

Wi-Fi Solar Security System

APOLLO BP5E



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.



5MP

Clear images with sharp details



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



Cold-Weather Charging

Cold-weather preheating technology allows battery products to be charged in low-temperature environments.



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	1/3" CMOS
Max. Resolution	2880 (H) × 1620 (V)
Illumination Distance	3.6 mm: Up to 30 m (98.43 ft) (IR) Up to 20 m (65.62 ft) (Warm light)
Illuminator Number	2 (IR LED); 2 (Warm light)
Angle Adjustment	Pan: 0° to 350° Tilt: 0° to 90°
Lens Type	Fixed-focal
Focal Length	3.6 mm
Max. Aperture	F1.6
Field of View	3.6 mm: H: 78.4°; V: 42.4°; D: 92.4°

Intelligence

Human Detection	Yes
Vehicle Detection	Yes

Audio and Video

Video Compression	H.265
Video Frame Rate	Main stream: 2880 × 1620@(1–15 fps)
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

Network Port	RJ-45 (10/100 Base-T)
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Wi-Fi	IEEE 802.11b/g/n/a/ac/ax 2.4 G & 5 G, EIRP≤20 dBm@2400–2483.5 MHz (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	iOS;Android

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	Performance Mode: 1.22 W AOV Mode (0.5 fps): 0.1 W Ultra Power Saving Mode: 0.02 W
Operating Temperature	–20 °C to +50 °C (–4 °F to +122 °F)
Operating Humidity	≤95% (RH), non-condensing
Protection	IP66
Anti-corrosion Level	Basic Protection *The products are designed for general use and are applicable even in areas with no specific requirements for anti-corrosion protection.
Camera Button	Reset Button;Power On/SYNC Button
Casing Material	Plastic
Product Dimensions	162.4 mm × 141.2 mm × 248.8 mm (6.39" × 5.56" × 9.80") (L × W × H)
Net Weight	0.73 kg (1.61 lb)
Battery Capacity	Max 36 Wh
Operating Temperature	Charge: –10 °C to +50 °C (+14 °F to +122 °F) Discharge: –20 °C to +60 °C (–4 °F to +140 °F)

What's in the box

