![InfiRay logo]

IRS-PT4 series
Dual-Spectrum Thermal Network PTZ Camera

IRS-PT4 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, PT4 is able to capture the object in darkness or in any bad weather condition. PT4 series can be widely used for forest fire prevention, border/coast defense or other long-distance observation applications.

12μm VOx Uncooled Detector

Equipped with new generation InfiRay® 12μm uncooled Vox detector to provide advanced thermal image quality

Long Distance Observation

75mm fixed or 25~75mm optical zoom focal length, support 10km 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-PT464	IRS-PT4S4
	Thermal	
Detector Type	VOx, uncooled FPA detectors	
Spectral Range	8～14μm	
NETD	≤40mK(@25℃,F#1.0,25Hz)	
Resolution	640×512	1280×1024
Pixel size	12μm	
Focal length	25~75mm/75mm/100mm	25～75mm/75mm
	Visible light	
Sensor	1/1.8 CMOS, 4MP 2688×1520	
Focal length	6.5～240mm / 6～300mm	6～300mm
	PTZ	
Pan range	Pan: 360° horizontally	
Tilt range	Tilt: -90° ～ +40° vertically	
Scan mode	Preset point/Pattern/Tour/2-point/360°	
	Smart function	
Fire detection	Support fire detection	
VCA	Line Crossing/Intrusion detection	
Alarm action	Record/Snapshot/E-mail/Relay output	
	System interfaces	
Power	DC 24V	
Network	1×RJ45 10M/100M/ self-adaptive interface	
RS485	1×RS485	
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)	
	General	
Work temperature	-40℃ ～ +70℃；<90%RH	
Protection	IP66, TVS 6000V, Lightning/Surge protection conforms to GB/T17626.5 4th-Grade	
Power consumption	≤75W	
Dimension (mm)	250×472×360	
Weight	14KG	

Application

Coast defense

Intelligent traffic

Airport security

River monitoring

Forest fire prevention

About Iraytek

IRay Technology Co., Ltd. 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 imaging products.

With R&D personnel accounts for 48% of all employees, 662 intellectual property projects in terms of IRay have been authorized and accepted: 522 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.); 16 patented technologies authorized and accepted overseas; 86 software copyrights; and 38 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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