



PC6 Series

Dual-Spectrum PTZ Camera

PC6 series is a long-range surveillance solution that integrates HD visible light, cooled/uncooled infrared thermal imaging, large focal-length thermal lens and a high-performance PTZ system, with intelligent functions such as fire point detection, tripwire intrusion, and regional intrusion detection inside. It provides all-weather, 24/7 surveillance for scenarios such as perimeter surveillance, forest fire prevention and critical area protection.



Industry-Leading Infrared Detector

Adopts the latest 12 μ m uncooled infrared detector and advanced infrared image algorithms to ensure clear imaging at greater distances.



Long-Range Detection

Supports continuous zoom infrared lenses ranging from 30~150mm and 25~225mm for the uncooled version, and an extended 30~660mm range for the cooled version, to meet long-range detection needs.



Intelligent Video Analysis

Support tripwire/intrusion detection, as well as intelligent detection of fire point.



Dual-Spectrum Imaging

Supports a maximum thermal imaging resolution of 1.3 megapixels (1280 \times 1024).
Supports a maximum visible light resolution of 4 megapixels (2688 \times 1520).



Intelligent Fire Detection Algorithm

Features an integrated intelligent fire detection algorithm for efficient and accurate monitoring, as well as reduced false alarms.



Platform Integration

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

Specifications

Technical Specifications	PC664A1	PC6S4A1
	Thermal Module	
Detector Type	VOx, uncooled FPA detector	
Spectral Range	8~14μm	
NETD	≤40mK(@25°C,F#1.0,25Hz)	
Resolution	640×512	1280×1024
Pixel Pitch	12μm	
Focal Length	30~150mm/25~225mm	
	Optical Module	
Sensor	1/1.8" 4-megapixel CMOS image sensor	
Resolution	2688×1520	
Focal Length	15-775mm	
	PTZ	
Pan	360° continuous, 0.01°~120°/s	
Tilt	-90°~+90°, 0.01°~60°/s	
Scan Mode	Preset/Pattern Scan/Patrol Scan/ Linear Scan/Panorama Scan	
	Smart Function	
Fire Detection	Support	
VCA	Support Line Crossing&Intrusion detection	
Linkage Action	Video/ Snapshot/Email/Alarm output	
	System Interface	
Power	DC 48V±15%	
Network	1×RJ45 10M/100M self-adaptive interface	
Audio Input	1×input	
Audio Output	1×output	
Alarm Input	7×input	
Alarm Output	2×output	
Storage Interface	Micro SD memory (maximum 256G)	
RS485 Interface	1×RS48	
	General	
Work Environment	-40°C~+70°C; <90%RH	
Protection	IP66 Standard; TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	
Power Protection	Supports overvoltage, undervoltage, and reverse connection protection	
Power Consumption	200W	
Dimensions (mm)	746× 748× 437	
Weight	42kg	

Application Scenarios



Perimeter Surveillance



Forest Fire Prevention



Urban High-Altitude Surveillance



Critical Infrastructure Protection

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