DS-2XS6F85G3-LIC1/4G
4MP AOV Wildlife Network Camera



It can be installed in the wild environment for concealed observation and capture, and can detect the wild animals and their living habits to provide guidance for animal protection research.

- High-sensitivity PIR detector to realize accurate detection of wild animals and high-definition image acquisition with the detection range covering horizontal 100° ± 5°
- Battery life: Number of captured images ≥ 10,000 or operating time ≥ 3 months (whichever is met first), in AOV mode ≥ 10 days
- Clear imaging against strong back light due to digital WDR technology
- Equipped with 2 high-efficiency dual-light array fill lights for even nighttime illumination, with switchable black/white or color imaging modes
- Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
- Supports GPS positioning
- Built-in microphone for real-time audio security

▪ Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	3840 × 2160
Min. Illumination	Color: 0.002 Lux @ (F1.2, AGC ON), B/W: 0.0002 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR
Shutter Time	1 s to 1/100,000 s
Day & Night	IR cut filter
Lens	
Focal Length & FOV	4 mm, horizontal FOV 87.6°, vertical FOV 46°, diagonal FOV 103.5°
Aperture	F1.6
Lens Mount	M12
DORI	
DORI	4 mm: D: 111.2 m, O: 44.1 m, R: 22.2 m, I: 11.1 m
Illuminator	
Supplement Light Type	IR, White Light
Supplement Light Range	IR: up to 20 m White Light: up to 15 m
IR Wavelength	850 nm
Smart Supplement Light	Yes
Video	
Main Stream	50 Hz: 12.5 fps (3840 × 2160, 2560 × 1920, 2560 × 1440, 1920 × 1080) 60 Hz: 15 fps (3840 × 2160, 2560 × 1920, 2560 × 1440, 1920 × 1080)
Sub-Stream	50 Hz: 12.5 fps (1920 × 1080) 60 Hz: 15 fps (1920 × 1080)
Video Compression	Main stream: H.265, Sub-stream: H.265
Video Bit Rate	32 Kbps to 8 Mbps
H.265 Type	Main Profile
Audio	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz
Audio Compression	G.711
Audio Bit Rate	64 Kbps (G.711ulaw)
Audio Type	Mono sound
Network	
Simultaneous Live View	Up to 6 channels
API	EZVIZ, ISUP
Protocols	IPv4, DHCP, IGMP, RTSP, ICMP, DNS, RTP, IPv6, QoS, NTP, TCP/IP, UDP, HTTP
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Client	Hik-Connect
Mobile Communication	
Frequency	LTE-TDD Band 38/40/41 LTE-FDD Band 1/3/5/7/8/20/28
Standard	LTE-TDD/LTE-FDD

Image	
Day/Night Switch	Day,Night,Auto,Schedule
Wide Dynamic Range (WDR)	Digital WDR
Image Enhancement	BLC,HLC,3D DNR
Image Parameters Switch	Yes
SNR	≥ 50 dB
Transducer	
Transducer Type	PIR
Detection Range	Up to 20 m
Detection Angle	Trigger: Horizontal: 100° ± 5°, vertical: 20° ± 5°; Capture: Horizontal: 70° ± 5°, vertical: 20° ± 5°
Satellite Positioning	
Satellite Positioning Detection	Support GPS and searching longitude and latitude of the device
Interface	
Built-in Microphone	Yes,1 built-in microphone
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Ethernet Interface	1 six-core 1.25 mm interface (it can be transferred as 1 12 VDC coaxial interface and 1 RJ 45 10 m/100 m self-adaptive Ethernet port)
Reset Key	Yes
Event	
Basic Event	Exception,PIR Alarm
General	
Power	Standby power consumption: 27 mW with network keep-alive, 0.87 mW without network keep-alive
Material	Plastic
Dimension	With antennas folded: 172.8 mm × 139.7 mm × 86.7 mm (6.8" × 5.5" × 3.4"), with antennas extending: 283.3 mm × 139.7 mm × 86.7 mm (11.2" × 5.5" × 3.4")
Language	English
Package Dimension	254 mm × 164 mm × 130 mm (10" × 6.4" × 5.1")
Weight	Approx. 640 g (1.41 lb.)
With Package Weight	Approx. 1.31 kg (2.89 lb.)
Storage Conditions	-20 °C to 60 °C (-4 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-20 °C to 60 °C (-4 °F to 140 °F). Humidity 95% or less (non-condensing)
Battery	
Battery Type	Chargeable lithium battery
Capacity	9.3 Ah
Battery Voltage	Rated voltage: 7.2 VDC Charging voltage: 8.4 VDC Discharging cut-off voltage: 5.6 VDC
Operating Temperature	-40 °C to 60°C (-4 °F to 140 °F)
Approval	
RF	CE-RED: EN 301489-1 V2.2.3, EN 301489-17 V3.2.4, EN 301489-52 V1.2.1, EN 300 328 V2.2.2, EN IEC 62311:2020
EMC	CE-EMC: EN 55032:2015+A11:2020+A1:2020,EN 50130-4:2011+A1:2014
Safety	CB: IEC 62368-1:2014+A11

Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006
Protection	IP67: IEC 60529-2013

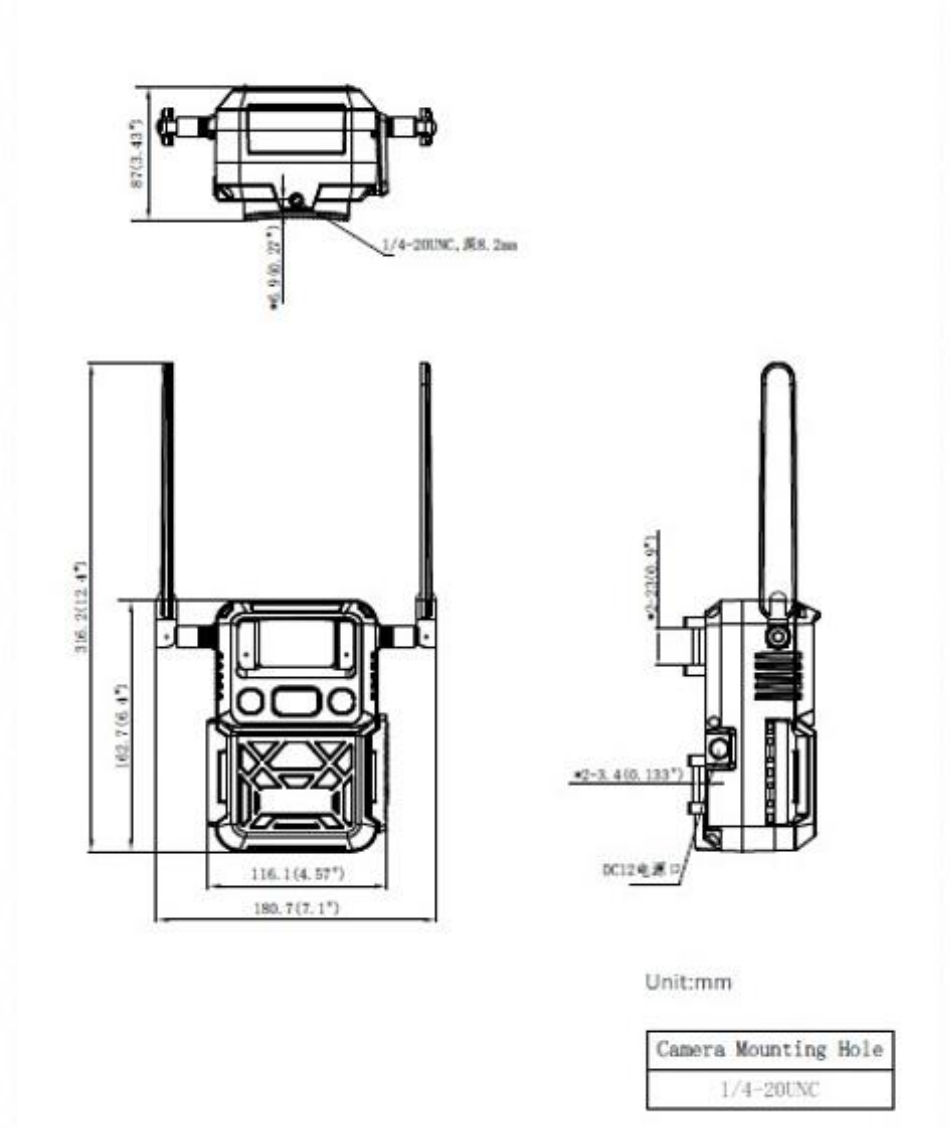
▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

▪ Dimension



Unit:mm

Camera Mounting Hole
1/4-20UNC

- **Accessory**
- **Optional**

DS-2XS5FMS10-D	DS-2XS5W8221
	

See Far, Go Further

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