



## 8MP Wi-Fi Battery Bullet Network Camera Solar Monitoring System

# DH-BF8CA-XL/M0508



### 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



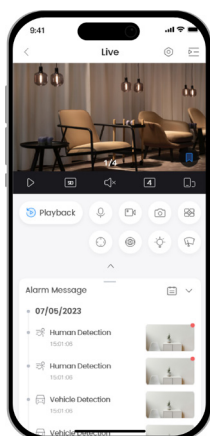
#### DMSS App

Easy to use



#### 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)<br>Up to 20 m (65.62 ft) (Warm light)                                                                                   |
| Illuminator Number    | 2 (Multi-core (IR + warm) light)                                                                                                                   |
| Angle Adjustment      | Pan: 0° to 360°<br>Tilt: -60° to 0°<br>Rotation: 0° to 360°                                                                                        |
| PIR Sensor Distance   | 12 m (the height of device is 2.5 m, placed horizontally);<br>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);<br>sub stream: 640 × 360@(1~15 fps)<br>*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    | 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: 0.008 W  
Power saving mode: 0.008 W  
AOV mode: 0.208 W  
Performance mode: 1.504 W

Operating Temperature

-20 °C to +60 °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

186.5 mm × Φ65.0 mm (7.34" × Φ2.56")

Net Weight

0.33 kg (0.73 lb)

### Battery

Battery Capacity

9000 mAh / 32.4 Wh

## What's in the box

