DS-2CD2646G2T-IZS
AcuSense 4 MP IR Varifocal Bullet Network Camera

AcuSense

- High quality imaging with 4 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
- False alarm reduction through human and vehicle target classification based on deep learning
- -S: audio and alarm interface available
- Water and dust resistant (IP67) and vandal-resistant (IK10)
- 3D DNR technology delivers clean and sharp images

AcuSense

Empowered by deep learning algorithms, Hikvision AcuSense technology brings human or vehicle target classification alarms to front- and back-end devices. The system can greatly reduce false alarms generated by targets other than humans or vehicles, vastly improving alarm efficiency and effectiveness.

▪ Specification

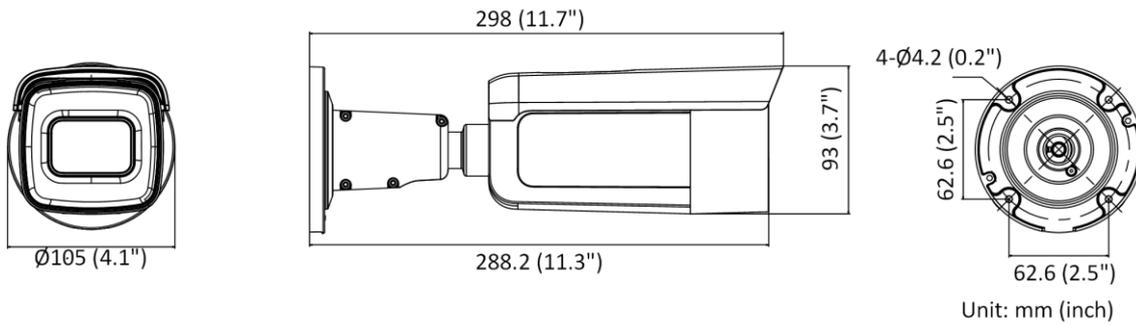| Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Min. Illumination	Color: 0.003 Lux @ (F1.4, AGC ON)
Shutter Speed	1/3 s to 1/100,000 s
Day & Night	ICR Cut
Slow Shutter	Yes
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°
P/N	P/N
Wide Dynamic Range	120 dB
Power-off Memory	Yes
Lens	
Lens Type & FOV	2.8 to 12 mm, horizontal FOV 108° to 30°, vertical FOV 56° to 17°, diagonal FOV 131° to 35°
Aperture	F1.4
Lens Mount	Ø14
Aperture Type	Fixed
Focus	Auto
Illuminator	
IR Range	Up to 60 m
Wavelength	850 nm
Smart Supplement Light	Yes
Supplement Light	IR
Video	
Max. Resolution	2592 × 1944
Main Stream	50Hz: 20fps (2592 × 1944) 　　　　25fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720) 60Hz: 20fps (2592 × 1944) 　　　　30fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)
Sub Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	50Hz: 25fps (1280 × 720, 640 × 480, 640 × 360, 360 × 240) 60Hz: 30fps (1280 × 720, 640 × 480, 640 × 360, 360 × 240)
Video Compression	Main stream: H.265/H.264 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
H.264+	Main Stream supports
H.265+	Main Stream supports
Bit Rate Control	CBR/VBR
Scalable Video Coding (SVC)	Yes
Region of Interest (ROI)	1 fixed region for each 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
Audio Bit Rate	64Kbps(G.711ulaw/G.711alaw)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/ 8-320Kbps(MP3)
Network	
Simultaneous Live View	Up to 6 channels
API	ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS
Smooth Streaming	Yes
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 1.2, WSSE and digest authentication for ONVIF
Network Storage	MicroSD/SDHC/SDXC card (256 GB) local storage, and 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: IE8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+
Image	
Day/Night Switch	Day, Night, Auto, Schedule
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	1 input, 1 output (max. 24 VDC/24 VAC @500 mA)
Audio	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Video Output	1Vp-p Composite Output (75 Ω/CVBS)
On-board Storage	Built-in micro SD slot, up to 256 GB
Hardware Reset	Yes
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Intelligent (Traditional Algorithm)	
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error),scene change detection
Intelligent (Deep Learning Algorithm)	
Face Capture	Yes
Premier Protection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection

General	
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)
Power Supply	12 VDC ± 25%, reverse polarity protection PoE: 802.3at, class 4
Power Consumption and Current	12 VDC, 1.12 A, max. 13.5 W PoE: (802.3at, 42.5 V to 57 V), 0.5 A to 0.3 A, max. 15 W
Power Interface	Ø5.5 mm coaxial power plug
Material	ADC12
Camera Dimension	Ø105 × 298 mm (4.1" × 11.7")
Package Dimension	385 × 190 × 180 mm (15.2" × 7.5" × 7.1")
Camera Weight	Approx. 1400 g (3.1 lb.)
With Package Weight	Approx. 2081 g (4.6 lb.)
Linkage Method	Upload to NAS/memory card, notify surveillance center, trigger record, trigger capture, audible warning
Web Client 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, mirror, privacy masks, flash log, password reset via e-mail, pixel counter
Software Reset	Yes
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); 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	Ingression protection: IP67 (IEC 60529-2013), IK10 (IEC 62262:2002)

▪ **Available Model**

DS-2CD2646G2T-IZS(2.8 to 12 mm)

▪ Dimension

298 (11.7")

93 (3.7")

4-Ø4.2 (0.2")

62.6 (2.5")

Ø105 (4.1")

288.2 (11.3")

62.6 (2.5")

Unit: mm (inch)

▪ Accessory

DS-1276ZJ-SUS

Corner Mount

DS-1260ZJ

Junction Box

DS-1275ZJ-S-SUS

Vertical Pole Mount

DS-1280ZJ-S

Junction Box

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