

***ThermalTronix* TT-ET1W-HTI**

1. Picture



2. Main features

- 160*120 uncooled detector.
- Real-time temperature measurement, rapid detection.
- Temperature measurement accuracy ± 0.3 .
- Automatically capture high temperature.
- IR fusion.
- Intelligent alarm function.
- JPEG storage, MPEG4 video recording, BMP storage.

3. Application scenarios

Inspection and quarantine

Item		<i>ThermalTronix TT-ET1W-HTI</i>
Detector	Detector type	Uncooled FPA
	Array pixel	160x120
Image performance	Field angle/Minimum focal length	25°x19°/0.1m
	Spatial resolution	2.72mrad
	Thermal sensitivity	≤0.06°C@30°C
	Frame rate	50/60Hz
	Focus	Manual focus
	Spectral range	8-14um
	Built-in visible camera	1.3 million resolution, CMOS module
Image display	LCD screen	3.5" TFT color LCD, 640x480 resolution
	Pseudo color	11 pseudo color (optional)
	image adjustment	Auto/manual contrast, brightness
Measurements	Measuring range	20°C ~ 50°C
	Accuracy	±0.6°C
	Calibration	Auto/manual
	Measuring mode	The 4 real-time moving points, 3 moving areas(the highest temperature, the lowest temperature capture, average temperature measurement), the online temperature measurement, isothermal analysis, temperature difference measurement, temperature alarm (voice, color).
	Setting function	Date/time temperature unit °C/°F/K, language
	Radiance correction	0.01 to 1.0 adjustable (increment 0.01), calibrate the radiance rate by the predefined material emissivity table
	Background light correction	Auto
	Atmospheric transmittance correction	Auto according to the input distance, humidity, environmental temperature
Image storage	Memory card	8G Micro SD (TF) card, support the highest 16G
	Saving method	Manual/auto memory, single thermal storage, thermal light and visible light compatible storage

	Thermal image format	JPEG format, with thermal raw measuring date image
	Visible image format	JPEG format
	Speech annotation	60 seconds record, be saved with image (built-in microphone)
Laser indicator	Laser indicator	The second level, 1mW/635nm red
Power supply system	Battery type	The lithium battery, rechargeable
	The working time of battery	The 4 hours continuous working time
	Rechargeable type	The intelligent chargeable charger or random(AC power adapter or 12V car power supply) charge
	Saving method	Auto sleep, auto shutdown
Environmental parameters	Working temperature	0°C ~ +42°C
	Storage temperature	-40°C ~ +70°C
	Humidity	≤95 %
	Protection level	IP54
	Anti-shock	25G, IEC68-2-29
	Anti-vibration	2G, IEC68-2-6
	Drop	2meters
Physical characteristics	Weight	0.98Kg
	Dimension	230mm×105mm×245mm
	handrail	Both sides can be saved
	Tripod	1/4"-20-UNC
Interface	Power supply interface	Yes, DC 12V
	Memory card slot	Micro SD (TF) slot
	Video output	Yes, PAL/NTSC
	Date output	Mini-USB, The image, measuring date, voice can be transmitted to computer