



# PD4 Series

## Dual-Spectrum Speed Dome Camera

PD4T dual-spectrum speed dome camera equipped a 640×512 resolution, 12 μm pixel pitch thermal detector with motorized lens, and a high-performance 4MP visible light camera. It supports tripwire/intrusion detection with AI human/vehicle classification algorithm. The target can be tracked with the help of PT system. It can be used for perimeter protection in critical facilities.



### 12μm Uncooled Infrared Detector

Adopting the latest 12μm uncooled infrared detectors, integrated with advanced infrared imaging algorithms for better image quality.

### Accurate Temperature Measurement

Measurement range from -20°C to 550°C, accuracy ±2°C or 2%.

### AI Target Recognition

Smart video content analysis, human/vehicle recognition on thermal channel for crossline/intrusion detection.

### Dual-Spectrum Imaging

All-weather, 24/7 security monitoring with dual thermal&visible light imaging.

### Long-Range Observation

Supports a 50mm motorized lens for detecting fire points up to 3km away and individuals up to 1km away.

### Platform Integration

Support ONVIF, provide SDK&demo for development; provide NVR and VMS software for application.

## Specifications

Technical Specifications	PD464T			
	<b>Thermal Module</b>			
Detector Type	VOx, uncooled FPA detector			
Spectral Range	8~14μm			
NETD	≤40mK(@25°C,F#1.0,25Hz)			
Resolution	640×512			
Pixel Pitch	12μm			
Focal Length	9.1mm	13mm	25mm	50mm
	<b>Optical Module</b>			
Sensor	4MP 1/1.8" Progressive Scan CMOS			
Resolution	2560×1440			
Focal Length	6.5~240mm			
IR Distance	200m			
	<b>PTZ</b>			
Pan	360° continuous, 0.1°~200°/s			
Tilt	-27°~+90°, 0.1°~120°/s			
Preset	1024			
Scan Mode	Preset/Pattern Scan/Patrol Scan/ Linear Scan/Panorama Scan			
	<b>Temperature Measurement</b>			
Measurement Range	-20°C~+550°C			
Measurement Accuracy	±2°C or ±2%			
Measurement Rules	Support 4 temperature measurement rules(fullframe, point, line, area)			
	<b>Smart Function</b>			
Fire Detection	Support			
VCA	Support Line Crossing&Intrusion detection with AI human/Vehicle recognition			
Linkage Action	Video/ Snapshot/Email/Alarm output			
	<b>System Interface</b>			
Power	DC 24V±15%			
Network	1×RJ45 10M/100M self-adaptive interface			
Audio Interface	1×input, 1×output			
Alarm Interface	7×input, 2×output			
Storage Interface	Micro SD card (up to 256G)			
RS485 Interface	1×RS485			
	<b>General</b>			
Work Environment	-40°C~+70°C; <95%RH			
Protection	IP66			
Certification	CE,ROHS,CE-EMC Test Report, FIPS 140-3 Level 3			
Power Consumption	Max.48W			
Dimensions (mm)	Φ250×413			
Weight	8kg			

## Application Scenarios



Forest Fire Prevention



Perimeter Protection



River Monitoring



Electric Temperature Measurement

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■ This manual is illustrative only. Technical specifications are subject to change without prior notice.