



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

DH-BF8CP-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



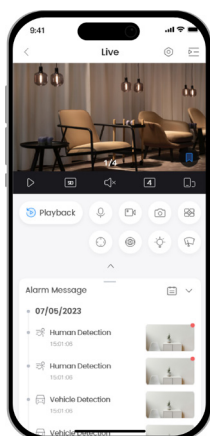
DMSS App

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

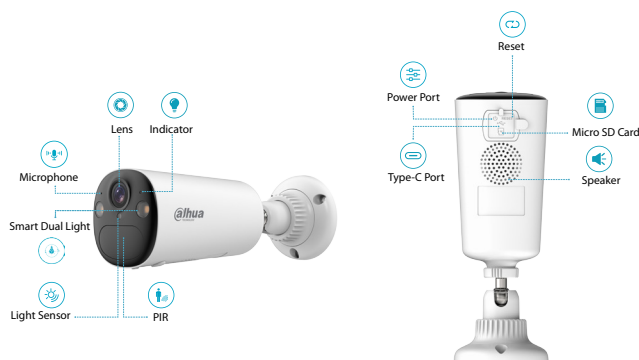
Accurate and timely



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) Up to 20 m (65.62 ft) (Warm light)
Illuminator Number	2 (Multi-core (IR + 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	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

