TI400PTZ

Online Monitoring Thermal Imaging Pan&Tilt

TI400PTZ integrates thermal imaging camera, visible light and 360° continuous rotating pan&tilt. It is suitable for 24h/365d temperature monitoring for machinery, electronic equipment and flammable materials; it can detect potential dangers and automatically alarm timely so as to ensure the safety.

Features

Visible light and infrared light

Multiple presets for long-term precision operation

Full working environment design,

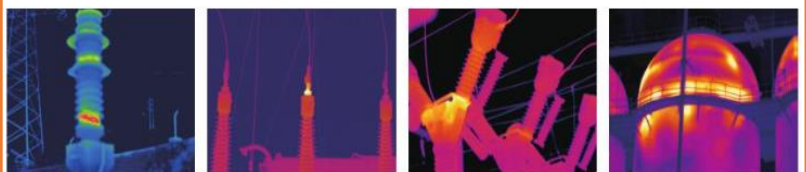Anti-shock, anti-corrosion, dustproof and water proof, IP66

Integrated design, compact and reliable

Applications

Power transformer station/transformer, high voltage switchgear, control room, high voltage electrical connector

Mechanical, chemical, flammable materials, safe production

Equipment, metallurgy

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Technical Specifications

Item	TI400PTZ
Detector Data	
Type	Uncooled FPA
IR resolution	384×288
Pixel pitch	17μm
Spectral range	7.5～14μm
NETD/Sensitivity	65mK
Lens Data	
FOV	24°×18°
Minimum imaging distance	30cm
IFOV	1.133mrad(15mm)
Focus	Auto/Manual
Lens(optional)	6.5mm、15mm、25mm motorized lens
Measurement	
Temperature range	-20℃~+150℃（Scalable to 600℃）
Measurement accuracy	±2℃/±2%(Reading range), take the maximum
Temperature measurement mode	Point temperature measurement, area temperature measurement, highest value
Measurement correction	Auto/Manual
CCD Video Camera	
Resolution	2048*1536
Signal system	PAL/NTSC
Sensor type	1/2.8'' Progressive Scan Cmos
Zoom	30X optics，12X digital
Minimum illumination	0.05Lux@1.6
SNR	>52bB
Electronic image stabilization	ON/Off
Focal distance	F4.3-129mm
Pan & Tilt	
Horizontal range	0°~360°
Horizontal speed	0.05°~80°/s
Vertical range	-20°~90°
Vertical speed	0.05°~60°/s
Presetting amount	255
Repositioning accuracy	±0.05°
Interface	
Video output	Thermal image analog video, network video
Control	RS485
Address range	0~255
Protocol	PELCO-P/PELCO-D auto recognition
Baud rate	2400-4800-9600bps auto recognition
Network	
Type	1000Mbps

Network protocol	IEEE802.3
Connector interface	RJ-45
Communication protocol	IEC60807-5-104、IEC61850
Power System	
Working voltage	DC：+12V
Power consumption	<50W
Environment Parameters	
Operating temperature range	-25℃～+50℃
Storage temperature range	-40℃～+70℃
Encapsulation	IP66
Vibration protection	Horizontal 9G, vertical15G
Wind protection	180km/h
Physical data	
Size	Φ199mm×300mm
Weight	7kg
Packing	
Standard	Thermal Imaging Pan&Tilt, operating instructions, warranty card, packing box, USB flash drive

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