

## DS-2CD2646G2-IZS

4 MP AcuSense Powered-by-DarkFighter Motorized Varifocal Bullet 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 4 MP resolution
- Excellent low-light performance with powered-by-DarkFighter technology
- Motorized varifocal lens for easy installation and monitoring
- Clear imaging against strong backlight due to 120 dB true WDR technology
- Efficient H.265+ compression technology
- Focusing on human and vehicle targets classification based on deep learning
- Audio and alarm interface available
- Water and dust resistant (IP66) and vandal-resistant (IK10)



## ▪ Specification

Camera	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	Color: 0.003 Lux @ (F1.4, AGC ON)
Day & Night	ICR Cut
Shutter Speed	1/3 s to 1/100,000 s
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	
Focal Length & 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
Iris Type	Fixed
DORI	
DORI	2.8 to 12 mm (W): D: 64.0 m, O: 25.4 m, R: 12.8 m, I: 6.4 m 2.8 to 12 mm (T): D: 190 m, O: 75.4 m, R: 38.0 m, I: 19.0 m
Illuminator	
IR Range	Up to 60 m
IR Wavelength	850 nm
Smart Supplement Light	Yes
Supplement Light Type	IR
Video	
Max. Resolution	2688 × 1520
Main Stream	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 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.265+/H.264+ 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 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

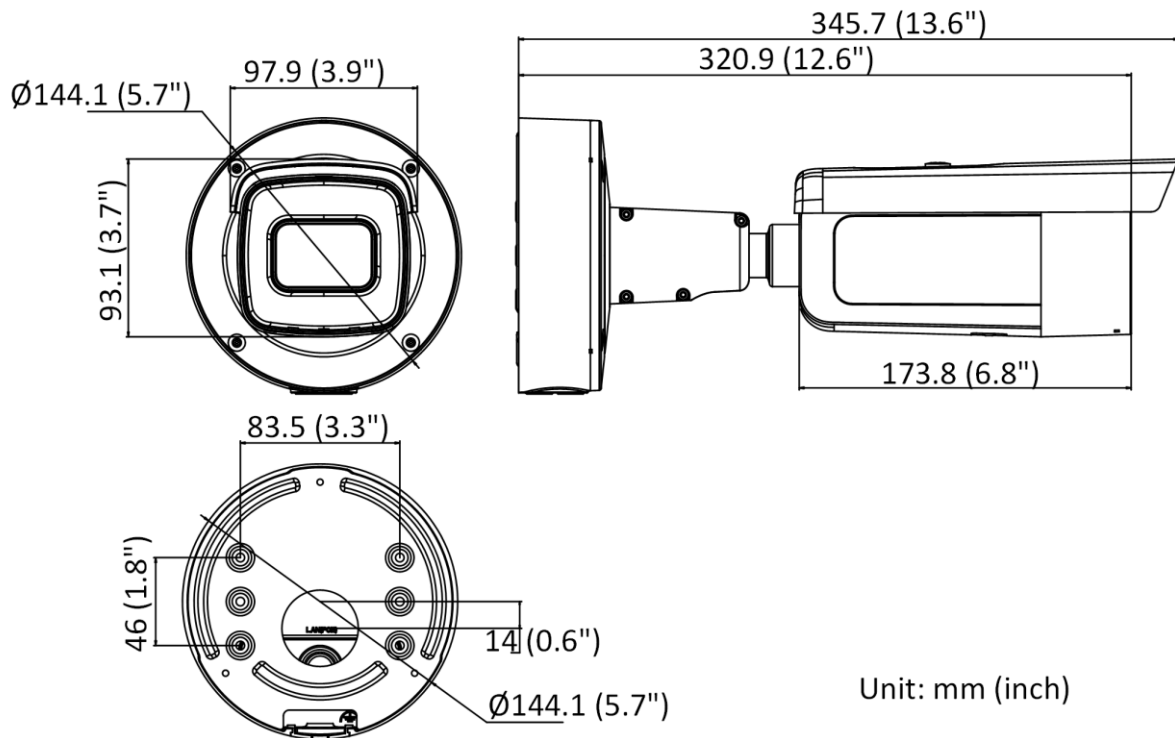
Scalable Video Coding (SVC)	H.265 and H.264 support
Region of Interest (ROI)	1 fixed region for main stream and sub-stream
<b>Audio</b>	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC)
<b>Network</b>	
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (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, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, ARP
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	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: IE 10+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+
<b>Image</b>	
SNR	≥ 52 dB
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
<b>Interface</b>	
Alarm	1 input, 1 output (max. 24 VDC/24 VAC, 1 A)
Audio	1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
On-Board Storage	Built-in micro SD slot, up to 256 GB
Hardware Reset	Yes
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
<b>Event</b>	
Basic Event	Motion detection (human and vehicle targets classification), video tampering alarm, exception
Smart Event	Scene change detection

