

Thermal Imaging Camera

Industry temperature measurement

ThermalTronix TT-807LD-HTI

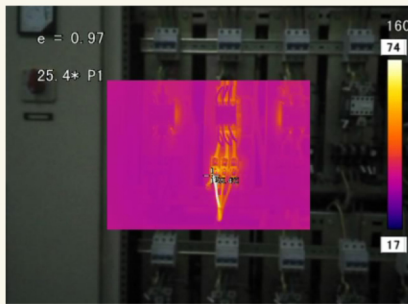
640x480 uncooled FPA detector

High-resolution images

Infrared and visible image fusion



TT-807LD-HTI Thermal Imaging Camera



Infrared and visible image fusion



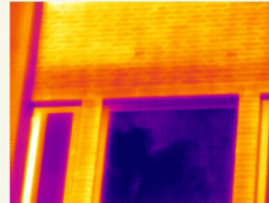
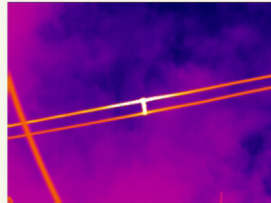
Rotatable Viewfinder&LCD



Auto/Manual lens

TT-807LD-HTI is newly developed uncooled thermal imaging camera, which features high resolution 640x480 pixels, multi rotated big size touch screen, IR & CCD fusion, 5 mega pixel CCD camera, high brightness LED light, record in H.264 or original data, JPEG format picture back up, sounds & light alarm, text and voice noted, network interface, built in laser, Bluetooth, WIFI etc.

This model is suitable for a wide range of application, such as professional industry inspection and testing, power plant, railway, petrochemical, metallurgy, construction, scientific application etc.



Parameter

Item	TT-807LD-HTI			
Detector characteristics	Detector type	Uncooled FPA microbolometer		
	Array size/format	640x480		
Image characteristics	Field of view/min focus distance	24°×18°/0.2m		
	Spatial resolution (IFOV)	0.65mrad		
	Thermal sensitivity	≤0.03°C@30°C		
	Frame rate	50/60Hz		
	Focus	Auto/electronic focus		
	Spectral range	8-14μm		
	E-zoom	1-8X Continuous zoom		
Image display	Built-in visual camera	5Mpixel, CMOS Module, LED light		
	Viewfinder	Built-in high-resolution color LCD		
Image display	LCD	High-resolution color LCD, 640x480		
	Temperature ranges	-40°C - +650°C		
Measurement	Accuracy	±2°C or ±2% of reading, which ever is greater		
	Measurement correction	Auto/manual		
	Measurement mode	Up to 10 movable spots. Up to 5 movable areas (maximum, minimum and average temperatures). Line profile. Isotherm. Temperature difference. Alarm(voice, color)		
	Color palette	11 palettes changeable (Iron, Rainbow, Grey and Grey inverted, etc.)		
	Image adjustment	Auto/manual gain and brightness		
	Setup functions	Date/time, temperature unit, language		
	Emissivity correction	Variable from 0.01 to 1.0 or select from listings in pre-defined material list		
	Ambient temperature correction	Automatic corrections according to user input		
	Atmospheric transmission correction	Automatic correction according to user input object distance, relative humidity, ambient temperature		
	Storage card	8G SD(TF) card, Up to 32G		
	Image storage	Storage mode	Manual / Automatic single-frame image storage, continuous visible, infrared video recording	
		File format-thermal	Single frame	JPEG, 14 bit thermal image with measurement data
			Video	MPEG-4 or 14 bit thermal image with measurement data
File format-visual		Single frame	JPEG or linked with corresponding thermal image(Pic. in Pic.)	
	Video	MPEG-4		
Voice annotation	Input via built-in microphone	Up to 60 seconds of digital voice per image stored with image		
	Text annotation	YES, user define		
Laser pointer	Laser pointer	Class 2, 1mw/635nm(red)		
	Battery type	Li-Ion, rechargeable		
Power supply	Battery operating time	3 hours continuous operation		
	Charging system	Intelligent charger or power supply adaptor(optional) online charge		
	Power saving	YES		
	External power	10-15V DC		
	Operating temperature	-15°C - +50°C		
Environment	Humidity	≤90%non-condensing		
	Encapsulation	IP54		
	Physical characteristics	Weight	1.7Kg	
Dimensions		250mm×180mm×150mm		
Interface	External DC input	Yes		
	Audio output	Yes		
	Video output	Yes, PAL/NTSC		
	Audio/Data output	Bluetooth (Optional)		

▲ The information contained in this document is subject to change without notice

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