



# 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

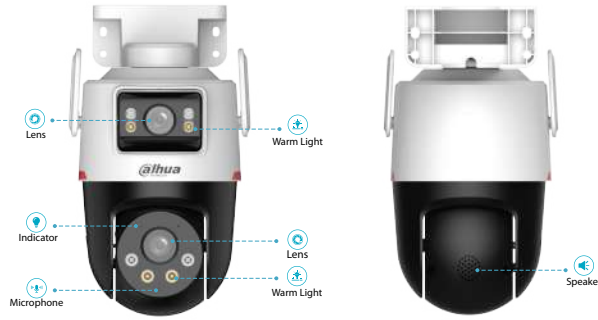
Accurate and timely



#### High Security

Stay secure with all data encrypted





# 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 40 m (131.23 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 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; 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	<b>Tools:</b>  Installation Position Map × 1  Screw Package × 1  Waterproof Connector × 1	<b>Documents:</b>  QR Code × 1  Quick Start Guide × 1  Legal and regulation information × 1	<b>Power:</b>  Power Adapter × 1
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