TI35S|TI65S

Online Monitoring Thermal Imaging Cores

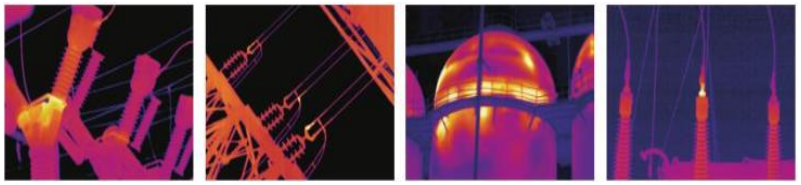
TI35S|TI65S are with advanced thermal imaging technologies and are our innovative thermal imaging products for online monitoring system. They are suitable for long-distance monitoring for machines, electrical equipment and flammable materials; they can detect potential dangers in time so as to ensure the safety in production.

Features

- 384×288|640×480, 17μm uncooled FPA detector
- Multiple motorized lenses, supporting auto focusing
- Auto tracking of hot spots and showing the temperature values
- Thermal images, temperature and temperature data flows are saved
- 1000M network transmission temperature data
- Compact structure with weight of 500g
- Professional software for free

Applications

- Online monitoring system
- Robot application
- Automation security



ULIRVISION

Technical Specifications

Item	TI35S		TI65S	
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			
Image Performance				
Image enhancement	IVE image enhancement algorithm			
Frequency	25Hz			
Digital zoom	2X、4X			
Color palettes	10 palettes(including iron, rainbow, white hot and black hot etc.)			
Measurement				
Temperature range	-20℃～+150℃(Up to+600℃)			
Temperature accuracy	±2℃/±2%(reading)			
Highest temperature tracking	Display the location and value of the highest temperature point			
Measurement correction	Auto			
Emissivity correction	Adjustable from 0.01 to 1.0 or selected from list of materials			
Background temperature correction	Auto			
Atmospheric transmissivity correction	Auto			
Filter or window transmittance	Auto			
Setting function	Date/time, temperature unit ℃/℉/K, language			
Data Storage				
Temperature data	PC standard UTD format, analysis with IRX software			
Temperature data flow	Device-side standard HXR format, can be played back with IRX software, with time stamp, adjustable playback speed, freezing, looping, and image processing during playback			
Image format	JPG format			
Video format	AVI format, H.264 compression			
SD card	32G high speed card			
Storage control	Serial port command, level trigger or key trigger is optional			
Report	Word format, customized format function			
Interfaces				
Internet interface	1000M Ethernet, RJ45, temperature data transmission			
Power interface	Yes			

Video output	SMA	
Alarm I/O	YES	
API	Support SDK(Win&Linux), ONVIF	
Control port	RS232,RS485	
Power System		
DC supply	DC: 12V	
Power consumption	<4.8W	<6W
Environment Parameters		
Operation temperature range	-20℃～+50℃	
Storage temperature range	-40℃～+70℃	
Humidity	≤95%(Non-condense)	
EMC	CE/FCC	
Vibration	5Hz~200Hz~5Hz 2.5G swept sine	
Shock	30G 11ms	
Physical Data		
Size(L×W×H)	126mm×65mm×67mm	136mm×65mm×67mm
Weight	≤490g	≤500g
Installation interface	UNC 1/4”-20 standard interface, M3 threaded joint	
Packing		
Standard	Thermal imaging camera, integrated cable, USB flash drive, warranty card, certificate, calibration book, transport case	