IDS-2CD8A46G2-XZHS(0832/4)

Hikvision 4MP DeepinView Multi-Sensor Bullet Camera with 8-32mm & 4mm lens

Product Overview

Hikvision 4MP DeepinView Multi-Sensor Bullet Camera with 8-32mm & 4mm Lens, IP67, IK10, High quality Imaging with 4MP Resolution in channel 1 and 4MP Resolution in channel 2, Low-light Performance via DarkFighter 2.0 Technology, 140 dB WDR Technology, 5 streams, Capture vehicles and humans, License Plate Recognition and vehicle attribution recognition, Hybrid (IR and White Light) supplement Light Type, H.265+ / H.265 / H.264+ / H.264 Video Compression, 4 fixed regions for each Stream, Mono Sound, Up to 20 channels simultaneous live View, 1 vp-p composite Output Video Output, 1x RJ45 Gigabit Self-Adaptive Ethernet Port, Built-In Memory card slot up to 256 GB, 2 inputs & 2 Outputs Alarm, 2 Built-In microphones, 1 Input Audio, 1 Output Audio, 1 Built-In Speaker, 1x RS-485, 1 Wiegand





Specifications

About this product

Offering dual 4 MP sensors with superior low-light and wide dynamic range performance, this Hikvision bullet camera excels in capturing license plates, vehicles and humans in both detailed and panoramic views. Rugged, intelligent, and efficient, it is the ideal choice for professional surveillance. Buy now from our site or shop now from our online store.

Overview Summary

IDS-2CD8A46G2-XZHS(0832/4) Hikvision 4 MP DeepinView Multi-Sensor Bullet Camera

This advanced surveillance camera provides dual-channel 4 MP imaging, combining high-resolution detail and wide-angle coverage. With DarkFighter 2.0 low-light technology, 140 dB WDR, hybrid IR and white light, and robust IP67 and IK10 ratings, it delivers reliable performance in varied lighting and harsh environments.

With built-in license plate and vehicle recognition, 5 video streams, H.265+ compression, and extensive smart analytics, this camera suits demanding security applications-from traffic monitoring to perimeter protection-while optimizing storage and bandwidth use.

Performance tier: Premium enterprise

Uses:perimeter surveillance, traffic monitoring, license plate recognition, vehicle and human capture, city street monitoring

Description

This Hikvision multi-sensor bullet camera is engineered for professional surveillance deployments. Its dual high-resolution channels allow operators to capture fine details-like license plates or faces-while simultaneously covering broad areas. The inclusion of DarkFighter 2.0 technology and 140 dB WDR ensures clear imagery in low-light or high-contrast environments. Built-in analytics support license plate recognition, face capture and face comparison, and vehicle attribute detection, enhancing situational awareness and reducing reliance on external software.

Encased in rugged aluminium with IP67 and IK10 ratings, it withstands harsh weather and vandalism. The hybrid infrared and white-light supplement enables unobtrusive nighttime capture and dynamic alerting. Multiple streams and efficient H.265+ encoding conserve bandwidth and storage. With POE support and a full suite of network and audio interfaces, this camera integrates seamlessly into enterprise-grade security systems, making it ideal for city streets, perimeter surveillance, traffic control, and critical infrastructure monitoring.

Quick Specification

- Dual-channel 4 MP
- DarkFighter 2.0 low-light + 140 dB WDR
- Hybrid IR & white light, up to 100 m range
- License plate recognition >=98%
- H.265+ compression, 5 streams
- Power: PoE / 12 VDC / 24 VAC
- IP67, IK10 protection

Overview:

4MP DeepinView Multi-Sensor Bullet Camera

- High quality imaging with 4 MP resolution in channel 1 and 4 MP resolution in channel 2
- Adopt dual-channel design so you can get details in channel 1 and panorama view in channel 2
- Excellent low-light performance via DarkFighter 2.0 technology
- Clear imaging against strong back light due to 140 dB WDR technology
- Efficient H.265+ compression technology to save bandwidth and storage
- 5 streams to meet a wide variety of applications
- Water and dust resistant (IP67) and vandal proof (IK10)
- Capture vehicles and humans of different speed clearly via ShotN technology
- License plate recognition and vehicle attribution recognition

Available models:

iDS-2CD8A46G2-XZHSY(0832/4)

What's in the Box

- IDS-2CD8A46G2-XZHS(0832/4) camera unit
- Mounting bracket and hardware
- Power terminal block
- User manual and quick start guide
- Warranty card

Specifications:

