



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 border/coastal 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	PC664C1
	Thermal Module		
Detector Type	VOx, uncooled FPA detector		HgCdTe cooled detector
Spectral Range	8~14μm		3.7~4.8μm
NETD	≤40mK(@25°C,F#1.0,25Hz)		≤25mK
Resolution	640×512	1280×1024	640×512
Pixel Pitch	12μm		15μm
Focal Length	30~150mm/25~225mm		30~660mm
	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



Border and Coastal 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.