4G Solar Security System

APOLLO BP6X-4G



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.

Dual 2K
Clear images with sharp details

Dual-lens, Double Vision
One camera, double the protection

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

Built-in Dual Mic
Captures clear, multi-directional audio while reducing background noise

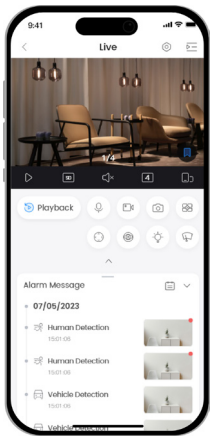
4G Connection
Expands your connectivity with 4G

Tap and View (2.8 mm + 6 mm only)
Tap anywhere on the close-up view in the App, and the PT lens will

IP66 Protection
Withstands harsh environments

Supports Micro SD Card
Low-cost storage

Smart Dual Light
Captures color details for post-event review



Upgrade Your Experience with DMSS

Intuitive AIoT app for individual security

Remote Management
Live view and recording history

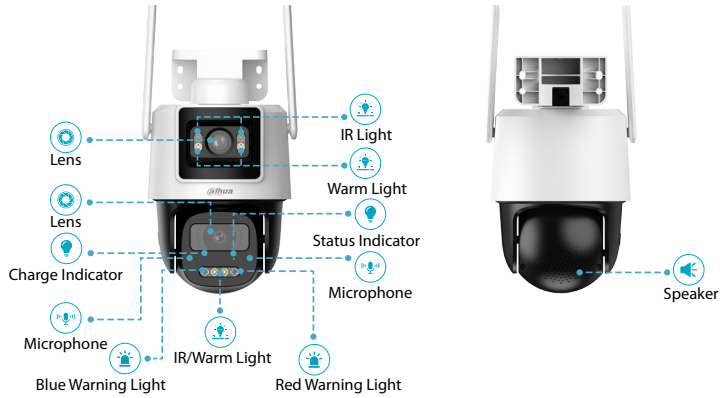
Easy sharing
Safer device sharing with family and friends

Notifications and Alerts
Accurate and timely

High Security
Stay secure with all data encrypted

Available on the App Store

GET IT ON Google play



Specifications

Camera (2.8 mm + 6 mm)

Fixed Lens

Image Sensor	1/3" CMOS
Max. Resolution	2304 (H) × 1296 (V)
Illumination Distance	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	Manual adjustment Pan: 0° to 334° Tilt: 0° to 25°
Lens Type	Fixed-focal
Focal Length	2.8 mm
Max. Aperture	F1.6
Field of View	H: 96°; V: 54°; D: 112°

PT Lens

Image Sensor	1/3" CMOS
Max. Resolution	2304 (H) × 1296 (V)
Illumination Distance	Up to 50 m (164.04 ft) (IR) Up to 40 m (131.23 ft) (Warm light)
Illuminator Number	2 (Multi-core (IR + warm) light); 1 pair (Red and blue warning light)
Angle Adjustment	Electrical adjustment Pan: 0° to 350° Tilt: 0° to 90°
Lens Type	Fixed-focal
Focal Length	6 mm
Max. Aperture	F1.6
Field of View	H: 49°; V: 27°; D: 58°

Camera (3.6 mm + 3.6 mm)

Fixed Lens

Image Sensor	1/3" CMOS
Max. Resolution	2304 (H) × 1296 (V)
Illumination Distance	Up to 30 m (98.43 ft) (IR) Up to 30 m (98.43 ft) (Warm light)
Illuminator Number	2 (IR LED); 2 (Warm light)
Angle Adjustment	Manual adjustment Pan: 0° to 334° Tilt: 0° to 25°
Lens Type	Fixed-focal
Focal Length	3.6 mm
Max. Aperture	F1.6
Field of View	H: 79°; V: 43°; D: 94°

PT Lens

Image Sensor	1/3" CMOS
Max. Resolution	2304 (H) × 1296 (V)
Illumination Distance	Up to 30 m (98.43 f) (IR) Up to 30 m (98.43 f) (Warm light)
Illuminator Number	2 (Multi-core (IR + warm) light); 1 pair (Red and blue warning light)
Angle Adjustment	Electrical 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	H: 79°; V: 43°; D: 94°

Intelligence

Human Detection	Yes
Vehicle Detection	Yes

Audio and Video

Video Compression	H.265
Video Frame Rate	Main stream: 2304 × 1296@(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: 12 kbps–4096 kbps
WDR	Yes
Digital Zoom	Yes
Built-in MIC	Yes, built-in dual Mic
Built-in Speaker	Yes, built-in speaker
Audio Compression	G.711a; G.711Mu; PCM; AAC-LC
Built-in Speaker	Yes, built-in speaker
Audio Compression	G.711a; AAC-LC

Network

Network Port	RJ-45 (10/100 Base-T)
Carrier Network System	4G(-LA) FDD-LTE: B2/B3/B4/B5/B7/B8/B28/B66 TDD-LTE: B38/B40/B41 Power class3: 23 dBm±2.7 Db Applicable regions: Latin America; 4G(-EAU/-EUR) FDD-LTE: B1/B3/B5/B7/B8/B20/B28 TDD-LTE: B38/B40/B41 Power class3: 23 dBm±2.7 dB Applicable regions: Europe
Storage	Micro SD card (supports 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	Performance Mode: 1578 mW (light off)/2434 mW (IR light on)/5306 mW (light on+PT+Warning light on+Speaker on) AOV Mode (0.5 fps): 138 mW (light off)/221 mW (IR light on) Ultra Power Saving Mode: 69 mW
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 Button
Casing Material	Plastic
Product Dimensions	172.5 mm × 142.7 mm × 276.3 mm (6.79" × 5.62" × 10.88") (L × W × H)
Net Weight	0.94 kg (2.07 lb)

Battery

Battery Capacity	10000 mAh / 36 Wh
Operating Temperature	Charge (-EUR): –20 °C to +50 °C (–4 °F to +122 °F) Charge: 0 °C to +50 °C (+32 °F to +122 °F) Discharge: –20 °C to +60 °C (–4 °F to +140 °F)

Solar Module

Max. Power	8 W
Cell Type	Monocrystalline silicon

What's in the box

× 1

Tools:
- Position Map × 2
- Bracket × 2
- Screw Package × 2
- Waterproof Connector × 1

Documents:
- Quick Start Guide × 1
- Legal and regulation information × 1

Power:
- Solar Module × 1
- Power Cable × 1



© 2026 Dahua. All rights reserved. Design and specifications are subject to change without notice.
The images, specifications and information mentioned in the document are only for reference, and might differ from the actual product.