HIKVISION

DS-2CD5A46G0-IZHSx
4 MP Outdoor Varifocal Bullet Network Camera

DarkFighter

LightFighter

The Hikvision DS-2CD5A46G0-IZHSx Outdoor Varifocal Bullet Network Camera provides high definition output. 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 140 dB and Lightfighter technology, it provides superb image quality.

The camera can be equipped with a 2.8 to 12 mm or 8 to 32 mm motorized varifocal lens, and offers an EXIR 2.0 IR range of up to 165 ft (50 m) or 330 ft (100 m).

Smart features, such as line crossing, intrusion, scene change detection, and face detection are also supported.
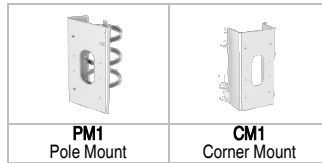
- 1/1.8" (4 MP) Progressive Scan CMOS
- 2560 x 1440 Resolution @ 30 fps
- EXIR 2.0 with up to 165 ft (50 m) or 330 ft (100 m) IR Range
- 2.8 to 12 mm or 8 to 32 mm Motorized Varifocal Lens Options
- Ultra-Low Light, 0.002 Lux (with f/1.2 Lens), Darkfighter Technology
- H.265+, H.265, H.264+, H.264
- 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 on Inside of Lens Cover
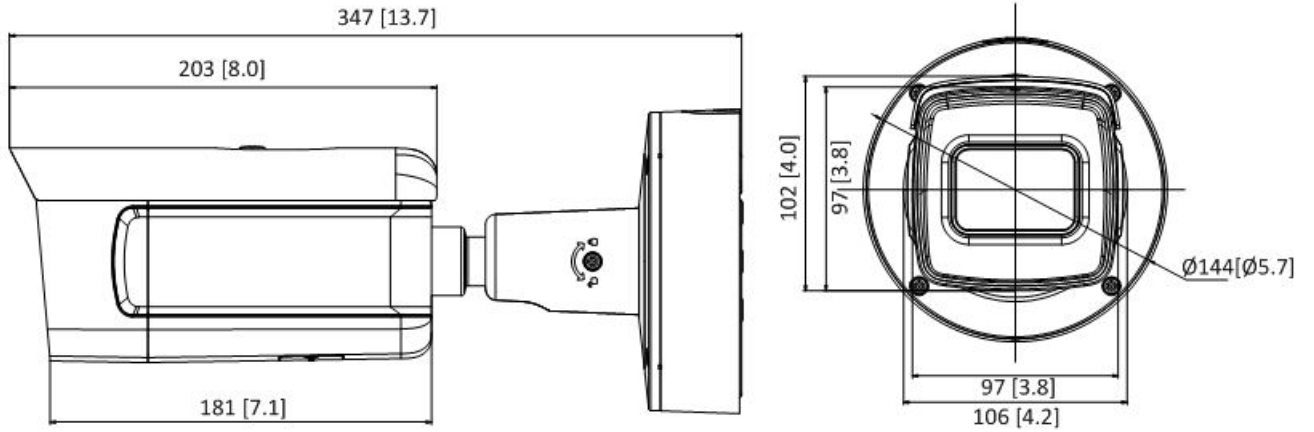- IP67, IK10 Protection
- 12 VDC and PoE (802.3af)

Available models:
DS-2CD5A46G0-IZHS
DS-2CD5A46G0-IZHS8

H.265+ | Motorized | 140dB WDR | 3D DNR | IP67

CE · FC · c(UL)us · ONVIF

Specifications

	DS-2CD5A46G0-IZHS	DS-2CD5A46G0-IZHS8
Camera		
Image Sensor	1/1.8" Progressive Scan CMOS	
Minimum Illumination	Color: 0.002 lux @ (f/1.2, AGC on), 0.005 lux @ (f/1.8, 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	140 dB	
Angle Adjustment	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	
Lens		
Focal Length	2.8 to 12 mm motorized varifocal lens	8 to 32 mm motorized varifocal lens
Aperture	f/1.2	f/1.8
Focus	Auto, semi-auto, manual	
FOV	2.8 to 12 mm, horizontal FOV 102° to 38°, vertical FOV 53° to 21.2°, diagonal FOV 122.2° to 45°	8 to 32 mm, horizontal FOV 37.7° to 15.2°, vertical FOV 21° to 8.6°, diagonal FOV 43.4° to 17.24°
Lens Mount	Integrated	
IR		
IR Range	Up to 165 ft (50 m)	Up to 330 ft (100 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	
H.265 Type	Main profile	
H.265+	Main stream	
Video Bit Rate	256 Kbps to 16 Mbps	
Audio Compression	No	
Audio Bit Rate	No	
Smart Features		
Behavior Analysis	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection	
Exception Detection	Scene change detection, defocus detection	
Statistics	Counting	
Face Detection	Yes	
Region of Interest	Four fixed regions for main stream, sub stream, third stream, fourth stream, fifth stream, and dynamic face tracking	
Image		
Maximum Resolution	2560 × 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	
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, 5 streams and up to 5 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, iVMS-5200, Hik-Central	
Web Browser	IE8+, Mozilla Firefox 30.0+, Google Chrome 31.0+, Safari 8.0+	
Interface		
Audio	No	
Communication Interface	1-port RJ45 10M/100M/1000M Ethernet port	
Alarm	2 inputs, 2 outputs (up to 24 VDC 1A or 110 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	
Reset Button	Yes	
General		
Operating Conditions	-40° F to 140° F (-40° 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, 1.3 A, maximum 15 W; PoE (802.3at, 42.5 V to 57 V), 0.4 A to 0.3 A	
Protection Level	IP67, IK10	
Heater	Yes	
Material	Aluminum alloy	
Dimensions	Camera: Φ 5.7" x 13.7" (Φ 144 mm x 347 mm); with package: 15.9" x 7.5" x 7.1" (405 mm x 190 mm x 180 mm)	
Weight	Camera: 5.40 lbs (2.45 kg); with package: 5.95 lbs (2.7 kg)	

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Rev. 093019NA

Accessories (Not Included)

PM1 Pole Mount	CM1 Corner Mount

Dimensions

347 [13.7]
203 [8.0]
181 [7.1]
102 [4.0]
97 [3.8]
97 [3.8]
106 [4.2]
Ø144[Ø5.7]

Unit: mm[inch]

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