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Specifications	
Product Code	IDS-2CD8A46G2-XZHS(0832/4)
Camera	
Image Sensor	Channel 1: 1/1.8" Progressive Scan CMOS
	Channel 2: 1/1.8 Progressive Scan CMOS"
Max. Resolution	Channel 1: 2688 x 1520, channel 2: 2688 x 1520
Min. Illumination	Channel 1: Color: 0.0005 Lux @ (F1.2, AGC ON), 0 Lux with Light, B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR
	Channel 2: Color: 0.0003 Lux @ (F1.0, AGC ON), 0 Lux with Light, B/W: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with IR
Shutter Time	1 s to 1 / 100,000 s
Day & Night	IR cut filter
	Blue glass module (less ghost phenomenon)
Angle Adjustment	Pan: 0degrees to 355degrees,tilt: 0degrees to 90degrees,rotate: 0degrees to 360degrees
Lens	
Focal Length & FOV	Channel 1: 8 to 32 mm : horizontal FOV 42.5degrees to 15.2degrees, vertical FOV: 23.4degrees to 8.7degrees, diagonal FOV 49.7degrees to 17.3degrees
	Channel 2: 4 mm: horizontal FOV: 89degrees, vertical FOV: 45degrees, diagonal FOV: 107degrees
Focus	Channel 1: Auto, semi-auto, manual
Iris Type	Channel 1: P-iris
	Channel 2: Fixed
Aperture	Channel 1: Constant F1.6 throughout the zoom range
	Channel 2: F1.0
DORI	
DORI	Channel 1:
	Wide: D: 150.3 m, O: 59.7 m, R: 30.1 m, I: 15 m
	Tele: D: 400 m, O: 158.7 m, R: 80 m, I: 40 m
	Channel 2:
	D: 77 m, O: 30.5 m, R: 15.4 m, I: 7.7 m
Illuminator	
Supplement Light Type	Hybrid (IR and White Light)
Supplement Light Range	Channel 1: up to 100 m
	Channel 2: up to 40 m
Smart Supplement Light	Yes

IR Wavelength	850 nm
Video	
Main Stream	Channel 1:
	50 Hz: 50 fps (2688 x 1520, 2560 x 1440, 1920 x 1080, 1280 x 720)
	60 Hz: 60 fps (2688 x 1520, 2560 x 1440, 1920 x 1080, 1280 x 720)
	Channel 2:
	50 Hz: 25 fps (2688 x 1520, 2560 x 1440, 1920 x 1080, 1280 x 720)
	60 Hz: 30 fps (2688 x 1520, 2560 x 1440, 1920 x 1080, 1280 x 720)
Sub-Stream	Channel 1:
	50 Hz: 25 fps (704 x 576, 640 x 480)
	60 Hz: 30 fps (704 x 480, 640 x 480)
	Channel 2:
	50 Hz: 25 fps (704 x 576, 640 x 480)
	60 Hz: 30 fps (704 x 480, 640 x 480)
Third Stream	Channel 1:
	50 Hz: 25 fps (1920 x 1080, 1280 x 720, 704 x 576, 640 x 480)
	60 Hz: 15 fps (1920 x 1080, 1280 x 720, 704 x 480, 640 x 480)
	Channel 2:
	50 Hz: 25 fps (1920 x 1080, 1280 x 720, 704 x 576, 640 x 480)
	60 Hz: 15 fps (1920 x 1080, 1280 x 720, 704 x 480, 640 x 480)
Fourth Stream	Channel 1:
	50 Hz: 25 fps (704 x 576, 640 x 480)
	60 Hz: 30 fps (704 x 480, 640 x 480)
	Channel 2:
	50 Hz: 25 fps (704 x 576, 640 x 480)
	60 Hz: 30 fps (704 x 480, 640 x 480)
Fifth Stream	Channel 1:
	50 Hz: 25 fps (704 x 576, 640 x 480)
	60 Hz: 30 fps (704 x 480, 640 x 480)
	Channel 2:
	50 Hz: 25 fps (704 x 576, 640 x 480)
	60 Hz: 30 fps (704 x 480, 640 x 480)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264
	Sub-stream: H.265/H.264/MJPEG
	Third stream: H.265/H.264
	Fourth stream: H.265/H.264/MJPEG
	Fifth stream: H.265/H.264/MJPEG

Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	Baseline Profile,Main Profile,High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR,VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	4 fixed regions for each stream
Target Cropping	Yes
Audio	
Audio Type	Mono sound
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
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 48 Kbps (PCM)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz
Environment Noise Filtering	Yes
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4/IPv6, UDP, Bonjour, SSL/TLS, WebSocket, WebSockets
Simultaneous Live View	Up to 20 channels
API	Open Network Video Interface (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP
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, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log, TLS 1.2, TLS 1.3
Network Storage	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
Web Browser	Plug-in required live view: IE 10, IE11
	Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Safari 11+
	Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
Image	
Image Parameters Switch	Yes
Image Settings	Saturation,brightness,contrast,sharpness,AGC,white balance,adjustable by client software or web browser
Day/Night Switch	Channel 1: Day, Night, Auto, Schedule, Alarm Trigger
	Channel 2: Day, Night, Auto, Schedule, Alarm Trigger