Deep Learning Function	
Face Capture	Yes
Perimeter 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	DC: 12 V, 1.08 A, max. 13 W PoE: (802.3at, 42.5 V to 57 V), 0.36 A to 0.27 A, max. 15 W
Power Interface	Two-core terminal plug
Camera Material	ADC12
Camera Dimension	Ø144.1 × 345.7 mm (5.7" × 13.6")
Package Dimension	385 × 190 × 180 mm (15.2" × 7.5" × 7.1")
Camera Weight	Approx. 1445 g (3.2 lb.)
With Package Weight	Approx. 2571 g (5.7 lb.)
Linkage Method	Upload to NAS/memory card/FTP, notify surveillance center, trigger record, trigger capture, send email, 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 email, pixel counter
Software Reset	Yes
Firmware Version	V5.5.111
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); 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); LOA (IEC/EN 60950-1)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP66 (IEC 60529-2013), IK10 (IEC 62262:2002)

#### ▪ Available Model

DS-2CD2646G2-IZS (2.8 to 12 mm)

▪ **Dimension**



▪ **Accessory**

▪ **Optional**

DS-1476ZJ-SUS	DS-1275ZJ-S-SUS	DS-2251ZJ
Corner Mount	Vertical Pole Mount	Pendant Mount
		

Distributed by

**HIKVISION®****Headquarters**

No.555 Qianmo Road, Binjiang District,  
Hangzhou 310051, China  
T +86-571-8807-5998  
overseasbusiness@hikvision.com

**Hikvision USA**  
T +1-909-895-0400  
sales.usa@hikvision.com

**Hikvision Australia**  
T +61-2-8599-4233  
salesau@hikvision.com

**Hikvision India**  
T +91-22-28469900  
sales@pramahikvision.com

**Hikvision Canada**  
T +1-866-200-6690  
sales.canada@hikvision.com

**Hikvision Thailand**  
T +662-275-9949  
sales.thailand@hikvision.com

**Hikvision Europe**  
T +31-23-5542770  
sales.eu@hikvision.com

**Hikvision Italy**  
T +39-0438-6902  
info.it@hikvision.com

**Hikvision Brazil**  
T +55 11 3318-0050  
Latam.support@hikvision.com

**Hikvision Turkey**  
T +90 (216)521 7070- 7074  
sales.tr@hikvision.com

**Hikvision Malaysia**  
T +601-7652-2413  
sales.my@hikvision.com

**Hikvision UK & Ireland**  
T +01628-902140  
sales.uk@hikvision.com

**Hikvision South Africa**  
Tel: +27 (10) 0351172  
sale.africa@hikvision.com

**Hikvision France**  
T +33(0)1-85-330-450  
info.fr@hikvision.com

**Hikvision Kazakhstan**  
T +7-727-9730667  
nikia.panfilov@hikvision.ru

**Hikvision Vietnam**  
T +84-974270888  
sales.vt@hikvision.com

**Hikvision UAE**  
T +971-4-4432090  
salesme@hikvision.com

**Hikvision Singapore**  
T +65-6684-4718  
sg@hikvision.com

**Hikvision Spain**  
T +34-91-737-16-55  
info.es@hikvision.com

**Hikvision Tashkent**  
T +99-87-1238-9438  
uzb@hikvision.ru

**Hikvision Hong Kong**  
T +852-2151-1761  
info.hk@hikvision.com

**Hikvision Russia**  
T +7-495-669-67-99  
saleru@hikvision.com

**Hikvision Korea**  
T +82-(0)31-731-8817  
sales.korea@hikvision.com

**Hikvision Poland**  
T +48-22-460-01-50  
info.pl@hikvision.com

**Hikvision Indonesia**  
T +62-21-2933759  
Sales.Indonesia@hikvision.com

**Hikvision Colombia**  
sales.colombia@hikvision.com