DS-2CD7A46G0-IZHS

4 MP Outdoor Varifocal Bullet Network Camera

DarkFighter

LightFighter

DeepinView series

- 1/1.8" (4 MP) Progressive Scan CMOS
- 2560 x 1440 Resolution @ 30 fps
- Human, Vehicle, and Face Detection
- EXIR 2.0 Range up to 165 ft (50 m)
- 2.8 to 12 mm Motorized Lenses
- Ultra-Low Light, 0.002 Lux (with f/1.2 Lens), Darkfighter Technology
- H.265+, H.265, H.264+, H.264
- 5 Defined Streams and 5 Custom Streams
- 140dB WDR, Lightfighter Technology
- Alarm Input/Output
- MicroSD Card Slot Supports 256 GB
- Convenient Integrated Conduit Base
- Anti-Fog Coating Inside of Lens Cover
- IP67, IK10 Protection
- 12 VDC and PoE (802.3af)

The Hikvision DS-2CD7A46G0-IZHS DeepinView Outdoor Varifocal Bullet Network Camera includes deep learning technology for human, vehicle, and face detection. It supports H.265+ video compression, which assures savings in bandwidth and storage. Darkfighter technology allows for viewing and recording in ultra low-light conditions.

With a WDR of 140dB and Lightfighter technology, it provides superb image quality.

The camera is equipped with a 2.8 to 12 mm varifocal lens, and offers an EXIR 2.0 IR range of up to 165 ft (50 m).

Smart features, such as line crossing, intrusion, scene change detection, and other event detection capabilities.

Available models:
DS-2CD7A46G0-IZHS

H.265+ Motorized IP67

Specifications

	DS-2CD7A46G0-IZHS
Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Minimum Illumination	Color: 0.002 lux @ (f/1.2, AGC on), 0 Lux with IR
Shutter Speed	1 s to 1/100,000 s
Slow Shutter	Yes
Day/Night	IR Cut Filter
Digital Noise Reduction	3D DNR
WDR	140dB
Angle Adjustment	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°
Lens	
Focal Length	2.8 to 12 mm
Aperture	f/1.2
Focus	Auto, semi-auto, manual
FOV	2.8 to 12 mm, horizontal FOV 109.2° to 38.9°, vertical FOV 56.2° to 21.9°, diagonal FOV 134.5° to 45°
Lens Mount	Integrated
IR	
IR Range	Up to 165 ft (50 m)
Wavelength	850 nm
Compression Standard	
Video Compression	Main stream: H.265+/H.265/H.264+/H.264; sub stream/third stream/fourth stream/fifth stream/custom stream: H.265+/H.265/H.264+/H.264/MJPEG
H.264 Type	Baseline profile/main profile/high profile
H.264+	Main stream support
H.265 Type	Main Profile
H.265+	Main stream support
Video Bit Rate	32 Kbps to 16 Mbps
Audio Compression	No
Audio Bit Rate	No
Smart Features	
Human and Vehicle Detection	Line crossing, intrusion, region entrance, region exiting; supports alarm triggering by specified target types (human and vehicle); Filtering out mistaken alarms caused by target types such as leaves, lights, animals, flags, etc.
Event Detection	Unattended baggage, object removal, scene change, defocus, and audio exception detection
Face Detection and Capture	Face detection performance: detects up to 30 faces at the same time. Detectable face position: supports left and right swings from -65° to 65°, tilting up and down from -45° to 45°.
Statistics	Counting
Region of Interest	Main stream/sub stream/third stream/fourth stream/fifth stream: four fixed regions and dynamic face tracking for each stream
Image	
Maximum Resolution	2560 x 1440
Main Stream	30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Sub Stream	30 fps (704 × 480, 640 × 480)
Third Stream	30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Fourth Stream	30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Fifth Stream	30 fps (704 × 480, 640 × 480)
Custom Stream	30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480); up to five custom streams are supported
Image Enhancement	BLC, HLC, 3D DNR, Defog, EIS, lens distortion correction
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser
Target Cropping	Yes
SVC	H.264 and H.265 encoding
Day/Night Switching	Day/night/auto/schedule/triggered by alarm in
Picture Overlay	Logo picture can be overlaid on video with 128 x 128 24 bit bmp format
Network	
Network Storage	MicroSD/SDHC/SDXC card (256 GB), local storage and NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error
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
Security Measures	Password protection, HTTPS encryption, IEEE 802.1x port-based network access control, IP address filtering, basic and digest authentication for HTTP/HTTPS, WSSE, and digest authentication for ONVIF
General Function	One-key reset, anti-flicker, five streams and five custom streams, heartbeat, password protection, privacy mask, watermark, and IP address filtering
API	ONVIF (PROFILE S, PROFILE G), ISAPI, SDK
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required for live view: IE 8-11, Chrome 41-44, Mozilla Firefox 30.0-51, Safari 8.0+ Plug-in free live view: Chrome 45+, Mozilla Firefox 52+
Interface	
Audio	No
Communication Interface	One RJ45 10M/100M/1000M Ethernet port
Alarm	2 inputs, 2 outputs (up to 12 VDC 1A or 10 VAC 500 mA)
Video Output	1 Vp-p composite output (75 Ω/CVBS)
On-Board Storage	Built-in microSD/SDHC/SDXC slot, up to 256 GB
BNC	CVBS analog output (4CIF resolution), internal
Reset Button	Yes
Audio	
Environment Noise Filtering	No
Audio Sampling Rate	No
General	
Operating Conditions	-22° F to 140° F (-30° C to 60° C); humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 20%, two-core terminal block; PoE (802.3at, class 4)
Power Consumption and Current	12 VDC, 1.4 A, 16.5 W; PoE (802.3at, 42.5 V to 57 V), 0.4 A to 0.3 A, class 4
Protection Level	IP67, IK10
Heater	Yes
Material	Aluminum alloy
Dimensions	Camera: Φ 5.7" x 13.7" (Φ 144 mm x 347 mm)
Weight	Camera: 5.40 lbs (2.45 kg)