Wide Dynamic Range (WDR)	140 dB
Image Enhancement	Channel 1: BLC, HLC, 3D DNR, Defog, EIS
	Channel 2: BLC, HLC, 3D DNR, Defog
Privacy Mask	8 programmable polygon privacy masks
Picture Overlay	LOGO picture can be overlaid on video with 128 x 128 24 bit bmp format.
Interface	
Video Output	1 Vp-p Composite Output (75 ohm/CVBS) (Only for debugging)
Ethernet Interface	1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB
Alarm	2 inputs, 2 outputs (max. 24 VDC, 1 A)
Built-in Microphone	2 built-in microphones
Audio	1 input (line in), 3.5 mm connector, three-contact, max. input amplitude: 3.3 Vpp, input impedance: 4.7 Kohm, interface type: non-equilibrium
	1 output (line out), 3.5 mm connector, three-contact, max. output amplitude: 3.3 Vpp, output impedance: 100 ohm, interface type: non-equilibrium, mono sound
Built-in Speaker	1 built-in speaker
RS-485	1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
Reset Key	Yes
Power Output	12 VDC, max. 50 mA
Wiegand	1 Wiegand (CardID 26bit, SHA-1 26bit, Hik 34bit, NEWG 72 bit)
Event	
Basic Event	Motion detection,video tampering alarm,exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error),video quality diagnosis,vibration detection
Smart Event	Unattended baggage detection, object removal detection,scene change detection,audio exception detection,defocus detection
Linkage	Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger alarm output,trigger recording,trigger capture
Deep Learning Function	
Multi-target-type Detection	Channel 1
	Detects up to 60 targets simultaneously
	Supports simultaneous detection and capture of human body, face, motor vehicle, non-motor vehicle
	Gets 7 face features
	Gets 13 human body features
	Gets 2 vehicle features
	Supports license plate recognition

Face Capture	Channel 1
	Detects up to 120 faces simultaneously
	Supports swing left and right from -60degrees to 60degrees, tilt up and down from -30degrees to 30degrees
	Uploads face with background and closed-up face pictures
Face Comparison	Channel 1
	Up to 10 face libraries. 30,000 faces for each library. 150,000 faces in total.
	Recognizes face identity via face modeling, grading and comparing to those in face library
	Supports face library encryption
Perimeter Protection	Channel 1
	Line crossing, intrusion, region entrance, region exiting
	Support alarm triggering by specified target types (human and vehicle)
	Channel 2
	Line crossing, intrusion, region entrance, region exiting
	Support alarm triggering by specified target types (human and vehicle)
Road Traffic and Vehicle Detection	Channel 1
	Blocklist and allowlist: up to 10,000 records
	Support license plate recognition of motorcycles (only in checkpoint scenario)
	Support vehicle attribute detection, including vehicle type, color, brand, etc. (City Street mode is recommended.)
	License plate recognition rate >=98%
General	
Power	Three-core terminal block
	12 VDC +/- 20%, 1.89A, max. 22.6 W
	24 VAC +/- 20%, 1.48 A, max. 22.2 W
	PoE: IEEE 802.3at, Type 2, Class 4, 42.5 V to 57 V, 0.57 A to 0.43 A, max. 24 W
Material	Aluminum alloy body
Dimension	Ø140 mm x 410.1 mm (Ø5.5" x 16.1")
Package Dimension	462 mm x 197 mm x 195 mm (18.2" x 7.76" x 7.68")
Weight	Approx. 2.215 kg (4.85 lb.)
With Package Weight	Approx. 3.551 kg (7.45 lb.)
Storage Conditions	-40 degreesC to 60 degreesC (-40 degreesF to 140 degreesF). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-40 degreesC to 60 degreesC (-40 degreesF to 140 degreesF). Humidity 95% or less (non-condensing)
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	Heartbeat,one-key reset,mirror,password protection,flash log,anti-banding
Heater	Yes
Demist	Yes
Approval	
EMC	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021
	RCM: AS/NZS CISPR 32: 2015
	IC: ICES-003: Issue 7
	KC: KN32: 2015, KN35: 2015
Safety	CB: IEC 62368-1: 2014+A11
	CE-LVD: EN 62368-1: 2014/A11: 2017
	LOA: IEC/EN 60950-1
Environment	CE-RoHS: 2011/65/EU
	WEEE: 2012/19/EU
	Reach: Regulation (EC) No 1907/2006
Protection	IP67: IEC 60529-2013,IK10: IEC 62262:2002
Anti-Corrosion Protection	-Y model: NEMA 4X (NEMA 250-2018)
Automotive and Railway	EN50121-4
Other	PVC FREE

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/IDS-2CD8A46G2-XZHS-0832-4-Hikvision-4MP-DeepinView-Multi-Sensor-Bullet-Camera-with-p-326515.php

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