

TE464T1

Dual-Spectrum Explosion-Proof PTZ Camera

TE464T1 dual-spectrum explosion-proof PTZ camera equipped with an HD visible light camera and a 640×512 thermal imaging camera. TE464T1 can rotate 360° to view all surroundings. 304 or 316 stainless steel is using for housing to let the camera operate in hazardous area.



12μm Uncooled Infrared Detector

Adopting the latest 12μm uncooled infrared detectors, integrated with advanced infrared imaging algorithms for better image quality.

Dual Explosion-Proof Certification

Certified with dual explosion-proof ratings for dust and gas: Exd IIC T6 Gb/Ex tD A21 IP68 T80°C.

Fire Point Detection

Features an integrated intelligent fire detection algorithm for efficient and accurate monitoring.

Dual-Spectrum Imaging

All-weather, 24/7 security monitoring with dual thermal&visible light imaging.

Accurate Temperature Measurement

Measurement range from -20°C to 550°C, accuracy $\pm 2^\circ\text{C}$ or 2%.

Intelligent Video Analysis

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

Specifications

Technical Specifications		TE464T1
		Thermal Module
Detector Type		VOx, uncooled FPA detector
Spectral Range		8~14μm
NETD		≤40mK(@25°C,F#1.0,25Hz)
Resolution		640×512
Pixel Pitch		12μm
Focal Length		25mm
		Optical Module
Sensor		1/1.8" 4MP CMOS image sensor
Resolution		2688×1520
Focal Length		6.5mm~130mm
		PTZ
Pan		360° continuous rotation
Tilt		-90°~+90°
		Temperature Measurement
Measurement Range		-20°C~+550°C
Measurement Accuracy		±2°C or ±2%
Measurement Rules	Support 4 temperature measurement rules(fullframe, point, line, area)	
		Smart Function
Fire Detection		Support
VCA		Line Crossing&Intrusion detection
Linkage Action		Video/ Snapshot/Email/Alarm output/sound and light alarm
		System Interface
Power		85V~260V AC/24V DC 3A (optional)
Network		1×RJ45 10M/100M self-adaptive interface
Alarm Input		1×input
Alarm Output		1×output
RS485 Interface		1×RS485
		General
Work Environment		-40°C~+60°C; <90%RH
Explosion Proof		Exd IIC T6 Gb/Ex tD A21 IP68 T80°C
Protection		IP68
Shell Material	304/316L stainless steel material, suitable for use in corrosive environments such as chemical and acid-base conditions.	
Power Consumption		≤100W (thermostat activated)
Dimensions (mm)		436×296×406
Weight		27kg

Application Scenarios



New Energy



Metallurgy



Textiles



Food

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*The information is for illustrative purposes only. The pictures and technical specifications are subject to change without notice. Sample No.: S2025-TE464T1-2P001