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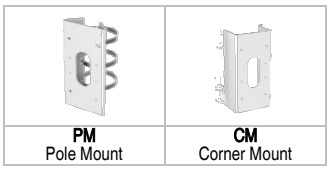
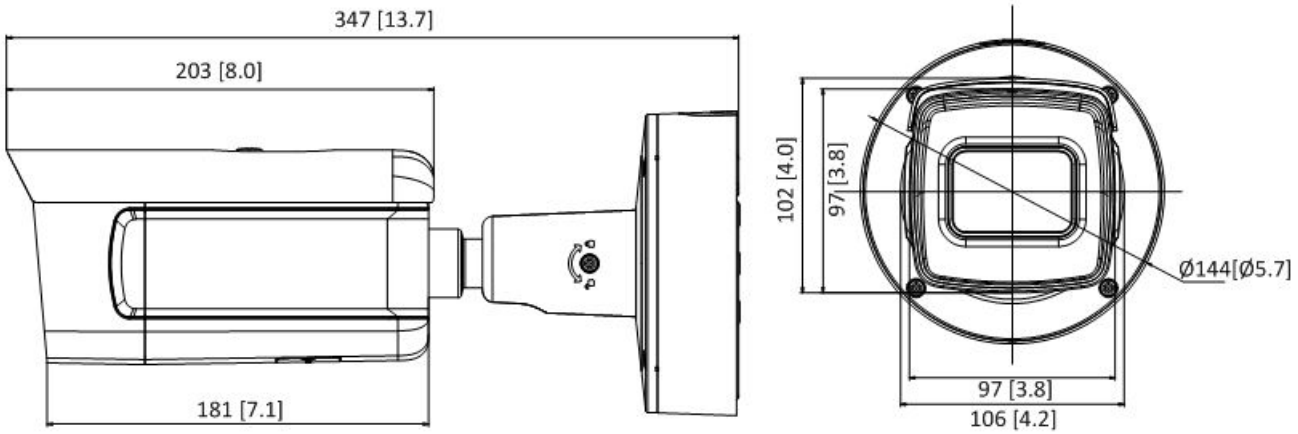
Rev. 121518NA

Accessories



PM	CM
Pole Mount	Corner Mount

Dimensions



Unit: mm[inch]

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