

Thermal Imaging Camera

Industry temperature measurement

TermalTronix TT-ETI Series

160×120 Uncool FPA detector Low cost, CCD Came, rarotatable LCD 50Hz realtime measurement, portable



ThermalTonix TT-ETI Series











Rotatable LCD







Manual focus





Shortcut key





SDcard

Low power consumption, 3 hours continuous operation

Audio output Video output

Power connector





Line measurement



Optional Lenses

Portable Thermal Imaging Camera

TT-ETI series is not only an affordable IR camera, it also combine the traits of economical and practical. With its 2.8" LCD rotatable screen and JPEG storage, the camera symbolizes easy-to-use, standard and professional, developing for those applications that need instant infrared troubleshooting in power plant, petrochemicals, scientific research, fire fighting, and building inspection, metallurgy, etc.







Parameter

	Item	TT-ETI	TT-ETI-P
Detector	Detector type	Uncooled FPA microbolometer	
characteristics	Array size/format	160×120	
	Field of view/min focus distance	12°×9°/0.3m	
Image characteristics	Spatial resolution (IFOV)	1.3mrad	
	Thermal sensitivity	≤0.1℃@30℃	
	Framerate	60Hz	50/60Hz
	Focus	Manual	
	Electronic zoom	N/A	2X
	Spectral range	8-14µm	
	Built-in visual camera	300,000 pixels, CCD full screen thermal image display	
Image display		High-resolution color 2.8"LCD	
image display	LCD	20℃-+250℃	
Measurement	Temperature ranges	-20℃-+350℃	extendable to +600°C
	Accuracy	± 2 °C or ± 2% of reading, Whichever is greater	
	Measurement correction	Automatic/manual	
	Measurement mode	Movable spot. Movable area (maximum, minimum and average temperatures). Isotherm. Alarm (voice, color)	Up to 4 movable spots. Up to 3 movable areas (maximum, minimum and average temperatures). Line profile. Isotherm. Temperature difference. Alarm(voice, color)
	Color palette	3	11
	Image adjustment	Auto/manual gain and brightness	
	Setup functions	Date/time, temperature unit, language	
	Emissivity correction	Variable from 0.01 to 1.0	
	Ambient temperature correction	Automatic corrections according to user input	
	Atmospheric transmission correction	N/A	Automatic correction according to user input object distance, relative humidity , ambient temperature
Image storage	Storage card	Built-in flash memory, Up to 1000 images	Built-in flash memory, SD card (1G), Up to 4000 images
	Storage mode	Manual single image saving	Automatic/manual single image saving
	File format-thermal	JPEG, 14 bit thermal image with measurement data	
	File format-visual	JPEG	
	Voice annotation	N/A	Input via built-in microphone Up to 40 seconds of digital voice per image store with image
Laser pointer	Laser pointer	Class 2, 1mw/635nm(red)	
Power supply	Battery type	Li-Ion, rechargeable	
	Battery operating time	3 hours continuous operation	
	Charging system	Intelligent charger	Intelligent charger or power supply adaptor (optional) online charge
	Power saving	YES	
	External power	10-15V DC	
Environment	Operating temperature	-15℃-+50℃	
	Humidity	≤90%non-condensing	
	Encapsulation	IP54	
Physical characteristics	Weight	0.7Kg	
	Dimensions	197mm×178mm×73mm	
Interface	External DC input	Yes	
	Audiooutput	N/A	Yes
	Video output	N/A	PAL/NTSC
	SD card	N/A	Yes
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	USB	measurement data transfer to PC n contained in this document is s	-ment data and voice transfer to PC