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 8 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	1/2.8" Progressive Scan CMOS
Max. Resolution	3840 × 2160
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 focal lens, 2.8, 4, and 6 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 128°
	4 mm, horizontal FOV 87°, vertical FOV 46°, diagonal FOV 105°
	6 mm, horizontal FOV 54°, vertical FOV 29°, diagonal FOV 63°
Lens Mount	M12
Iris Type	Fixed
Aperture	F1.6

DORI	
DORI	2.8 mm: D: 88 m, O: 35 m, R: 17 m, I: 9 m
	4 mm: D: 108 m, O: 43 m, R: 22 m, I: 11 m
	6 mm: D: 177 m, O: 70 m, R: 35 m, I: 18 m

Illuminator	
Supplement Light Type	IR
Supplement Light Range	-2I: up to 60 m; -4I: up to 80 m
Smart Supplement Light	Yes
IR Wavelength	850 nm

Video	
Main Stream	50 Hz:
	20 fps (3840 × 2160)
	25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)60 Hz:
	20 fps (3840 × 2160)
	30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (640 × 480, 640 × 360)
	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)
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	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

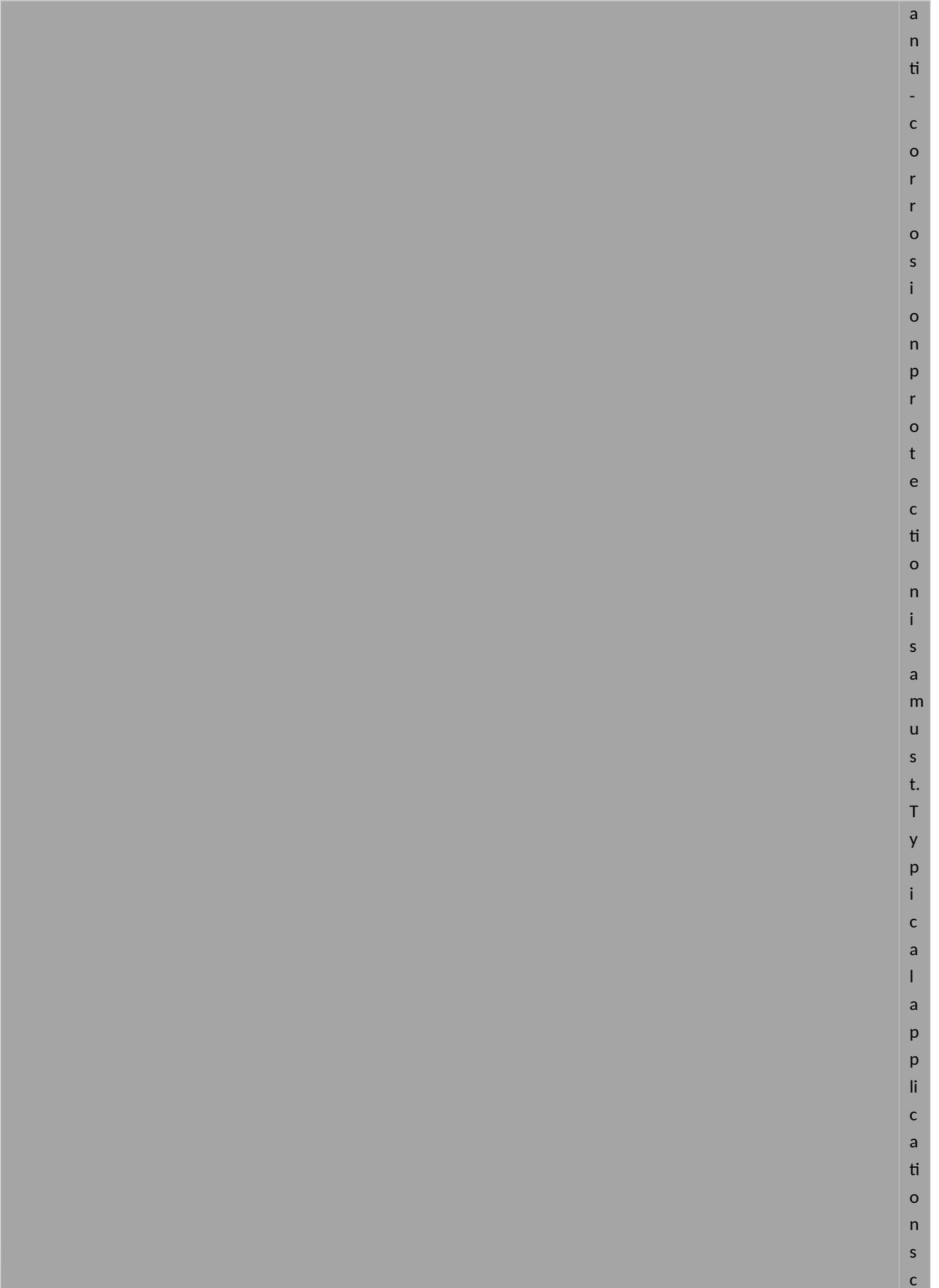| Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, ARP
Simultaneous Live View	Up to 6 channels
API	ONVIF (Profile S, Profile G), ISAPI, SDK
User/Host	Up to 32 users
	3 user levels: administrator, 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, WSSE and digest authentication for Open Network Video Interface
Network Storage	NAS (NFS, SMB/CIFS),Auto Network Replenishment (ANR),Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Client	iVMS-4200,Hik-Connect,Hik-Central
Web Browser	Plug-in required live view: IE10+, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Local service: Chrome 57.0+, Firefox 52.0+

