

PD4 Series

Dual-Spectrum Speed Dome Camera

PD4T dual-spectrum speed dome camera equipped a 640×512 resolution, $12 \mu\text{m}$ 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.



12 μm Uncooled Infrared Detector

Adopting the latest $12\mu\text{m}$ 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 $\pm 2^\circ\text{C}$ 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			
Detector Type		Thermal Module			
Spectral Range		VOx, uncooled FPA detector			
NETD		8~14μm			
Resolution		≤40mK(@25°C,F#1.0,25Hz)			
Pixel Pitch		640×512			
Focal Length		9.1mm	13mm	25mm	50mm
Optical Module					
Sensor		4MP 1/1.8" Progressive Scan CMOS			
Resolution		2560×1440			
Focal Length		6.5~240mm			
IR Distance		200m			
PTZ					
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			
Temperature Measurement					
Measurement Range		-20°C~+550°C			
Measurement Accuracy		±2°C or ±2%			
Measurement Rules		Support 4 temperature measurement rules(fullframe, point, line, area)			
Smart Function					
Fire Detection		Support			
VCA		Support Line Crossing&Intrusion detection with AI human/Vehicle recognition			
Linkage Action		Video/ Snapshot/Email/Alarm output			
System Interface					
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			
General					
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.