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

DH-P3D

Series Overview

The Picoo Dual Series, which is under the Dahua Wireless series, consists of cameras equipped with both fixed lens and PT lens. This unique combination allows for simultaneous live monitoring of two areas, providing coverage from multiple angles. Leveraging its dual lenses, the camera performs smart detection using advanced functions like AI human and vehicle detection, effectively minimizing false alarms. Additionally, with the assistance of the PT lens, the camera has the capability to automatically track moving targets. The camera also triggers sound and light alarms upon detecting an intrusion, promptly sending notifications to the mobile client to ensure you remain up to date regardless of your location. These cameras are widely utilized in small-scale scenes such as shops and restaurants.

Dual 2K
Clear images with sharp details

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

Linkage Tracking (2.8mm+6mm only)
SCoordinated 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

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

IP66 Protection
Withstands harsh environments

Auto Tracking
Automatic tracking of targets

Sound and Light Alarm
Provides instant alarms to deter intruders

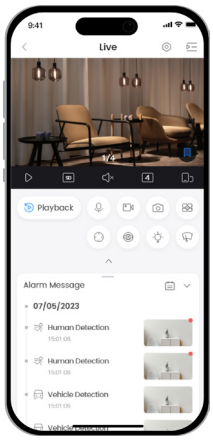
Smart Dual Light
Captures color details for post-event review

Micro SD Card
Low-cost storage

Bluetooth Pairing
Fast pairing with Bluetooth

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

H.265
Advanced H.265 Compression Technology



Upgrade Your Experience with DMSS

Dahua Mobile Security Surveillance (DMSS) is a professional remote surveillance management platform that offers remote monitoring, device migration, and sharing. When connected to the internet, the platform provides real-time alerts to improve surveillance efficiency and grant flexibility in security management.

Available on the App Store

GET IT ON Google play

Specifications

Camera（2.8 mm+6 mm）

Fixed Lens

Image Sensor	1/3.2" 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	-10° to 15°
Lens Type	Fixed-focal
Focal Length	2.8 mm
Max. Aperture	F1.6
Field of View	H: 95°; V: 53°; D: 110°

PT Lens

Image Sensor	1/2.8" 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 (IR LED); 2 (Warm light)
Angle Adjustment	Pan: 0° to 352°; Tilt: 0° to 90°
Lens Type	Fixed-focal
Focal Length	6 mm
Max. Aperture	F1.6
Field of View	H: 53°; V: 29°; D: 62°

Camera (2.8mm+2.8mm)

Fixed Lens

Image Sensor	1/3.2" 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 (IR LED); 2 (Warm light)
Angle Adjustment	-10° to 15°
Lens Type	Fixed-focal
Focal Length	2.8mm
Max. Aperture	F1.6
Field of View	H:89° V:49° D:103°

PT Lens

Image Sensor	1/3.2" 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 (IR LED); 2 (Warm light)
Angle Adjustment	Pan: 0° to 352°; Tilt: 0° to 90°
Lens Type	Fixed-focal
Focal Length	2.8mm
Max. Aperture	F1.6
Field of View	H:89° V:49° D:103°

Intelligence

Human Detection	Yes
Vehicle Detection	Yes

Audio and Video

Video Compression	H.265
Video Frame Rate	Main stream: 2304 × 1296@15 fps sub stream: 640 × 360@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: 512 kbps–4096 kbps
Day/Night	Auto(ICR)/Color/B/W
WDR	DWDR
Motion Detection	Yes
Image Rotation	0°/180°
Built-in MIC	Yes, built-in Mic
Built-in Speaker	Yes, built-in speaker
Audio Compression	G.711a

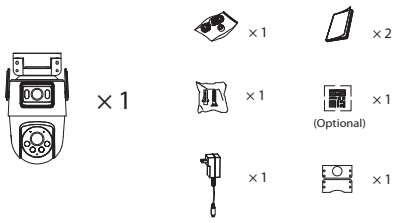
Network

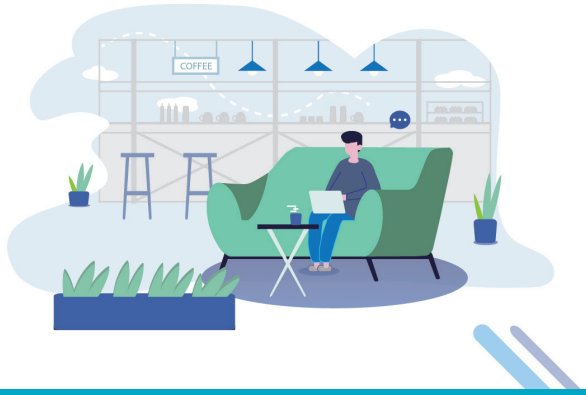
Network Port	RJ-45 (10/100 Base-T)
Wi-Fi	IEEE 802.11b/g/n/ax 2.4000~2.4835 GHz, 2.4G,≤20dBm
Wi-Fi Pairing	Bluetooth pairing
Storage	Micro SD card (support max. 256 GB)
Management Software	DMSS
Mobile Client	iOS;Android

General

Certifications	CE
Power Supply	12 VDC
Power Consumption	Basic: 2.3 W Max.: 10 W (pulling stream+ IR + siren and light active deterrence)
Operating Temperature	–30 °C to +50 °C (–22 °F to +122 °F)
Operating Humidity	≤95% (RH), non-condensing
Protection	IP66
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





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