

ThermalTronix

TT-1T80-HTI

TT-1T120-HTI

1. Picture



2. Main features

- 120*120/80*80 uncooled detector.
- Compact and light weight, only 150g.
- DSIE dual-band image enhancement.
- Built-in visual camera.
- 3.2" TFT LCD.
- 1.5m Drop resistance.
- 0.06 High thermal sensitivity.
- Free professional analysis report software.

3. Application scenarios

Power intelligent detection, petroleum and petrochemical, ocean maritime, etc.

4. Specifications

Item		<i>ThermalTronix</i>	
		TT-1T80-HTI	TT-1T120-HTI
Detector	Type	Uncooled FPA	
	Array pixel	80x80	120x120
	Spectral range	8-14um	
	Frame rate	50 Hz	
	Thermal sensitivity	0.06°C @30°C	
Lens	Field angle	23° x23°	33° x33°
	Focus range	0.5m~∞	
	Focus method	Non- focusing	
Image	Spatial resolution	5mrad	
	Visible light lens	Yes	
Image display	LCD screen	3.2" TFT LCD, 240x320	
	Pseudo color	4 pseudo color (optional)	
	Image display	Thermal image and visible image can be switched quickly, Dual spectral image fusion technology	
	Image process	Auto	
Measurements	Measurement range	-20°C ~ +250°C	
	Measurement accuracy	±2°C or ±2%	
	Calibration	Auto	
	Measurement mode	The fixed central point, the full highest/lowest temperature, temperature alarm (voice, color)	
	Radiance correction	0.01 to 1.0 adjustable (increment as0.01)	
	Setting function	Date/time/format, temperature unit°C/°F/K, language	
Image storage	Memory card	Storage, save the maximum 5000images	
	Storage method	Manual storage, single thermal, fusion image	
	Image format	JPEG format, with the raw thermal date	
	Speech annotation	60 seconds (save with image)	
Power supply system	Battery	Special package rechargeable lithium battery, can be replaced	
	Battery working time	3 hours continuous working time	
	Rechargeable method	USB charging	
	Saving method	Auto sleep, auto shutdown	
Interfaces	Power supply interface	Mini-USB	
	Date transmission	Mini-USB	
Environmental parameters	Working temperature	-15°C ~ +50°C	
	Storage temperature	-25°C ~ +60°C	
	Humidity	≤90%	
	Protection level	IP54	
	Anti-shock	25G, IEC68-2-29	
	Anti-vibration	2G, IEC68-2-6	
	Drop	1.5meter	
Safety specifications	Electromagnetic compatibility	The requirement of CE certification	
Physical characteristics	Dimension	240*88*135mm (H*W*D)	
	Weight (with battery)	510g	