

TI300PTZ | TI600PTZ

Online Monitoring Thermal Imaging Pan&Tilt

TI300PTZ | TI600PTZ integrates thermal imaging camera, CCD camera 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 operation

Full working environment design,

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

Integrated design, compact and reliable



Applications

Robot, power transformer station/transformer, high voltage switchgear, control room, high voltage electrical connector

Mechanical, chemical, flammable materials, safe production

Equipment, metallurgy

ULIRVISION

Technical Specifications

Item	T1300PTZ	TI600PTZ	
Detector Data			
Type	Uncooled FPA		
IR resolution	384×288	640×480	
Pixel pitch	17μm		
Spectral range	7.5~14μm		
NETD/Sensitivity	60mK	40mK	
Infrared Lens			
Lens	Standard 15mm lens 6.2mm optional	Standard 25mm lens 13mm optional	
FOV	Standard lens 24°× 18° Optional lens 55°× 43°	Standard lens 24°× 18° Optional lens 45°× 35°	
Minimum imaging distance	50cm		
IFOV	1.13mrad	2.74mrad	0.68mrad 1.3mrad
Focus	Motor, support auto focus		
Infrared Measurement			
Temp range	-20℃~+250℃ (Scalable to 650℃)		
Measurement accuracy	±2℃/±2%(Reading range), take the maximum		
Temp measurement mode	Spot measure, box measure, highest temp		
Measurement correction	Auto/Manual		
Palette	Black hot, white hot, rainbow, iron red		
Electronic zoom	2X, 4X		
CCD Video Camera			
Lens focal length	F4.3-129.0mm(more focal lengths are optional)		
Resolution	1920×1080, max support 2048x1536		
Signal system	PAL/NTSC		
Sensor type	1/2.8" Progressive Scan CMOS		
Zoom	30X optics, 12X digital		
Minimum illumination	0.05Lux		
SNR	>50dB		
Electronic image stabilization	ON/Off		
Pan & Tilt			
Horizontal range	0°~360°		
Horizontal speed	0.1°~40°/s		
Vertical range	-90°~90°		
Vertical speed	0.1°~30°/s		
Presetting amount	99		
Repositioning accuracy	±0.05°		
Interface			
Video output	Thermal image analog video, network video		
Control	RS485		
Protocol	PECLO-D		

Baud rate	2400-4800-9600bps auto recognition
Network	
Type	100Mbps
Network protocol	IEEE802.3
Connector interface	RJ-45
Communication protocol	IEC60807-5-104、IEC61850
Power System	
Working voltage	DC: 24V
Power consumption	Static 10W; dynamic23W
Environment Parameters	
Operating temperature range	-25℃~+50℃
Storage temperature range	-40℃~+70℃
Encapsulation	IP66
Vibration protection	Horizontal 9G, vertical15G
Physical data	
Size	428mm×255mm×233mm
Weight	10kg
Packing	
Standard	Thermal Imaging Pan&Tilt, user manual, warranty card, packing box