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	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
P/N	P/N
Wide Dynamic Range	120 dB
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
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: 73 m, O: 29 m, R: 15 m, I: 7 m 4 mm: D: 90 m, O: 35 m, R: 18 m, I: 9 m 6 mm: D: 147 m, O: 58 m, R: 29 m, I: 15 m
Illuminator	
Supplement Light Type	IR
Smart Supplement Light	Yes
IR IR Wavelength	850 nm
IR Range	-2I: up to 60 m -4I: up to 80 m
Video	
Max. Resolution	3200 × 1800
Main Stream	50 Hz: 20 fps (3200 × 1800) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800) 30 fps (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) *Third stream is supported under certain settings.
Video Compression	Main stream: H.265/H.264/H.264+/H.265+ 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
H.264+	Main stream supports
H.265+	Main stream supports
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	
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
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
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)
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	
Image Parameters Switch	Yes
Image Settings	Rotate, mirror, privacy mask, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
SNR	≥ 52 dB
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support micro SD card, up to 256 GB
Reset Key	Yes
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	
Linkage Method	Upload to FTP/memory card/NAS, notify surveillance center, trigger recording, trigger capture, send email
Material	Aluminum alloy body Sun shield, IR cover: plastic
Dimension	Ø105 mm × 293 mm (Ø4.13" × 11.53")

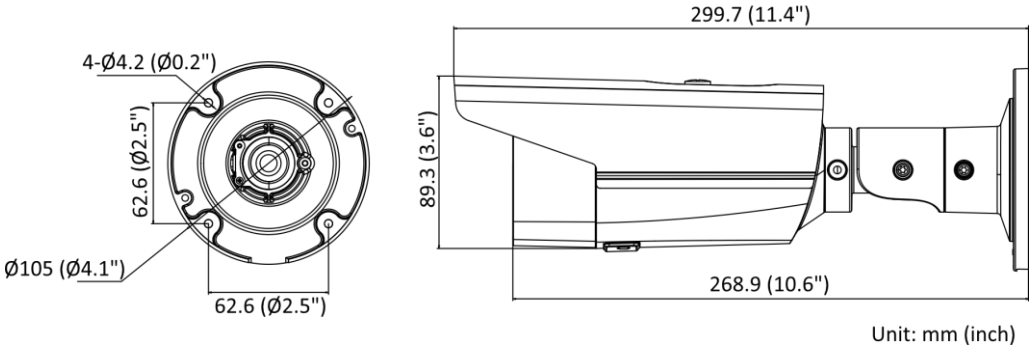
Package Dimension	386 mm× 156 mm × 155 mm (15.2" × 6.2" × 6.2")
Weight	Approx. 1065 g (2.4 lb.)
With Package Weight	Approx. 1560 g (3.5 lb.)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
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	Anti-flicker, heartbeat, password reset via email, pixel counter
Firmware Version	V5.5.113
Software Reset	Yes
Power Consumption and Current	-2I: 12 VDC, 0.67 A, max. 8.0W PoE (802.3af, 36 V to 57 V), 0.25 A to 0.16 A, max. 9.0 W -4I: 12 VDC, 0.92 A, max. 11.0 W PoE (802.3af, 36 V to 57 V), 0.35 A to 0.22 A, max. 12.5 W
Power Supply	12 VDC ± 25%, reverse polarity protection PoE: 802.3af, Class 3
Power Interface	Ø5.5 mm coaxial power plug
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)
Protection	IP67 (IEC 60529-2013)

▪ 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 Vertical Pole Mount	DS-1297ZJ Pendant Mount	DS-1297ZJ-ES Pendant Mount	DS-1232ZJ-T Cardan Joint	DS-1292ZJ Wall Mount

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