3+3MP Outdoor WizColor Wi-Fi Dual-Lens Pan & Tilt Camera

DH-P3D-3F-PV-P



Series Overview

The Picoo Dual Series camera features both a fixed lens and PT lens, providing versatility for various surveillance needs. In low-light conditions, it leverages advanced WizColor technology to deliver crisp and vibrant images comparable to those captured in daylight. The camera supports both Wi-Fi and PoE connectivity options, ensuring flexible and stable network connections. Its dual lens system enables smart detection through advanced functions, such as AI human and vehicle detection, effectively minimizing false alarms. Moreover, with the assistance of the PT lens, it automatically tracks moving targets.

Dual 2K
Clear images with sharp details

AI ISP
Provides a more vibrant, brighter image under low-light conditions

Linkage Tracking
Coordinated fixed lens and PT lens monitoring ensures complete vigilance in security

Dual Channel Smart Detection
Smart detection for both lenses to focus on what matters

AI Human Detection
Focuses on what matters and reduces false alarms

AI Vehicle Detection
Focuses on what matters and reduces false alarms

Two-way Talk
Communication anytime, anywhere

IP66 Protection
Withstands harsh environments

Sound and Light Alarm
Provides instant alarms to deter intruders

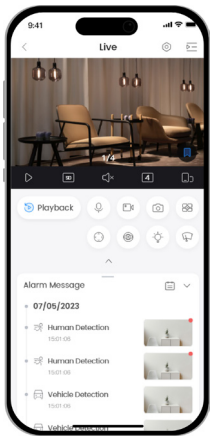
One Camera for 360° View
360° monitoring without blind spots

Supports Micro SD Card
Low-cost storage

Bluetooth Pairing
Fast pairing with Bluetooth

Wi-Fi 6
The perfect integration of speed and anti-interference

H.265
Advanced H.265 Compression Technology



Upgrade Your Experience with DMSS

Intuitive AIoT app for individual security

Remote Management
Live view and recording history

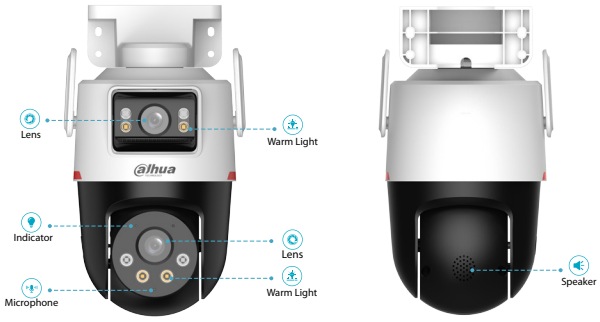
Easy sharing
Safer device sharing with family and friends

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	Channel 1 (PT Lens): 1/2.9" CMOS Channel 2 (Fixed Lens): 1/2.9" CMOS
Max. Resolution	Channel 1-2: 2304 (H) × 1296 (V)
Illumination Distance	Up to 30 m (98.43 ft) (Warm light)
Illuminator Number	4 (Warm light)
Angle Adjustment	Pan: 0° to 352° Tilt: 0° to 90°
Lens Type	Fixed-focal
Focal Length	Channel 1 (PT Lens): 6 mm Channel 2 (Fixed Lens): 2.8 mm
Max. Aperture	F1.0
Field of View	Channel 1 (PT Lens): H: 52°; V: 29°; D: 60° Channel 2 (Fixed Lens): H: 89°; V: 48°; D: 105°

Intelligence

Human Detection	Yes
Vehicle Detection	Yes

Audio and Video

Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by sub stream)
Video Frame Rate	Main stream: 2304 × 1296@(1–20 fps) sub stream: 640 × 360@(1–25/30 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: 512 kbps–4096 kbps
Day/Night	Color/B/W
WDR	120 dB
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 EIRP≤20dBm@2400-2483.5MHz
Wi-Fi Pairing	Bluetooth pairing
Storage	Micro SD card (support max. 256 GB)
Management Software	Smart PSS Lite; DSS; DMSS
Mobile Client	Android;iOS

Function

Abnormal Sound Alarm	Yes

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%); PoE (802.3af)
Power Consumption	Basic: 2.3 W (12 VDC); 3.1 W (PoE); Max.: 9.8 W (12 VDC); 11.1W (PoE) (intelligence on + WDR + illuminator on + PT rotation + speaker on)
Operating Temperature	–30 °C to +50 °C (–22 °F to +122 °F)
Operating Humidity	≤95%
Protection	IP66
Camera Button	Reset button
Casing Material	Plastic
Product Dimensions	159.4 mm × 119.1 mm × 210 mm (6.28" × 4.69" × 8.27") (L × W × H)
Net Weight	585 g (1.29 lb)

What's in the box

× 1

Tools:
- Installation Position Map × 1
- Screw Package × 1
- Waterproof Connector × 1

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

Power:
- Power Adapter × 1



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