

DS-2CD2T43G2-2I/4I 4 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 4 MP resolution
- Clear imaging against strong backlight due to 120 dB WDR technology
- Efficient H.265+ compression technology
- Water and dust resistant (IP67)
- Focus on human and vehicle targets classification based on deep learning





Specification

Camera					
Image Sensor	1/3" Progressive Scan CMOS				
Max. Resolution	2688 × 1520				
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR on				
Shutter Time	1/3 s to 1/100, 000 s				
Day & Night	ICR Cut				
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°				
Lens					
Lens Type	Fixed focal lens, 2.8, 4, and 6 mm optional				
	2.8 mm, horizontal FOV 103°, vertical FOV 55°, diagonal FOV 122°				
Focal Length & FOV	4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 100°				
	6 mm, horizontal FOV 52°, vertical FOV 28°, diagonal FOV 61°				
Lens Mount	M12				
Iris Type	Fixed				
Aperture	F1.6				
DORI					
	2.8 mm: D: 67 m, O: 26 m, R: 13 m, I: 6 m				
DORI	4 mm: D: 80 m, O: 31 m, R: 16 m, I: 8 m				
	6 mm: D: 120 m, O: 47 m, R: 24 m, I: 12 m				
Illuminator					
Supplement Light Type	IR				
	-2I: up to 60 m				
Supplement Light Range	-4I: up to 80 m				
Smart Supplement Light	Yes				
IR Wavelength	850 nm				
Video					
	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)				
Main Stream	60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)				
	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)				
Sub-Stream	60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)				
Third Change	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)				
	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)	Yes				
Region of Interest (ROI)	1 fixed region for main stream and sub-stream				
Network					
Protocols	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, WebSocket, WebSockets				



Simultaneous Live View	Up to 6 channels					
API	Open Network Video Interface (Profile S, Profile G), ISAPI, SDK					
User/Host	Up to 32 users. 3 user levels: administrator, operator and user					
	Password protection, complicated password, HTTPS encryption, IP address filter,					
Security	Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE					
•	and digest authentication for Open Network Video Interface					
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						
Image Parameters Switch	Yes					
.0	Rotate, mirror, privacy mask, saturation, brightness, contrast, sharpness, gain, white					
Image Settings	balance 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					
Interface	DLC, FILC, 3D DINK					
Ethernet Interface	1 RJ45 10M/100M self-adaptive Ethernet port					
On-Board Storage						
Reset Key	Built-in microSD, up to 512 GB Yes					
Event						
LVEIIL	Motion detection (human and vehicle targets classification), video tampering alarm,					
Basic Event	exception					
	Line crossing detection, intrusion detection					
Smart Event	Supports human and vehicle targets classification					
Siliait Evelit	Face detection					
	Upload to FTP/memory card/NAS, notify surveillance center, trigger recording, trigger					
Linkage	capture, sned email					
General	capture, sneu eman					
General	-21:					
	12 VDC ± 25%, 0.71 A, max. 8.5 W, Ø5.5 mm coaxial power plug, reverse polarity					
	protection					
	PoE: 802.3af, 36 V to 57 V, 0.27 A to 0.17 A, max. 9.5 W					
Power	-41:					
	12 VDC ± 25%, 1.0 A, amx. 11.5 W, Ø5.5 mm coaxial power plug, reverse polarity					
	protection					
	PoE: 802.3af, Class 3, 36 V to 57 V, 0.35 A to 0.22 A, max. 12.5 W					
	Aluminum alloy body					
Material	Sun shield, IR cover: plastic					
Dimension	Ø105 × 299.7 mm (Ø4.1" × 11.8")					
Package Dimension	386 × 156 × 155 mm (15.2" × 6.2" × 6.2")					
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Weight	Approx. 1070 g (2.4 lb.)					



With Package Weight	Approx. 1589 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)				
	33 languages				
	English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak,				
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, pixel counter				
Approval					
	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				
FNAC	+A1: 2014);				
EMC	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)				
Protection	IP67 (IEC 60529-2013)				

Available Model

DS-2CD2T43G2-2I (2.8/4/6 mm)

DS-2CD2T43G2-4I (2.8/4/6 mm)

DS-2CD2T43G2-2I (2.8/4/6 mm) (Black)

DS-2CD2T43G2-4I (2.8/4/6 mm) (Black)

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.

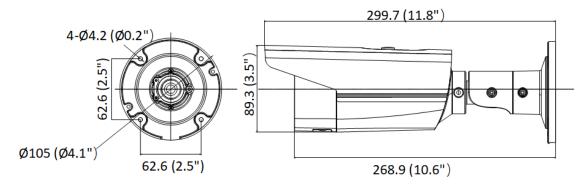
This model has NO SPECIFIC PROTECTION.

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



Unit: mm (inch)

Accessory

Optional

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





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