



## 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: 0.0082W 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" × 2.12")
Net Weight	0.3 kg (0.66 lb)
Battery	20.44 Wh
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

