

## DS-2CD5A85G0-IZHSx

### 8 MP Outdoor Varifocal Bullet Network Camera



- 1/1.8" (8 MP) Progressive Scan CMOS
- 3840 x 2160 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
- H.265+, H.265, H.264+, H.264
- 5 Defined Streams and 5 Custom Streams
- 120dB WDR
- 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)

The Hikvision DS-2CD5A85G0-IZHSx Outdoor Varifocal Bullet Network Camera provides high definition output. It supports H.265+ video compression, which assures savings in bandwidth and storage.

The camera can be equipped with 2.8 to 12 mm or 8 to 32 mm motorized varifocal lenses, 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.

#### Available models:

DS-2CD5A85G0-IZHS

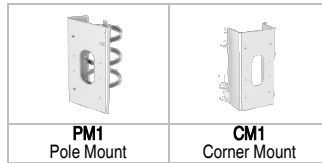
DS-2CD5A85G0-IZHS8



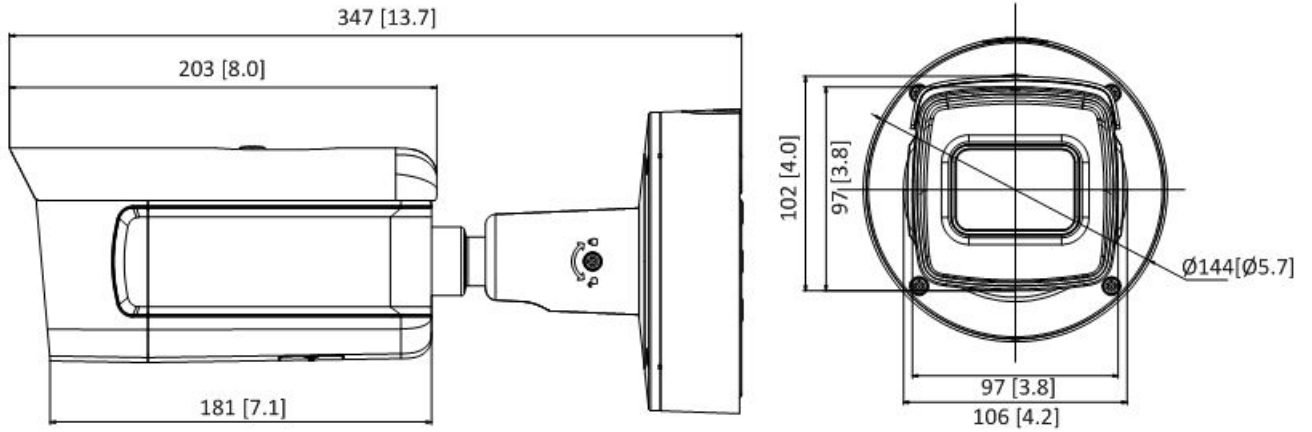
# Specifications

	DS-2CD5A8560-IZHS	DS-2CD5A8560-IZHS8
<b>Camera</b>		
Image Sensor	1/1.8" Progressive Scan CMOS	
Minimum Illumination	Color: 0.009 lux @ (f/1.2, AGC on), 0.016 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	120 dB	
Angle Adjustment	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	
<b>Lens</b>		
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 112.4° to 41°, vertical FOV 58° to 23°, diagonal FOV 137° to 47°	8 to 32 mm, horizontal FOV 39° to 15.6°, vertical FOV 21.8° to 8.9°, diagonal FOV 45° to 17.8°
Lens Mount	Integrated	
<b>IR</b>		
IR Range	Up to 165 ft (50 m)	Up to 330 ft (100 m)
Wavelength	850 nm	
<b>Compression Standard</b>		
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/MJPE6	
H.264 Type	Baseline profile/main profile/high profile	
H.264+	Main stream supports	
H.265 Type	Main Profile	
H.265+	Main stream supports	
Video Bit Rate	32 Kbps to 16 Mbps	
Audio Compression	No	
Audio Bit Rate	No	
<b>Smart Features</b>		
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	
<b>Image</b>		
Maximum Resolution	3840 × 2160	
Main Stream	30 fps (3840 × 2160, 3200 × 1800, 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	
<b>Network</b>		
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, 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+	
<b>Interface</b>		
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	
<b>Audio</b>		
Environment Noise Filtering	No	
Audio Sampling Rate	No	
<b>General</b>		
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: Ø 5.7" x 13.7" (Ø 144 mm x 347 mm)	
Weight	Camera: 5.40 lbs (2.45 kg)	

## Accessories (Not Included)



## Dimensions



Unit: mm[inch]