DS-2CD3646G2/P-IZS
4 MP ANPR Motorized Varifocal Bullet Network Camera

WDR | H.265+ | IP67 | ABC123

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.

- High quality imaging with 4 MP resolution
- Excellent low-light performance with powered-by-DarkFighter technology
- Clear imaging against strong backlight due to 120 dB true WDR technology
- Efficient H.265+ compression technology
- License Plate Recognition
- Support Wiegand(26 bit & 34 bit)
- 3D DNR technology delivers clean and sharp images
- Water and dust resistant (IP67) and vandal-resistant (IK10)

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▪ **Function**

Road Traffic and Vehicle Detection

With embedded deep learning based license plate capture and recognition algorithms, the camera alone can achieve plate capture and recognition. The algorithm enjoys the high recognition accuracy of common plates and complex-structured plates, which is a great step forward comparing to traditional algorithms. Blocklist and allowlist are available for plate categorization and separate alarm triggering.

▪ Specification

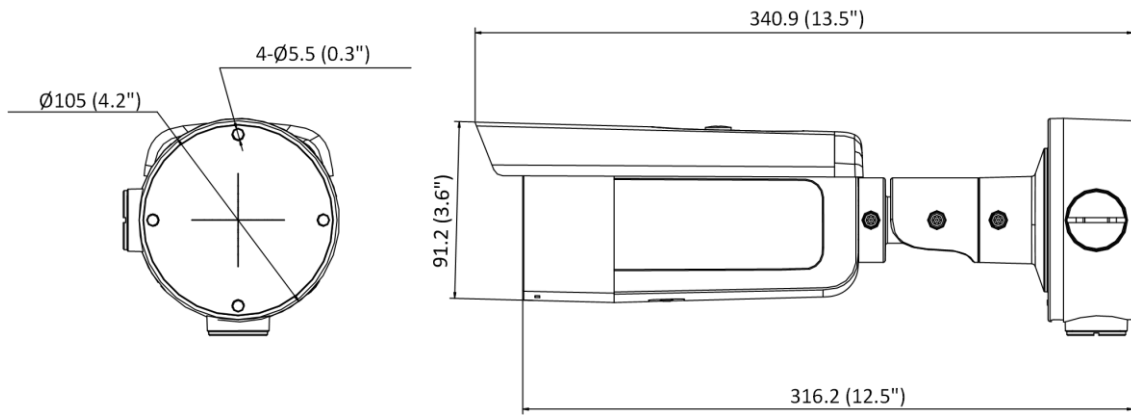| Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Min. Illumination	0.003 Lux @ (F1.4, AGC ON), 0 Lux with IR on
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
P/N	P/N
Wide Dynamic Range	120 dB
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Lens	
Lens Mount	Ø14
Focal Length & FOV	Horizontal FOV 107.6° to 30.3°, vertical FOV 56° to 17.1°, diagonal FOV 130.9° to 34.8°
Aperture	F1.4
DORI	
DORI	D: 64 m to 200 m, O: 25.4 m to 79.4 m, R: 12.8 m to 40 m, I: 6.4 m to 20 m
Illuminator	
IR Range	Up to 60 m Under road traffic mode: up to 8 m
IR Wavelength	850 nm
Smart Supplement Light	Yes
Video	
Max. Resolution	2688 × 1520
Main Stream	50Hz: 25 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720) 60Hz: 30 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)
Sub-Stream	50Hz: 25 fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30 fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	50Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240) 60Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240)
Fourth Stream	50Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240) 60Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240) *Fourth 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 Fourth stream: H.265/H.264/MJPEG *Fourth 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)	5 fixed regions for main stream and sub-stream

Network

Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (PROFILE S, PROFILE G), ISAPI, SDK, ISUP
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
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 Open Network Video Interface
Network Storage	MicroSD/SDHC/SDXC card (256 GB) local storage, and 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

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

Video Output	1 Vp-p Composite Output (75Ω/CVBS)
Alarm	1 input, 1 output (max. 24 VDC, 1 A; 24 VAC, 1 A)
Ethernet Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
Hardware Reset	Yes
Wiegand	1 wiegand (26 bit & 34 bit)

Event

Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Smart Event	Unattended baggage detection, object removal detection, scene change detection

Deep Learning Function

Face Capture	Yes
Perimeter Protection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Road Traffic and Vehicle Detection	Supports vehicle detection with speed ≤ 40 km; Supports vehicle detection (only in single lane entrance & exit scenario); Supports two license plate recognition modes: License Plate & Vehichle and Vehicle Priority; Blocklist and allowlist: up to 10,000 records; Captures vehicle that has no license plate; Supports three wigand protocols: CardID 26 bit, SHA-1 26 bit, and Hik 34 bit

General	
Linkage Method	Upload to FTP/NAS/memory card, send email, notify surveillance center, trigger record, trigger capture
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
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% PoE: 802.3at, Class 4
Power Consumption and Current	12 VDC, 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	Ø5.5 mm coaxial power plug
Camera Dimension	Ø105 × 340.9 mm (Ø4.2" × 13.5")
Package Dimension	385 × 190 × 180 mm (15.2" × 7.5" × 7.1")
Camera Weight	Approx. 1300 g (2.9 lb.)
With Package Weight	Approx. 2100 g (4.6 lb.)
Approval	
EMC	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 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC VoC (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, IEC 62368-1:2014); 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 60950-1)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529-2013)

▪ **Available Model**

DS-2CD3646G2/P-IZS (2.8 to 12 mm)

▪ **Dimension**

Ø105 (4.2")

4-Ø5.5 (0.3")

340.9 (13.5")

91.2 (3.6")

316.2 (12.5")

Unit: mm (inch)

▪ **Accessory**

▪ **Optional**

DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1275ZJ-S-SUS
Vertical Pole Mount	**Corner Mount**	**Vertical Pole Mount**

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