	DS-1275ZJ-SUS Vertical pole mount	DS-1476ZJ-SUS Corner mount
	I		• 4	



DS-1276ZJ-SUS Corner mount	DS-1250ZJ Water-proof	DS-1280ZJ-DM55 Junction box	DS-1473ZJ-155B Wall mount	DS-1475ZJ-SUS DS-1475ZJ-SUS
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DS-1227ZJ-DM44 In-ceiling mount





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