

ThermalTronix TT-ET2W-HTI

1. Picture



2. Main features

- 384*288 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-ET2W-HTI</i>
Detector	Detector type	Uncooled FPA
	Array pixel	384x288
Image performance	Field angle/minimum focal length	25°x19°/0.1m
	Spatial resolution	1.36mrad
	Thermal sensitivity	≤0.04°C@30°C
	Frame rate	50/60Hz
	Focus	Manually focus
	Spectral range	8-14um
	Built-in visible light camera	3.2 million resolution, CMOS module, built-in 2 LED
Image display	LCD screen	3.6" TFT color LCD, 640x480 touch screen
	Image display	The thermal image and the visible image can be switched quickly, can be fusion
	Pseudo color	11 pseudo color (optional)
	Image process	Auto/manually adjust contrast, brightness, automatic gain mode
Measurements	Measuring range	+30°C ~ +42°C
	accuracy	±0.3°C
	Calibration	Auto/manual
	Measuring mode	The 5 real-time moving points, 5 moving area (the highest temperature, the lowest temperature capture, average temperature measurement), 2 line temperature measurement, isothermal analysis, the temperature difference measurement, temperature alarm (voice, color).
	Setting function	Date/time, temperature unit °C/°F/K, language, contrast/brightness, LCD background light, IP address
	Radiance correction	0.01 to 1.0 adjustable radiance (increment as 0.01), calibrate the radiance rate by predefined material emissivity table
	Background temperature calibration	Auto
	Atmospheric transmittance calibration	Auto, according to the input distance, humidity, temperature.

Image storage	Storage card	8G Micro SD (TF) card, support the highest capacity 32G
	Saving method	Manual/auto(set time or temperature triggering) storage, single thermal storage, the storage of thermal and visible light, the fusion storage of the thermal and visible light; thermal video, the record of the thermal and visible light, the fusion of thermal and visible light
	Thermal image format	JPEG format, with thermal raw measuring date image; MPEG4 format, with thermal raw measuring date record
	Visible light image format	JPEG format, MPEG4 format, with fusion
	Speech annotation	The 60 seconds voice record, with the image be saved(built-in microphone or Bluetooth headset)
	Text annotation	Yes
Laser indicator	Laser indicator	The second level, 1mW/635nm red
The power supply system	Battery type	The lithium battery, the rechargeable
	The working time of battery	The 4 continuous working time
	Rechargeable type	The intelligent charger or random (AC adapter or 12 car power supply) charge
	Saving mode	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
	headrail	The both sides can be installed
	tripod	1/4"-20-UNC
Interface	Power supply interface	Yes, DC 12V
	Storage card slot	Micro SD (TF) slot
	Network interface	Mini-USB, Set the IP address and the real-time raw image
	Video output	Yes, PAL/NTSC
	Audio/date output	Bluetooth (headset/RS232)

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