

## DS-2XS6F45G1-IC1/S/4G 4 MP 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  $90^{\circ} \pm 5^{\circ}$
- Ultra-low power consumption: support sleep mode and performance mode. In sleep mode, the standby time can be up to 125 days
- Support short-range WLAN AP function to conveniently debug, record, and preview the video
- Advanced infrared technology with IR distance up to 15 m
- Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
- Supports LTE-TDD/LTE-FDD/WCDMA/GSM to realize wireless connection
- Built-in microphone for real-time audio security
- /S model: 6.2 W solar power supply

## ▪ Specification

| Camera                      |  |
|-----------------------------|--|
| Image Sensor                | 1/3" Progressive Scan CMOS   |
| Min. Illumination           | Color: 0.005 Lux @ (F1.2, AGC ON),B/W: 0.001 Lux @ (F1.2, AGC ON),B/W: 0 Lux with IR   |
| Max. Resolution             | 2688 × 1520  |
| Shutter Time                | 1 s to 1/100,000 s   |
| Day & Night                 | IR cut filter  |
| Lens                        |  |
| Focal Length & FOV          | 2.8 mm, horizontal FOV 103.6°, vertical FOV 57.2°, diagonal FOV 121.6°<br>4 mm, horizontal FOV 81.1°, vertical FOV 48.6°, diagonal FOV 90.6° |
| Aperture                    | F1.6   |
| Lens Mount                  | M12  |
| DORI                        |  |
| DORI                        | 2.8 mm: D: 63.6 m, O: 25.2 m, R: 12.7 m, I: 6.4 m<br>4 mm: D: 66.0 m, O: 26.2 m, R: 13.2 m, I: 6.6 m   |
| Illuminator                 |  |
| Supplement Light Type       | IR   |
| Supplement Light Range      | Up to 15 m   |
| IR Wavelength               | 850 nm   |
| Smart Supplement Light      | Yes  |
| Video                       |  |
| Main Stream                 | 50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)<br>60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)                                 |
| Video Compression           | Main stream: H.265   |
| Video Bit Rate              | 32 Kbps to 8 Mbps  |
| H.265 Type                  | Baseline Profile,Main Profile,High Profile   |
| Bit Rate Control            | CBR,VBR  |
| Scalable Video Coding (SVC) | H.265  |
| Audio                       |  |
| Environment Noise Filtering | Yes  |
| Audio Sampling Rate         | 8 kHz/16 kHz/32 kHz/48 kHz   |
| 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 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)            |
| Audio Type                  | Mono sound   |
| Network                     |  |
| Simultaneous Live View      | Up to 6 channels   |
| API                         | Open Network Video Interface (Profile S, Profile G),ISAPI,SDK,ISUP   |
| Protocols                   | TCP/IP, IPv6, DDNS, RTSP, HTTPS, HTTP, FTP, QoS, Bonjour, SNMP, WebSocket, WebSockets  |
| User/Host                   | Up to 32 users<br>3 user levels: administrator, operator, and user   |

|                                 |   |
|---------------------------------|---|
| Network Storage                 | Auto Network Replenishment (ANR),<br>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, IE 11,<br>Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+,<br>Local service: Chrome 57.0+, Firefox 52.0+, Safari 13+, Edge 89+ |
| <b>Mobile Communication</b>     |   |
| Frequency                       | LTE-TDD Band 38/40/41<br>LTE-FDD Band 1/3/5/7/8/20/28<br>WCDMA Band 1/5/8<br>GSM 850/900/1800MHz  |
| Standard                        | LTE-TDD/LTE-FDD/WCDMA/GSM   |
| <b>Image</b>                    |   |
| Day/Night Switch                | Day,Night,Auto,Schedule   |
| Wide Dynamic Range (WDR)        | 120 dB  |
| Picture Overlay                 | LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.   |
| Image Enhancement               | BLC,HLC,Defog,3D DNR  |
| Image Parameters Switch         | Yes   |
| Image Settings                  | Saturation,brightness,contrast,sharpness,AGC,white balance,adjustable by client software or web browser   |
| SNR                             | ≥ 52 dB   |
| <b>Transducer</b>               |   |
| Transducer Type                 | PIR   |
| Detection Range                 | Up to 15 m  |
| Detection Angle                 | 2.8 mm: Horizontal: 90° ± 5°, vertical: 25° ± 5°; 4 mm: Horizontal: 50° ± 5°, vertical: 20° ± 5°  |
| <b>Satellite Positioning</b>    |   |
| Satellite Positioning Detection | Support GPS and searching longitude and latitude of the device  |
| <b>Interface</b>                |   |
| Built-in Microphone             | 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,<br>Press to switch between performance mode and proactive mode. Hold the button for 10 sec to restore to defaults.   |
| <b>Event</b>                    |   |
| Basic Event                     | Exception,PIR Alarm   |
| Linkage                         | Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger recording   |
| <b>General</b>                  |   |
| Power                           | 6 to 8.4 VDC, 1.03 to 0.73 A, max. 6.2 W  |
| General Function                | Heartbeat,one-key reset,anti-banding,password protection,watermark, IP address filter   |

