

iDS-2CD8A46G0-IZHS

4 MP IR Varifocal Bullet Network Camera

DarkFighter



DeepinView^{series}

- High quality imaging with 4 MP resolution
- Motorized vari-focal lens for easy installation and monitoring
- Clear imaging against strong back light due to 140 dB WDR technology
- Efficient H.265+ compression technology
- Water and dust resistant (IP67) and vandal proof (IK10)
- 3D DNR technology delivers clean and sharp images



▪ Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Min. Illumination	Color: 0.0045 Lux @ (F1.8, AGC ON), 0 Lux with IR
Shutter Speed	1 s to 1/100,000 s
Slow Shutter	Yes
Wide Dynamic Range	140dB
Day & Night	ICR Cut
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Lens	
Focus	Auto, semi-auto, manual
Lens Type & FOV	Motorized lens, 8 to 32 mm Horizontal FOV 38° to 15°, vertical FOV 21° to 9°, diagonal FOV 43° to 18°
Aperture	F1.8 to F2.0
Lens Mount	Integrated
Blue Glass Module	Yes
Illuminator	
IR Range	Up to 100 m
Wavelength	850 nm
Video	
Max. Resolution	2560 × 1440
Main Stream	50Hz: 25fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Sub Stream	50Hz: 25fps (704 × 576, 640 × 480) 60Hz: 30fps (704 × 480, 640 × 480)
Third Stream	50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Fourth Stream	50Hz: 25fps (704 × 576, 640 × 480) 60Hz: 30fps (704 × 480, 640 × 480)
Fifth Stream	50Hz: 25fps (704 × 576, 640 × 480) 60Hz: 30fps (704 × 480, 640 × 480)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream/Fourth Stream/Fifth Stream: H.265/H.264/MJPEG Third stream: H.265/H.264
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
Stream Type	5 defined streams
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	4 fixed regions and dynamic face tracking for each stream
Audio	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM

Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/32Kbps(PCM)
Network	
Simultaneous Live View	Up to 20 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, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, TLS 1.2
Network Storage	microSD/SDHC/SDXC card (256 GB), local storage and NAS (NFS,SMB/CIFS), ANR ; Together with ordinary memory card, memory card encryption is supported; 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+, Chrome41.0-44, Firefox30.0-51, Safari8.0-11 Plug-in free live view: Chrome45.0+, Firefox52.0+
Image	
Day/Night Switch	Day/Night/Auto/Schedule/Triggered by Alarm In
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24bit bmp format.
Image Enhancement	BLC, HLC, Defog, EIS, Lens Distortion, 3D DNR
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, white balance adjustable by client software or web browser.
SNR	≥52dB
Interface	
Alarm	2 inputs, 2 outputs (max. 24 VDC, 1 A)
Audio	1 input (line in, 3.5 mm), 1 output (line out, 3.5 mm)
RS-485	1 RS-485 interface (half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 256 GB
Communication Interface	1 RJ45 10M/100M/1000M Ethernet port
Power Output	12 VDC, max. 200 mA
Video Out	1Vp-p composite output (75 Ω/CVBS), only for adjustment
Smart Feature-Set	
Smart Event	Intrusion detection, up to 4 regions configurable Region entrance detection, up to 4 regions configurable Region exiting detection, up to 4 regions configurable Unattended baggage detection, up to 4 regions configurable Object removal detection, up to 4 regions configurable Scene change detection, audio exception detection, defocus detection
Intelligent (Traditional Algorithm)	
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error, video quality diagnosis)
Face Detection	No

Intelligent (Deep Learning Algorithm)	
Face Capture	Face detection performance: detects up to 30 faces at the same time. Face position: supports swing left and right from -60° to 60°, tilt up and down from -30° to 30°. Uploads face with background and closed-up face pictures.
Face Recognition	Detects, captures and selects best human face pictures; Recognizes face identity via face modeling, grading and comparing to those in face library; Up to 10 face libraries and each library is configurable, each library is up to 30000 faces, up to 90000 faces in total; Face library encryption: the camera chip has a hardware encryption module to protect data.
General	
Linkage Method	Trigger recording: memory card, network storage, pre-record and post-record Trigger captured pictures uploading: FTP, HTTP, NAS, Email, HTTPS Trigger notification: HTTP, ISAPI, alarm output, Email, HTTPS
Online Upgrade	Yes
Dual Backup	No
Firmware Version	5.5.86
Web Client Language	32 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)
General Function	Password protection, privacy mask, anti-flicker, heart, mirror, 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 ±20%, reverse polarity protection; three-core terminal block; PoE (802.3at, type 2, class 4)
Power Consumption and Current	With extra load: 12 VDC, 1.42A, max. 17.0 W; PoE (802.3at, 42.5 V to 57 V), 0.45 A to 0.33 A, max. 19.2 W Without extra load: 12 VDC, 1.22 A, max. 14.6 W; PoE (802.3at, 42.5 V to 57 V), 0.40 A to 0.29 A, max. 16.8 W "with extra load" means that an extra device is connected to and powered by the camera.
Power Interface	Three-core terminal block
Material	Metal
Camera Dimension	Camera: Φ144 × 347 mm (Φ5.7" × 13.7")
Package Dimension	With package: 405×190×180 mm (15.9" × 7.5" × 7.1")
Camera Weight	Camera: approx. 1940 g (4.3 lb.)
With Package Weight	With Package: approx. 3050 g (6.7 lb.)
Approval	
Class	Class B
Protection	Ingress protection: IK10 (IEC 62262:2002), IP67(IEC 60529-2013)

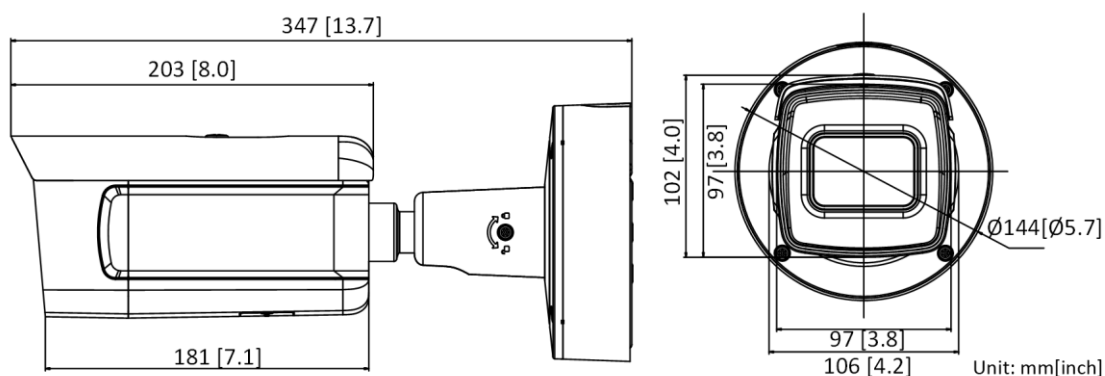
EMC	FCC ID (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015);
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)2006

▪ Available Model

iDS-2CD8A46G0-IZHS (8 to 32mm)

* -H: Heater supported.

▪ Dimension



Accessory



DS-1475ZJ-SUS
Vertical Pole Mount



DS-1476ZJ-SUS
Corner 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