



# PC4

## Dual-Spectrum PTZ Camera

The PC4 series is a medium-to-long-range observation and monitoring product that integrates infrared thermal imaging, an HD visible light camera, and an intelligent PTZ into one. The product, equipped with a self-developed AI recognition algorithm, can perform target recognition and tracking. It supports intelligent functions such as fire point detection, tripwire intrusion, and regional intrusion detection, enhancing target recognition accuracy during nighttime and adverse weather conditions. It is suitable for scenarios requiring medium-range and long-distance monitoring such as forest fire monitoring, medium-range perimeter security and perimeter monitoring.



### 12μm Uncooled Infrared Detector

Equipped with the latest generation 12μm uncooled infrared detector, it is integrated with advanced infrared image algorithms, providing longer and clearer imaging

### Multiple Lenses

Satisfy long-range detection needs with high-magnification visible light continuous zoom lens, electric focusing and continuous zoom infrared lens

### Intelligent Video Analysis

Support intelligent analysis of behaviors such as dual-spectrum tripwire intrusion and regional intrusion, support AI recognition and tracking of multiple targets such as passengers/vehicles, greatly improving the recognition distance

### Dual-Spectrum Imaging

Satisfy the all-weather 24-hour security monitoring requirements with its visible light and thermal imaging dual-spectrum imaging; a maximum thermal imaging resolution of 1.3 megapixels (1280×1024) and a maximum visible light resolution of 4 megapixels (2688×1520)

### Intelligent Fire Detection Algorithm

Satisfy the need for Forest fire monitoring and perimeter security with intelligent smoke and fire detection and intelligent infrared video analysis

### Platform Integration

Support standard ONVIF interface protocol, and provide SDKs and supporting NVR software

Technical Specifications	PC464A1				PC4S4A1
	<b>Thermal Module</b>				
Detector Type	Uncooled VOx infrared detector				
Spectral Band	8~14μm				
NETD	≤40mK @25°C, F#1.0				
Pixel Pitch	12μm				
Thermal Imaging Resolution	640×512				1280×1024
Focal Length	50mm	75mm	100mm	25~75mm	25~75mm
	<b>Optical Module</b>				
Detector	1/1.8-inch 4 megapixel CMOS				
Visible Light Resolution	2688×1520				
Focal Length	6~360mm 60X				
	<b>PTZ</b>				
Horizontal Range	360° continuous rotating				
Vertical Range	-90°~+40°				
PTZ Function	Preset point/Patrol inspection group/Pattern/Area scanning/Linear scanning/Comprehensive patrol				
	<b>Smart Function</b>				
Smoke and Fire Detection (Visible Light)	Support				
Fire Point Detection (Thermal Imaging)	Support				
Radar Linkage	Support				
Coaxial Linkage Amplification	Support				
Intelligent Video Taking	Video taking triggered upon alarms or network failures (continue to transmit after recovery)				
Intelligent Alarm	Support abnormality detection and linkage alarm for network anomaly, IP address conflict, memory error, illegal access, and burn alarm				
Intelligent Detection	Support intelligent analysis of videos like tripwire and regional intrusion detection, and support passenger and vehicle recognition				
	<b>System Interface</b>				
Communication Interface	One RJ45 10M/100M adaptive Ethernet port, 1-channel RS485				
Audio Interface	1-channel audio input, 1-channel audio output				
Alarm Interface	7-channel alarm input, 2-channel alarm output				
Storage Interface	Support Micro SD card (up to 512G)				
	<b>General</b>				
Operating Temperature and Humidity	-40°C~+70°C; <90%RH				
Power Input	DC 24V±15%				
IP Grade	IP66; TVS 6000V, lightning protection, surge protection, and spike protection				
Power Consumption	Max.75W				
Dimensions	250×472×360mm (W×H×L)				
Peripherals	Heater, wiper and fan				
Weight	<20kg				

## Application Scenarios



Forest Fire Monitoring



River Monitoring



Perimeter Monitoring



Perimeter Security

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\*The information is for illustrative purposes only. The pictures and technical specifications are subject to change without notice. Sample No.: G2025-PC4-2P001