|                                  |   |
|----------------------------------|---|
| 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")  |
| Package Dimension                | 477 mm × 257 mm × 253 mm (10.2" × 8.5" × 9.5")  |
| 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     |
| Weight                           | Approx. 0.63 kg (1.39 lb.)  |
| With Package Weight              | Approx. 2.880 kg (6.35 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)  |
| <b>Battery</b>                   |   |
| Battery Type                     | Chargeable lithium battery  |
| Battery Voltage                  | Rated voltage: 7.2 VDC<br>Charging voltage: 8.4 VDC<br>Discharging cut-off voltage: 5.6 VDC   |
| Capacity                         | 9.4 Ah  |
| Operating Temperature            | -20 °C to 60°C (-4 °F to 140 °F)  |
| Cycle Lifetime                   | Cycle lifetime is calculated under the condition that the camera captures pictures 10 times per day (9 times during the day and 1 time at night), uploads once per day, and keeps alive for 3 hours per day with the ambient temperature at 25 °C (77 °F).<br>Cycle lifetime: 125 days<br>Make sure the battery is fully charged before using the device. |
| <b>Approval</b>                  |   |
| 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,<br>RCM: AS/NZS CISPR 32: 2015  |
| Safety                           | CB: IEC 62368-1: 2014+A11   |
| Environment                      | CE-RoHS: 2011/65/EU,<br>WEEE: 2012/19/EU,<br>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, |

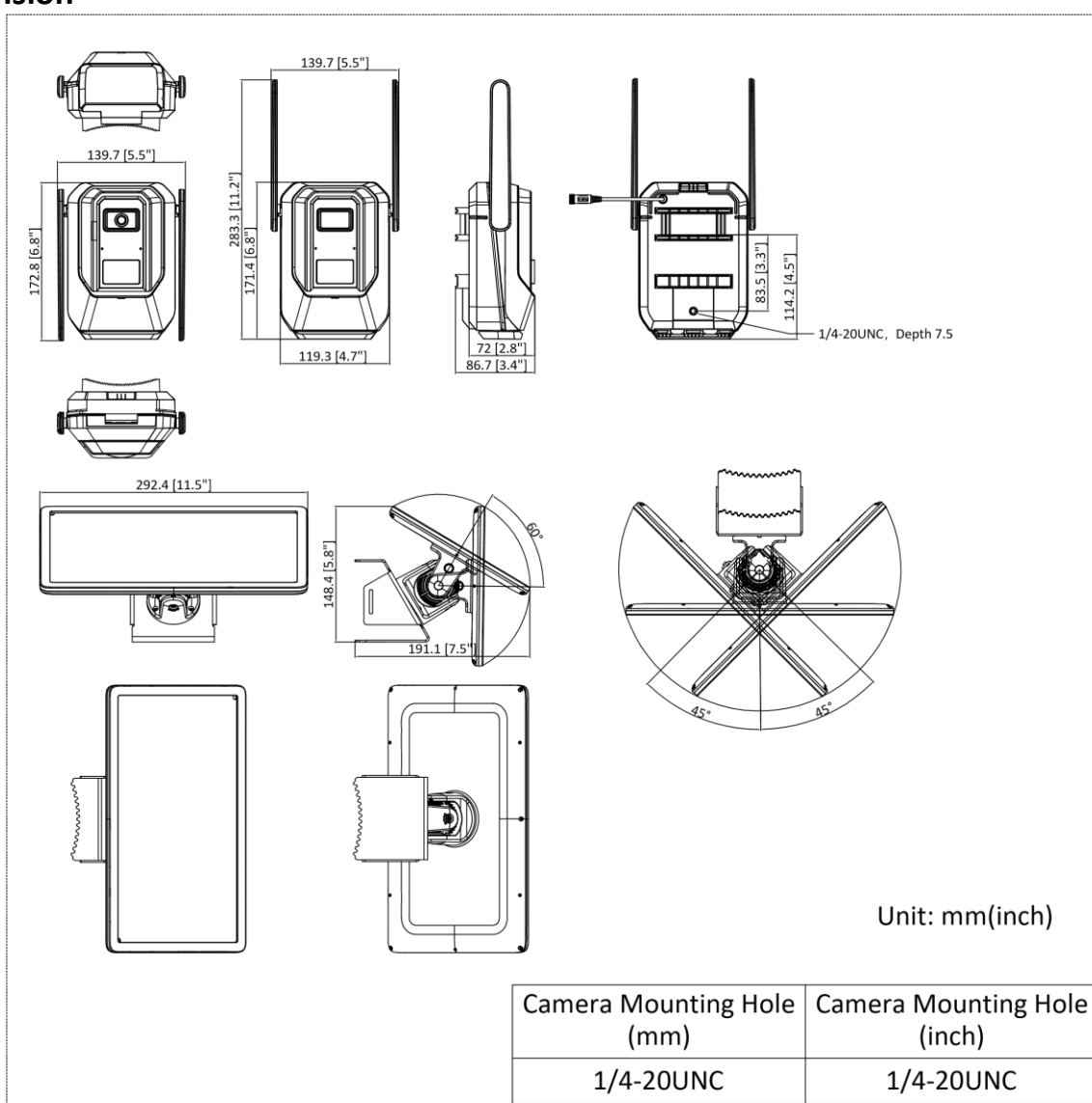
|                        |  |
|------------------------|--|
|                        | docks, chemical plants, and more.  |
| Moderate protection    | Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas 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.  |

## ▪ Available Model

DS-2XS6F45G1-IC1/S/4G(2.8mm)

DS-2XS6F45G1-IC1/S/4G(4mm)

## ▪ Dimension



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