

# Thermal Imaging Camera

Industry temperature measurement

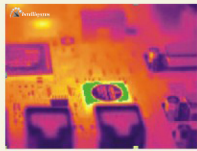
## *ThermalTronix* TT-ET Series

160×120 Uncool FPA detector

Low cost, small size

50Hz realtime measurement





Color Warning

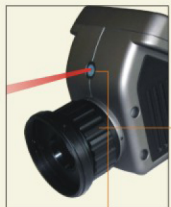


Voice Alarm

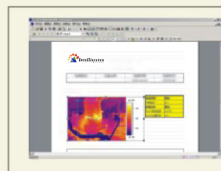
40 seconds of digital voice per image stored with image



Low power consumption, 3 hours continuous operation

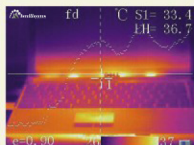


Laser Pointer

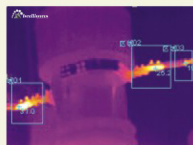


Free analysis software

Manual Lens



Line measurement



Area measurement



Optional Lenses

### Parameter

Item		TT-ET	TT-ET-P	
Detector characteristics	Detector type	Uncooled FPA microbolometer		
	Array size/format	160x120		
Image characteristics	Field of view/min focus distance	18°x13°/0.3m		
	Spatial resolution (IFOV)	1.9mrad		
	Thermal sensitivity	≤0.1°C@30°C		
	Frame rate	60Hz	50/60Hz	
	Focus	Manual		
	Electronic zoom	N/A	2X	
	Spectral range	8-14μm		
Image display	LCD	Built-in high-resolution color 2.5" LCD		
Measurement	Temperature ranges	-20°C - +350°C	-20°C - +350°C, optional up 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 palettes changeable	11 palettes changeable	
	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 memory	Built-in flash memory, Up to 1000 images	Built-in flash memory, Up to 2000 Images
		Storage mode	Manual single image saving	Automatic/manual single image saving
		File format-thermal	JPEG, 14 bit thermal image with measurement data	
Voice annotation		N/A	Input via built-in microphone Up to 40 seconds of digital voice per image stored 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 or power supply adaptor (optional) online charge		
	Power saving	YES		
	External power	N/A	10-15V DC	
Environment	Operating temperature	-15°C - +50°C		
	Humidity	≤90% non-condensing		
	Encapsulation	IP54		
Physical characteristics	Weight	0.6Kg		
	Dimensions	250mmx100mmx72mm		
Interface	External DC input	N/A	Yes	
	Audio output	N/A	Yes	
	Video output	N/A	PAL/NTSC	
	USB	Image, measurement data transfer to PC	Image, measurement Audio data transfer to PC	

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