

# DS-2CD3756G2T-IZS/UHK AcuSense 5 MP Varifocal Dome Network Camera















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 5 MP resolution
- Excellent low-light performance with powered-by-DarkFighter technology
- Clear imaging against strong back light due to 120 dB true
   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-resistant (IK10)
- 3D DNR technology delivers clean and sharp images
- Motorized varifocal lens for easy installation and monitoring





# Specification

Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Min. Illumination	Color: 0.003 Lux @ (F1.4, 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
Power-off Memory	Yes
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Lens	
Lens Type	Varifocal lens, motor-driven lens, 2.7 to 13.5 mm and 7 to 35 mm optional
Iris Type	Auto-iris
	2.7 to 13.5 mm: Ø14
Lens Mount	7 to 35 mm: Integrated
	2.7 to 13.5 mm: horizontal FOV 103° to 32°, vertical FOV 73° to 24°, diagonal FOV 142°
Focal Length & FOV	to 40°
	7 to 35 mm: horizontal FOV 28° to 10°, vertical FOV 21° to 8°, diagonal FOV 35° to 13°
Zoom	5x
	2.7 to 13.5 mm: F1.4
Aperture	7 to 35 mm: F1.6
DORI	
DODI	2.7 to 13.5 mm: D: 64 to 187 m, O: 25 to 74 m, R: 12 to 37 m, I: 6 to 18 m
DORI	7 to 35 mm: D: 200 to 580 m, O: 79 to 230 m, R: 40 to 116 m, I: 20 to 58 m
Illuminator	
Supplement Light Type	IR
ID Dange	2.7 to 13.5 mm: up to 50 m
IR Range	7 to 35 mm: up to 60 m
IR Wavelength	850 nm
Smart Supplement Light	Yes
Video	
Max. Resolution	2592 × 1944
	50 Hz: 25 fps (2592 × 1944, 2688 × 1520, 2560 × 1440, 2304× 1296, 1920 × 1080, 1280
	× 1024, 1280 × 960, 1280 × 720)
Main Stream	60 Hz: 24 fps (2592 × 1944)
	30 fps (2688 × 1520, 2560 × 1440, 2304× 1296, 1920 × 1080, 1280 × 1024, 1280
	× 960, 1280 × 720)
	50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480, 640 × 360)
Cula China ana	30 Hz. 23 Hp3 (1320 × 1300), 1200 × 720, 704 × 400, 040 × 400,
Sub-Stream	60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480, 640 × 360)
Sub-Stream	
Sub-Stream  Third Stream	60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480, 640 × 360)



	50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)
Fourth Stream	60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)
	*Fourth stream is supported under certain settings.
Video Bit Rate	32 Kbps to 16 Mbps
	Main stream: H.265/H.264/H.264+/H.265+
	Sub-stream: H.265/H.264/MJPEG
Video Compression	Third stream: H.265/H.264
	Fourth stream: H.265/H.264/MJPEG
	*Third stream and fourth stream are supported under certain settings.
H.264 Type B/M/H	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)	5 fixed regions 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
Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC
Audia Dit Data	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)
Network	
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, ISUP
	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTCP, RTSP, NTP, UPnP,
Protocols	SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, ARP, SNMP, SIP,
	Multicast
SIP	Intercom integration
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
	Password protection, complicated password, HTTPS encryption, IP address filter, IP
Security	conflict, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS
	1.1/1.2, WSSE and digest authentication for Open Network Video Interface
	MicroSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto
Network Storage	network replenishment (ANR)
Network Storage	Together with high-end Hikvision memory card, memory card encryption and health
	detection are supported.
Client	iVMS-4200, Hik-Connect, Hik-Central
	Plug-in required live view: IE 10+
Web Browser (Live view)	Plug-in free live view: Chrome 57.0+, Firefox 52.0+
	Local service: Chrome 57.0+, Firefox 52.0+
Image	
SNR	≥ 52 dB
Day/Night Switch	Day, Night, Auto, Schedule
Target Cropping	Yes



