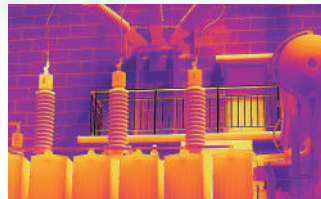




# IRS - PT2 series

## Dual-Spectrum Thermal Network PTZ Camera

IRS-PT2 series dual-spectrum PTZ thermal network camera equipped with the advanced thermal detectors and high-resolution visible module. Based on the AI algorithm, the camera is able to detect line crossing, intrusion and region entrance/exit. Various measurement rules can be set and the hottest/coldest spot can be automatically tracked. PT2 series be widely used for perimeter defense, fire prevention in warehouse or gas station, or industrial temperature measurement.



### 12 $\mu$ m VOx Uncooled Detector

Equipped with new generation InfiRay<sup>®</sup> 12 $\mu$ m uncooled Vox detector to provide advanced thermal image quality

### High Accuracy

-20 $^{\circ}$ C~+550 $^{\circ}$ C measure range,  $\pm$ 2 $^{\circ}$ C accuracy with various measurement rules

### Smart Video Analysis

Supports Line Crossing, Intrusion on both visible/thermal channel, support fire point detection

### Dual-Spectrum Image

Visible light image & thermal image for 24-hours surveillance

### Smart Fire Detection

Supports accurate fire detection with thermal image to avoid misreport

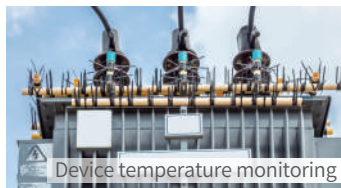
### High Compatibility

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

## Product Specifications

Technical Specifications	IRS-PT264-T
	<b>Thermal</b>
Detector Type	VOx, uncooled FPA detectors
Spectral Range	8~14μm
NETD	≤40mK(@25°C,F#1.0,25Hz)
Resolution	640×512
Pixel size	12μm
Focal length	9.1mm/13mm/19mm/25mm/35mm
	<b>Visible light</b>
Sensor	1/1.8" 4MP CMOS
Focal length	6.4mm~128mm 20x optical zoom
	<b>PTZ</b>
Pan range	Pan: 360° horizontally
Tilt range	Tilt: -90° ~ +90° vertically
Scan mode	Preset point/Pattern/Tour/2-point/360°
	<b>Temperature measurement</b>
Range	-20°C ~ +550°C
Accuracy	±2°C or ±2%
Measurement rules	3 rule types (point, area, line), 36 rules in total (12 points, 12 areas, and 12 line).
	<b>Smart function</b>
Fire detection	Support fire detection
Cold/Hot Spot tracking	Support Cold/Hot Spot tracking
VCA	Line Crossing/Intrusion detection
Alarm action	Record/Snapshot/E-mail/Relay output
	<b>System interfaces</b>
Power	DC 24V
Network	1×RJ45 10M/100M/1000M self-adaptive interface
RS485	1×RS485, support Pelco
Audio input	1×audio in
Audio output	1×audio out
Alarm input	2×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	≤30W
Dimension (mm)	358× 164.5× 203
Weight	4.5KG

## Application



## 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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