5MP Outdoor Fixed-focal Wi-Fi Pan & Tilt Network Camera

DH-P5I-PV



Series Overview

The Active Defense series of small PT cameras raises the bar on performance. After detecting an intrusion, it triggers sound and light alarms, and then instantly relays vital information on the intrusion to the mobile client, keeping you informed no matter where you are. It supports two-way talk, allowing you to communicate with people in front of the camera in real time. Additionally, it includes smart dual light that not only reduce light pollution, but also intelligently turn on when they are triggered by an event to assist the camera with capturing clear, full-color videos.

5MP
Clear images with sharp details

Sound and Light Alarm
Provides instant alarms to deter intruders

Smart Dual Light
Captures color details for post-event review

Auto Tracking
Automatic tracking of targets

AI Human Detection
Focuses on what matters and reduces false alarms

AI Vehicle Detection
Focuses on what matters and reduces false alarms

IP66 Protection
Withstands harsh environments

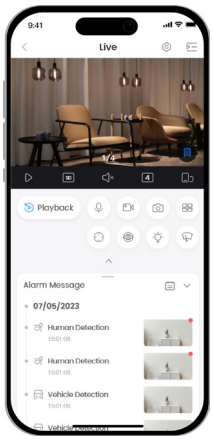
Two-way Talk
Communication anytime, anywhere

H.265
Advanced H.265 compression technology

Bluetooth Pairing
Fast pairing with Bluetooth

Wi-Fi 6
Seamless integration of speed and anti-interference

Supports Micro SD Card
Low-cost storage



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

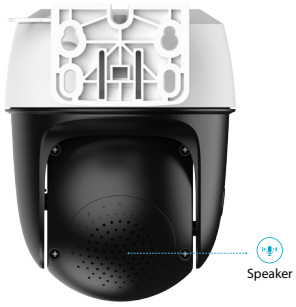
Notifications and Alerts
Accurate and timely

High Security
Stay secure with all data encrypted

Available on the App Store

GET IT ON Google play





Specifications

Camera

Image Sensor	1/3.2" CMOS
Max. Resolution	2880 (H) × 1620 (V)
Illumination Distance	Up to 30 m (98.43 ft) (Warm light) Up to 30 m (98.43 ft) (IR)
Illuminator Number	2 (IR LED); 2 (Warm light)
Angle Adjustment	Pan: 0°–350° Tilt: 0°–90°
Lens Type	Fixed-focal
Focal Length	2.8 mm;3.6 mm
Max. Aperture	F2.0
Field of View	2.8 mm: H: 95°; V: 53°; D: 110° 3.6 mm: H: 68°; V: 38°; D: 79°

Intelligence

Human Detection	Yes
Vehicle Detection	Yes

Audio and Video

Video Compression	H.265
Video Frame Rate	Main stream: 2880 × 1620@(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–6144 kbps
Day/Night	Color/B/W
WDR	DWDR
Motion Detection	OFF/ON (4 areas, rectangular)
Image Rotation	0°/180°
Built-in MIC	Yes, built-in Mic
Built-in Speaker	Yes, built-in speaker
Audio Compression	G.711a; G.711Mu; PCM; G.726

Network

Network Port	RJ-45 (10/100 Base-T)
Wi-Fi	IEEE 802.11b/g/n/ax 2.4 G, EIRP≤20 dBm@2400–2483.5 MHz (CE)
Wi-Fi Pairing	Bluetooth pairing
Storage	Micro SD card (support max. 256 GB)
Management Software	Smart PSS Lite; 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	12 VDC (±30%)
Power Consumption	Basic: 2.2 W (12 VDC); Max.: 11.3 W (12 VDC) (warm light intensity + sound and light alarm)
Operating Temperature	–30 °C to +50 °C (–22 °F to +122 °F)
Operating Humidity	≤95% (RH), non-condensing
Protection	IP66
Camera Button	Reset Button
Casing Material	Plastic
Product Dimensions	136 mm × 105 mm × 135 mm (5.35" × 4.13" × 5.31") (L × W × H)
Net Weight	336 g (0.74 lb)

What's in the box

× 1

Tools:
- Position Map × 1
- Mounting Plate × 1
- Waterproof Connector × 1
- Screw Package × 1

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

Power:
- Power Adapter × 1



© 2025 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.