

Wi-Fi Battery Security Camera

APOLLO BF8H



Series Overview

Driven by industry-leading technology, Dahua Wireless Series network cameras are highly precise and easy to install, producing high-quality images. They have strong wireless connection capabilities and do not require network cables, eliminating the need for a professional construction team. This series of cost-effective cameras supports local storage and is dustproof and waterproof. It is ideal for small and medium-sized scenes such as retail stores, homes, and other small and medium-sized enterprises.



4K
4K Ultra HD, Beyond Sharpness



Long-lasting Power, Non-stop Protection
Uninterrupted operations through battery and solar charging



AI Precise Detection with Quick Wake Up
Accurate human and vehicle detection with instant alerts



AOV (Always-On Video) Mode
24/7 protection with all-day recording and ultra-low power consumption



Sound and Light Alarm
Provides instant alarms to deter intruders



Smart Dual Light
Captures color details for post-event review



Dual-Band Wi-Fi 6
The perfect integration of speed and anti-interference.



Bluetooth Pairing
Fast pairing with Bluetooth



Supports Micro SD Card
Low-cost storage



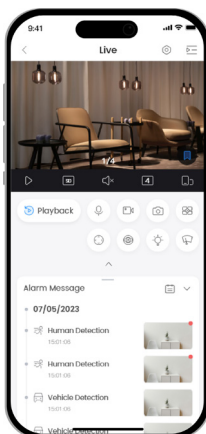
H.265
Advanced H.265 compression technology



Magnetic Base
Convenient and flexible installation



IP66 Protection
Withstands harsh environments



Upgrade Your Experience with DMSS

Intuitive AIoT app for individual security



Remote Management
Live view and recording history



Easy sharing
Safer device sharing with family and friends



Notifications and Alerts
Accurate and timely



High Security
Stay secure with all data encrypted





Specifications

Camera

| | |
|-----------------------|--|
| Image Sensor | 1/2.82" CMOS |
| Max. Resolution | 3840 (H) × 2160 (V) |
| Illumination Distance | Up to 15 m (49.21 ft) (IR) Up to 10 m (32.81 ft) (Warm light) |
| Illuminator Number | 2 (IR LED); 8 (Warm light) |
| Angle Adjustment | Pan: 0° to 360° Tilt: -60° to 0° Rotation: 0° to 360° |
| PIR Sensor Distance | 12 m (the height of device is 2.5 m, placed horizontally); 8 m (the height of the device is 2 m, placed at an angle of 30° from the horizontal) |
| Lens Type | Fixed-focal |
| Focal Length | 2.1 mm |
| Max. Aperture | F1.6 |
| Field of View | H: 123°; V: 66°; D: 145° |

Intelligence

| | |
|-------------------|-----|
| Human Detection | Yes |
| Vehicle Detection | Yes |

Audio and Video

| | |
|-------------------|---|
| Video Compression | H.265 |
| Video Frame Rate | Main stream: 3840 × 2160@(1-15 fps); sub stream: 640 × 360@(1-15 fps) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity. |
| Video Bit Rate | H.265: 32 kbps-4096 kbps |
| Day/Night | Auto(ICR)/Color/B/W |
| WDR | Yes |
| Motion Detection | OFF/ON (4 areas, rectangular) |
| Built-in MIC | Yes, built-in Mic |
| Built-in Speaker | Yes, built-in speaker |

Audio Compression

G.711a; G.711Mu; PCM

Network

| | |
|---------------------|---|
| Wi-Fi | IEEE 802.11a/b/g/n/ac/ax 2.4 G & 5 G, EIRP≤20 dBm@2400-2483.5MHz (CE), EIRP≤23 dBm@5150-5250 MHz (CE), EIRP≤20 dBm@5250-5350 MHz (CE), EIRP≤27 dBm@5470-5725 MHz (CE), EIRP≤14 dBm@5725-5875 MHz (CE) |
| Wi-Fi Pairing | Bluetooth pairing |
| Storage | Micro SD card (support max. 512 GB) |
| Management Software | DMSS |
| Mobile Client | Android;iOS |

General

| | |
|-----------------------|---|
| Certifications | CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; CE-RED: Radio Equipment Directive 2014/53/EU |
| Power Supply | USB (5 VDC±5%, 2 A) |
| Power Consumption | Ultra power saving mode: 0.0082 W Power saving mode: 0.0082 W AOV mode: 0.2834 W Performance mode: 1.4415 W |
| Operating Temperature | -20 °C to +50 °C (-4 °F to +140 °F) |
| Operating Humidity | ≤95% (RH), non-condensing |
| Protection | IP66 |
| Camera Button | Reset Button; Power Button |
| Casing Material | Plastic |
| Product Dimensions | 90.4 mm × 69.6 mm × 54.0 mm (3.56" × 2.74" × 2.52") |
| Net Weight | 0.3 kg (0.66 lb) |
| Battery | |
| Battery Capacity | 20.44 Wh |

What's in the box

- × 1
- Tools:**
Position Map × 1
Screw Package × 1
Bracket × 1
Mounting Plate × 1
Pin × 1
- Documents:**
Quick Start Guide × 1
Legal and regulation information × 1
- Power:**
Power Cable × 1