Image

Image Parameters Switch	Yes
Image Settings	Rotate mode,saturation,brightness,contrast,sharpness,gain,white 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
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/TF card, up to 256 GB
Reset Key	Yes

Event

Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)),video tampering alarm,exception
Smart Event	Line crossing detection, intrusion detection (support alarm triggering by specified target types (human and vehicle)), face detection
Linkage	Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger recording,trigger capture

General

Power	-2I: 12 VDC ± 25%, 0.67 A, max. 8.0 W, Ø5.5 mm coaxial power plug, reverse polarity protection PoE: 802.3af, 36 V to 57 V, 0.25 A to 0.16 A, max. 9.0 W -4I: 12 VDC ± 25%, 0.92 A, max. 11.0 W, Ø5.5 mm coaxial power plug, reverse polarity protection PoE: 802.3af, 36 V to 57 V, 0.35 A to 0.22 A, 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" × 6.1")
Weight	Approx. 1090 g (2.4 lb.)
With Package Weight	Approx. 1590 g (3.5 lb.)
Storage Conditions	-30 ℃ to 60 ℃ (-22 ℉ to 140 ℉). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 ℃ to 60 ℃ (-22 ℉ to 140 ℉). Humidity 95% or less (non-condensing)
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
General Function	Heartbeat,password reset via email,pixel counter,anti-flicker

Approval	
EMC	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 50130-4: 2011 +A1: 2014,
	RCM: AS/NZS CISPR 32: 2015,
	KC: KN32: 2015, KN35: 2015,
	IC: ICES-003: Issue 7
Safety	UL: UL 62368-1,
	CB: IEC 62368-1: 2014+A11,
	CE-LVD: EN 62368-1: 2014/A11: 2017
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

■Typical Application

Level	Description
Top-level protection	Hikvisionproductsatthi

sleve larecquipped for use in areas where professional

anti-corrosion protection is a must. Typical applications sc

enarios include coastlines, docks, chemical plants, and

Moderate protection

more. Hikvision products at this level are equipped for u

se in areas with moderate anti-corrosion demands. Typica

l application scenarios include coastal areas about 2 kilom

eters (1.24 miles) away from coastlines, as well as areas a

	...ffected by acid rain.
No specific protection	Hikvision products at this level are...

equipped for use in areas where no specific anti-corrosio
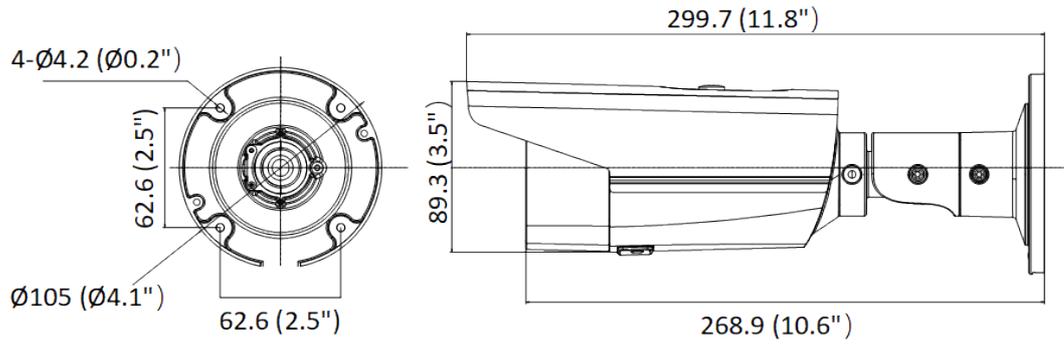
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Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

■Available Model

DS-2CD2T83G2-4I(6mm)

DS-2CD2T83G2-4I(4mm)

DS-2CD2T83G2-4I(2.8mm)

DS-2CD2T83G2-2I(2.8mm)

DS-2CD2T83G2-2I(6mm)

DS-2CD2T83G2-2I(4mm)

DS-2CD2T83G2-2I(2.8mm)(D)

DS-2CD2T83G2-2I(6mm)(D)

DS-2CD2T83G2-2I(4mm)(D)

DS-2CD2T83G2-4I(2.8mm)(D)

DS-2CD2T83G2-4I(4mm)(D)

DS-2CD2T83G2-4I(6mm)(D)

■ Dimension

4-Ø4.2 (Ø0.2")

62.6 (2.5")

Ø105 (Ø4.1")

62.6 (2.5")

299.7 (11.8")

89.3 (3.5")

268.9 (10.6")

Unit: mm (inch)

■Accessory

■ Optional

DS-1275ZJ-S-SUS	DS-1276ZJ-SUS	DS-1275ZJ-SUS	DS-1260ZJ

■ Installation Methods

Vertical Pole Mounting DS-1275ZJ-S-SUS+DS-1260ZJ	Vertical Pole Mounting DS-1275ZJ-SUS	Corner Mounting DS-1276ZJ-SUS+DS-1260ZJ	Junction Box DS-1260ZJ