



# IRS - PT6 series

## Dual-Spectrum Thermal Network PTZ Camera

IRS-PT6 series dual-spectrum PTZ thermal network camera equipped with the advanced thermal detector and high-resolution visible module. The camera is developed for medium/long distance observation. With the help of thermal image, PT6 is able to capture the object in darkness or in any bad weather condition. PT6 series can be widely used for forest fire prevention, border/coast defense or other long-distance observation applications.



### Industry-leading Infrared Detectors

Equipped with new generation InfiRay® 12μm uncooled Vox detector or mid-wave cooled HgCdTe detector to provide advanced thermal image quality



### Long Distance Observation

30~150mm or 25~225mm zoom lens for Uncooled Vox detector; 30~660mm zoom lens for cooled HgCdTe detector to support long distance observation



### Smart Video Analysis

Supports line crossing, Intrusion on both visible/thermal channel



### Dual-Spectrum Image

Ultra-clear thermal image: 1280×1024  
4MP visible image



### Smart Fire Detection

Supports accurate fire detection with thermal image to avoid misreport



### High Compatibility

Provides NVR and VMS client, compatible with ONVIF, GB28181 protocols, provides SDK for development

## Product Specifications

Technical Specifications	IRS-PT6S4	IRS-PT664	IRS-PT664C
	<b>Thermal</b>		
Detector Type	VOx, uncooled FPA detectors		HgCdTe, cooled detectors
Spectral Range	8~14μm		3.7~4.8μm
NETD	≤40mK(@25°C,F#1.0,25Hz)		≤25mK
Resolution	1280×1024	640×512	640×512
Pixel size	12μm		15μm
Focal length	30~150mm or 25~225mm		30~660mm
	<b>Visible light</b>		
Sensor	1/1.8" 4MP CMOS		
Focal length	6~300mm / 15~775mm / 10.5~920mm		
	<b>PTZ</b>		
Pan range	360°		
Tilt range	-90° ~ +90°		
Scan mode	Preset point/Pattern/Tour/2-point/360°		
	<b>Smart function</b>		
Fire detection	Support fire detection		
VCA	Line Crossing/Intrusion detection		
Alarm action	Record/Snapshot/E-mail/Relay output		
	<b>System interfaces</b>		
Power	DC 48V		
Network	1×RJ45 10M/100M/ self-adaptive interface		
RS485	1×RS485, support Pelco		
Analog	1.0V[p-p] / 75Ω, PAL or NTSC, BNC		
Audio input	1× audio in		
Audio output	1× audio out		
Alarm input	7× alarm input		
Alarm output	2× alarm output		
Edge storage	Support Micro SD (max. 256G)		
	<b>General</b>		
Work temperature	-40°C ~ +70°C; <90%RH		
Protection	IP66, TVS 6000V, Lightning/ Surge protection conforms to GB/T17626.5 4th-Grade		
Power consumption	≤200W		
Dimension (mm)	746×748×437 (W×H×L)		
Weight	42KG		

## Application



## About Iraytek

Iray Technology concentrates on developing infrared thermal imaging technologies and manufacturing relevant products, with completely independent intellectual property rights. IRay is committed to providing global customers with professional and competitive infrared thermal imaging products and solutions. The main products include IRFPA detectors, thermal imaging modules, and terminal thermal cameras and imagers.

With R&D personnel accounts for 48% of all employees, 787 intellectual property projects in terms of IRay have been authorized and accepted: 629 patented technologies authorized and accepted in China (including those for integrated circuit chips, MEMS sensors design and manufacture, Matrix III image algorithms and intelligent precise temperature measurement algorithms, etc.); 18 patented technologies authorized and accepted overseas; 101 software copyrights; and 39 integrated circuit layout designs.

IRay products have been applied in various fields, including epidemic prevention and control, industrial thermography, security and fire control, night vision observation, automatic driving, Internet of Things, AI, and machine vision.



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