

TI3000|TI6000

Online Monitoring Thermal Imaging System

ULIRVISION TI3000|TI6000 can provide temperature monitoring and security monitoring for electrical equipments, machinery, flammable materials and important facilities on a 24/7 basis, 365 days a year. They can find accident potentials in the first time and give auto alarms to ensure the company's safe production.

Features

Visual light & thermal imaging
dual-channel real-time monitoring

Monitoring in zero illuminance, smog
and spray

System front-end temperature
measurement technology, quick and
accurate temperature measurement

1 optical fiber to complete all controls
and data transmission

Auto cruise, auto alarm and report auto
generating

Applications

Electrical: electrical substation, main
transformer, HV switchgear, control
room, HV electrical connector

Industrial: machinery, chemical
industry, flammable materials, safe
production, important equipment,
metallurgy

Public: port, border, harbor, loading
docks, airport, resident estate



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Technical Specifications

Item	TI3000	TI6000
Detector Data		
Type	Uncooled FPA	
Pixels	384×288	640×480
Pixel pitch	17μm	
Spectral range	7.5~14μm	
NETD	65mK	
Lens Data		
FOV/Minimum imaging distance	24°×18°/40cm	
I FOV	1.3mrad	0.65mrad
Focus	Auto/Manual	
Lens(Optional)	15mm, 25mm, 35mm, 50mm, 75mm motorized or athermal lens	
CCD Camera		
Resolution	1920×1080	
Min. Illumination	Color: 0.01 Lux@(F1.2, AGC ON) B/W: 0.001 Lux@(F1.2, AGC ON)	
Zoom	12x(Digital)、36x(Optical)	
Pan & Tilt		
Horizontal rotation angle	0° ~360° continuous rotation	
Presets	Supporting 255	
Vertical angle	Max: -75 ~+40°	
Measurement		
Temperature range	Standard: -20 ℃~+350 ℃ Optional: -20℃~+1200℃	
Accuracy	±2℃ or ±2% of reading	
Mode	Software settings	
Correction	Auto/Manual	
Image Storage		
Original image capture	Back-end manual capturing single frame, data image captured can be analysed & temperature-measured	
Image storage	H.264 real-time continuous image recording Single image storage, BMP format	
Power System		
External power	AC: 220	
Power consumption	≤75W (@25 ℃ normal operation)	
Environmental Data		
Operation temp range	-40 ℃~+60℃	
Humidity	≤95% (non-condense)	
Encapsulation	IP66	
Software		
Running environment	Windows platform	
Customized content	Cruise route, cruise time, cruise times	
Operation mode	Auto/Manual	
Report mode	Supporting Word/PDF output	
Monitoring type	Remote monitoring (temperature can be overlaid)	
Query & Records	Recording alarms & abnormal thermal images, providing historical inquiry	
Hardware configuration		
CPU	≥P3	
Memory	RAM: ≥512M	
HD Space	≥20G	
Monitor resolution	Monitor resolution: 1440×900, 256colors, installed with CD-ROM	
Internet		
Type	100Mbps	
Internet Low Bandwidth	Supporting low-bandwidth operation mode, covering not more than 0.8M bandwidth when transmitting temperature data & image data simultaneously	
Standard	IEEE802.3	
Connector	RJ-45	
General Protocols Supporting	IEC60870-5-104、IEC61850	
False Alarm Prevention Identification	System's auto elimination for the surrounding thermal sources interference	
Service	Immediate feedback, 24-hr online service	