

DS-2CD2T63G2-2I/4I 6 MP AcuSense Fixed Bullet 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 6 MP resolution
- Efficient H.265+ compression technology
- Clear imaging against strong backlight due to 120 dB WDR technology
- Focusing on human and vehicle classification based on deep learning
- Water and dust resistant (IP67)



Specification

Camera					
Image Sensor	1/2.4" Progressive Scan CMOS				
Max. Resolution	3200 × 1800				
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 360°, tilt: 0° to 90°, rotate: 0° to 360°				
Lens					
Lens Type	Fixed lens, 2.8, 4, and 6 mm optional				
	2.8 mm, horizontal FOV 105°, vertical FOV 55°, diagonal FOV 127°				
Focal Length & FOV	4 mm, horizontal FOV 78°, vertical FOV 38°, diagonal FOV 96°				
	6 mm, horizontal FOV 51°, vertical FOV 26°, diagonal FOV 59°				
Lens Mount	M12				
Iris Type	Fixed				
Aperture	F1.6				
DORI					
	2.8 mm: D: 76 m, O: 30 m, R: 15 m, I: 7 m				
DORI	4 mm: D: 115 m, O: 45 m, R: 23 m, I: 11 m				
	6 mm, D: 164 m, O: 65 m, R: 32 m, I: 16 m				
Illuminator					
Supplement Light Type	IR				
Supplement Light Range	-2I: up to 60 m				
Supplement Light hange	-4I: up to 80 m				
Smart Supplement Light	Yes				
IR Wavelength	850 nm				
Video					
Main Stream	50 Hz: 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)				
Iviaiii Sti Caiii	60 Hz: 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)				
Sub-Stream	50 Hz: 25 fps (1280 x 720, 640 × 480, 640 × 360)				
Sub Stream	60 Hz: 30 fps (1280 x 720, 640 × 480, 640 × 360)				
	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)				
Third Stream	60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)				
	*Third stream is supported under certain settings.				
	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				
	*Third stream is supported under certain settings.				
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				
Region of Interest (ROI)	1 fixed region for main stream and sub-stream				



Network				
	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP,			
Protocols	IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, WebSocket,			
	WebSockets, SRTP, SFTP			
Simultaneous Live View	Up to 6 channels			
API	Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP			
User/Host	Up to 32 users. 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			
	1.1/1.2/1.3, 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+, Edge 89+,			
	Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+			
Image				
Image Parameters Switch	Yes			
Imaga Sattings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance			
Image Settings	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			
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB			
Reset Key	Yes			
Event				
	Motion detection (human and vehicle targets classification), video tampering alarm,			
Basic Event	exception			
Smart Event	Line crossing detection, intrusion detection (support alarm triggering by specified			
	target types (human and vehicle))			
	Face detection			
Linkage	Upload to FTP/memory card/NAS, notify surveillance center, trigger recording, trigger			
	capture, send email			



General				
Power	-2I: 12 VDC ± 25%, 0.67 A, max. 8 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 9 W -4I: 12 VDC ± 25%, 0.92 A, max. 11 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 12.5 W			
Material	Aluminum alloy body Sun shield, IR cover: plastic			
Dimension	Ø105 mm × 299.7 mm (Ø4.1" × 11.8")			
Package Dimension	386 mm× 156 mm × 155 mm (15.2" × 6.2" × 6.2")			
Weight	Approx. 1065 g (2.4 lb.)			
With Package Weight	Approx. 1560 g (3.5 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)			
General Function	Heartbeat, mirror, password reset via email, pixel counter, anti-flicker			
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			
Approval				
EMC	FCC (47 CFR Part 15, Subpart B); 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)			
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)			
	IP67 (IEC 60529-2013)			



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.

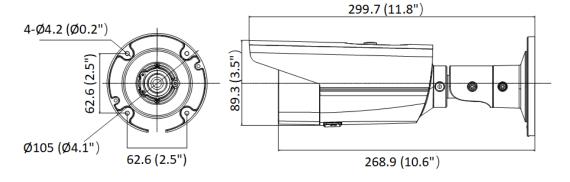
This model has NO SPECIFIC PROTECTION.

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.		

Available Model

DS-2CD2T63G2-2I (2.8/4/6 mm) DS-2CD2T63G2-4I (2.8/4/6 mm)

Dimension



Unit: mm (inch)



Accessory

Optional

DS-1275ZJ-SUS	DS-1275ZJ-S-SUS	DS-1260ZJ	DS-1280ZJ-S	DS-1276ZJ-SUS
Vertical Pole Mount	Vertical Pole Mount	Junction Box	Junction Box	Corner Mount

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