Image Enhancement	BLC, HLC, 3D DNR
Image Parameters Switch	Yes
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
Interface	
Alarm	2 inputs, 2 outputs (max. 24 VAC/24 VDC, 1 A)
	1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 vpp, input impedance:
Audio	4.7 K $\Omega$ , interface type: non-equilibrium;
	1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 vpp, output
	impedance: 100 $\Omega$ , interface type: non-equilibrium
On-Board Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
Hardware Reset	Yes
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
Power Output	12 VDC, max. 100 mA
Event	
Basic Event	Motion detection (human and vehicle targets classification) 4 regions can be selected
Basic Event	with sensitivity bar, video tampering alarm, exception, SIP
Smart Event	Unattended baggage detection, object removal detection, scene change detection,
Smart Event	audio exception detection
Heat Map	Yes
People counting	Support counting people in and out.
Deep Learning Function	
Face Capture	Yes
	Line crossing detection, intrusion detection, region entrance detection, region exiting
Perimeter Protection	detection, fast moving detection, loitering detection, people gathering detection and
	parking detection
General	
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Linkage Method	Upload to NAS/memory card/FTP, notify surveillance center, trigger recording, trigger
zimage wetnou	capture, send email, audible warning
Firmware Version	V5.5.112
	33 languages
	English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak,
Web Client 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, mirror, privacy mask(4 regions), flash log, network logs,
	password reset via email, pixel counter
Software Reset	Yes
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%
ower suppry	PoE: 802.3af
Power Consumption and Current	12 VDC, 0.9 A, max. 10.8 W
. St. C. Sonsamption and Carrent	PoE (802.3af), max. 12.9 W



Power Interface	Ø5.5 mm coaxial power plug
Camera Material	Metal
Camera Dimension	Ø153.3 mm × 111.6 mm (6.0" × 4.4")
Package Dimension	261 mm × 217 mm × 197 mm (10.3" × 8.5" × 7.8")
Camera Weight	Approx. 885 g (1.9 lb.)
With Package Weight	Approx. 1843 g (3.2 lb.)
Approval	
	FCC SDoC (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
FAAG	+A1: 2014);
EMC	RCM (AS/NZS CISPR 32: 2015);
	IC VoC (ICES-003: Issue 6, 2016);
	KC (KN 32: 2015, KN 35: 2015)
	UL (UL 60950-1);
	CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014);
Safety	CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014);
	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);
Environment	Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529-2013), IK10 (IEC 62262:2002)
Additional information	
Intelligent IR function, with the	
possibility of disabling,	YES
automatic or setting the gain	TL3
value in levels between 1 to 100	
Able to trigger the shutter	YES
manually or automatically	TL3
Have independent sensitivity	
and threshold for each motion	YES
detection area	
have motion detection function	YES
with scheduling possibility	11.5
Have video and photo recording	
function on FTP server with the	YES
possibility of scheduling	
Have intercom integration to	
establish call via SIP (video and	
audio) by motion detection and	YES
call to a SIP extension	
pre-configured in the camera	



tex ove mo	Support overlaying date, time, text on video, must support overlay text, must have at least 3 more text fields, with a capacity of at least 22 characters each one	YES
	allow configuration of programmed daylight saving time input and output, allow sending of e-mails to at least 2 destinations, must allow the backup of configuration files, must allow sending videos and photos to the FTP server in the event of an event ( motion detection)	YES
	Have characters to verify the authenticity of the video (watermark) and the manufacturer's tool to verify the same	YES
	Support scheduled change of settings like brightness, contrast, saturation, sharpness, gamma, BLC, HLC, DWDR, shutter adjustments, gain adjustments, white balance, color, auto or black and white mode, making it possible to apply a specific set of settings over a period and a set of settings specific during another period	YES
	Have illegal access control	YES
	Have quality of service (QoS) for video stream and internal commands	YES
	have password protection with at least 11 levels of access	YES
	have firmware upgradeable via the web interface and the manufacturer's own software and the firmware versions must be freely available on the manufacturer's website.	YES

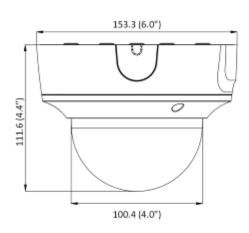


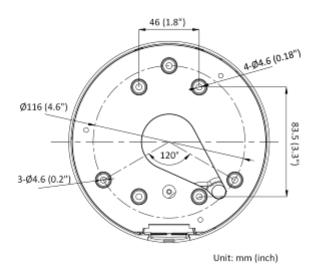
Integrated compatibility with visualization software in iOS and	
Android mobile applications	YES
provided by the manufacturer of	
the same	
Have face detection with	
metadata transmission	YES
that can be interpreted by	11.5
recorders with facial recognition	
Have perimeter artificial	
intelligence with the ability to	
classify humans and vehicles,	
parking detection, suspicious	
attitude and crowding of people,	YES
must have a heat map with	
reports of up to 1 week, must	
have people counting in 2 flows	
(input and output).	

## Available Model

DS-2CD3756G2T-IZS/UHK (2.7 to 13.5 mm, 7 to 35 mm)

## Dimension







#### Accessory

Included



# Optional



DS-1227ZJ-DM44
Pendant Mount







Distributed by

# HIKVISION'

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