



3MP Outdoor Fixed-focal 4G Pan & Tilt Network Camera

DH-P3AE-PV-4G



Series Overview

The Active Defense Series Small PT Camera delivers advanced performance and functionality. Upon detecting an intrusion, it promptly activates sound and light alarms, while simultaneously transmitting critical information to your mobile device for instant alerts. The camera also features two-way talk, enabling real-time communication with individuals on the site. Additionally, its Smart Dual Illuminator enhances visibility, allowing the camera to capture clear, full-color videos and images whether day or night, thereby providing reliable evidence of events while minimizing light pollution. Thanks to its 4G network capability, the camera also delivers continuous surveillance, even in areas with limited Wi-Fi access, making it an ideal choice for remote outdoor locations such as farms, ranches and orchards.



3MP

Clear images with sharp details



4G Connection

Expands your connectivity with 4G



One Camera for 360° View

360° monitoring without blind spots



AI Human Detection

Focuses on what matters and reduces false alarms



AI Vehicle Detection

Focuses on what matters and reduces false alarms



Smart Dual Light

Captures color details for post-event review



Sound and Light Alarm

Provides instant alarms to deter intruders



Two-way Talk

Communication anytime, anywhere



Auto Tracking

Automatic tracking of targets



IP66 Protection

Withstands harsh environments



H.265

Advanced H.265 compression technology



Supports Micro SD Card

Low-cost storage



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.





Specifications

Camera

Image Sensor	1/2.8" CMOS
Max. Resolution	2304 (H) × 1296 (V)
Illumination Distance	30 m (98.43 ft) (warm light); 30 m (98.43 ft) (IR)
Electronic Shutter Speed	1/25 s–1/100,000 s
Illuminator Number	2 (IR light); 2 (warm light)

Lens

Focal Length	4.0 mm
Max. Aperture	F1.6
Field of View	H: 73.85°; V: 43.43°; D: 86.56°
Iris Control	Fixed

PTZ

Pan/Tilt Range	Pan: 0° to 345° Tilt: 0° to +90°
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Smart Event

IVS	Tripwire and intrusion
Human Detection	Human detection; Auto-tracking
Vehicle Detection	Yes

Intelligence

SMD	SMD 3.0
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Video

Video Compression	Smart H.265+; H.265; Smart H.264+; H.264B; H.264M; H.264H; MJPEG (Sub Stream 1)
Video Frame Rate	Main stream: 3M/720p/640 × 360@ (1–25/30 fps) Sub stream 1: D1/VGA/CIF@ (1–25/30 fps)
Video Bit Rate	H264: 64–8,192 kbps H265: 25–6,400 kbps
Day/Night	Auto (ICR); Color/B/W

WDR	DWDR
Motion Detection	Yes
Image Rotation	180°

Audio

Audio Compression	PCM; G.711a; G.711Mu; G.726
Built-in MIC	Yes
Built-in Speaker	Yes

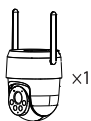
Network

Network Port	RJ-45 (10/100 Base-T)
Wireless Carrier Frequency Band	EU LTE-FDD: B1/B3/B5/B7/B8/B20/B28 LA LTE-FDD: B2/B3/B4/B5/B7/B8/B28/B66
Max. Transmission Power	4G: Power class3:23 dBm ± 2 dB
Storage	Micro SD card (support max. 256 GB);
Management Software	DMSS
Mobile Client	iOS; Android

General

Certifications	CE
Power Supply	12 VDC, 1 A ± 10%
Power Consumption	Basic: 3W Max: 9 W (illuminator + PTZ)
Power Adapter	Included
Operating Temperature	–30 °C to +55 °C (–22 °F to +131 °F)
Operating Humidity	≤95%
Protection	TVS 2000 V lightning proof; surge protection; voltage transient protection; Waterproof and Dustproof
Camera Button	Reset button
Casing Material	Plastic
Product Dimensions	140.5 mm × Φ111.0 mm (5.53" × Φ4.37")
Net Weight	0.5 kg (1.10 lb)

What's in the box



x1

Tools:

- Installation Position Map × 1
- Screw Package × 1
- Mounting Plate × 1
- Waterproof Connector × 1

Documents:

- QR Code × 1
- Quick Start Guide × 1
- Legal and regulation information × 1
- Certification × 1
- Wireless Frequency Band Paper × 1 (-EUR model only)
- Warranty Card × 1 (-EUR model only)

Power:

- Power Adapter × 1

