



4MP 4G Pan & Tilt Network Camera Solar Monitoring System

DH-KIT/IPC-PT2449B1-4GB20/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.



4MP

Clear images with sharp details



All-in-One Design

Self-powered and networked, with no extra wiring required



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



Two-way Talk

Communication anytime, anywhere



4G Connection

Expands your connectivity with 4G



Smart Dual Light

Captures color details for post-event review



IP66 Protection

Withstands harsh environments



Supports Micro SD Card

Low-cost storage



DMSS App

Easy to use



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	2560 (H) × 1440 (V)
Illumination Distance	Up to 30 m (98.43 ft) (IR) Up to 20 m (65.62 ft) (Warm light)
Illuminator Number	1 (Warm light); 1 (IR light); 1 pairs (Red and blue alarm 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	3.6 mm
Max. Aperture	F1.6
Field of View	H: 78.4°; V: 42.4°; D: 92.4°

Audio and Video

Video Compression	H.265
Video Frame Rate	Main stream: 2560 × 1440@(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

Network

Network Port	RJ-45 (10/100 Base-T)
Carrier Network System	(-EAU): FDD-LTE: B1/B3/B5/B7/B8/B20/B28; Applicable regions: Europe, Middle East, Africa Power class 3: 23dBm ±2.7dB (-LA): FDD-LTE: B2/B3/B4/B5/B7/B8/B28/B66; Applicable regions: Latin America Power class 3: 23dBm ±2.7dB
Management Software	DMSS; DSS Pro
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	Built in 68Wh lithium battery Comes with 8 W solar panel Charging: USB Type-C
Power Consumption	Ultra power saving mode: 0.04 W Power saving mode: 0.041 W AOV mode: 0.197 W Performance mode: 1.2 W
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Operating Humidity	≤95% (RH), non-condensing
Protection	IP66
Casing Material	Plastic
Product Dimensions	284 mm × 172 mm × 360 mm (11.57" × 6.77" × 14.17") (L × W × H)
Net Weight	1055 g (2.33 lb)

Battery

Battery Capacity	68 Wh
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What's in the box

