

Parameter

Item		T1
Detector	Detector type	Uncooled FPA microbolometer
	Array size	120x120
	Pixel pitch	25um
	Spectral range	8-14um
	Frame rate	50 Hz
	Thermal sensitivity	0.06°C@30°C
Camera lens	FOV/min focus distance	33°x33°
	Focus range	0.5m~∞
	Focus mode	Free focus(fixed focus)
Image performance	Spatial resolution(IFOV)	5mrad
	Visible light camera	300 thousand pixels
	Video image output	Real-time transmission image with USB connection of computer
Image display	LCD	3.2" TFT LCD , 240x320
	Color palette	4 palettes changeable(iron,Rainbow,Black hot,White hot)
	Image display	IR and visible image changed fast,Dual band image enhancement processing
	Image processing	Automatic
	Temperature range	-20°C~ +250°C
Measurement	Accuracy	±2°C or ±2% of reading, whichever is greater
	Measurement correction	Automatic
	Measurement mode	Fixed center,Screen max/min temperature, Temperature alarm(voice,color)
	Emissivity correction	Variable from 0.01 to 1.0
	Setup functions	Date/time/format,temperature unit(°C/°F/k), language,Led backlight
	Storage card	Built-in memory,up to 5,000 images
Image storage	Storage mode	Manual ,Auto single file saving,IR and visual image fusion saving
	File format	JPEG with original thermal measurement data include
	Voice annotation	60 seconds(saving with cared thermal imaging)
Power source	Battery type	Li-Ion,rechargeable
	Battery operating time	3 hours continuous operation
	Battery charging mode	Random charge with USB slot
	Power saving	Auto dormancy and auto-shut down
Interface	Power interface	Mini-USB
	Data transmission	Mini-USB
Environment parameter	Operating temperature	-15°C~ +50°C
	Saving temperature	-25°C~ +60°C
	Humidity	≤ 90% non-condensing
	Encapsulation	IP54
Safety Standard	Tensile impact test	25G, IEC68-2-29
	Resistance to vibration test	2G, IEC68-2-6
	Electromagnetic compatibility	Meet to the standards of CE/FCC
Physical characteristics	Dimension	240×86×135(L×W×H)
	Weight(battery include)	510g

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

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Thermal imaging technical advantages

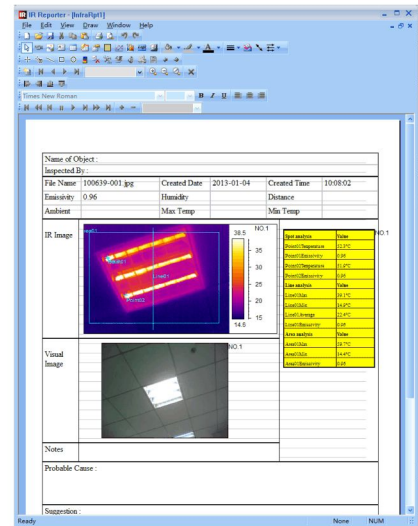
- Imaging with thermal, open a new angle of view;
- Area scanning, fast and exactly discover all the temperature information on this area;
- 120x120 pixels thermal imaging camera equal to 14400 infrared thermometer working together;
- Non-touch temperature measurement makes the operator much safer;
- Inspect the electrical powered target safely;
- Imaging data analysis with computer;
- Saving time, increase efficiency



Thermal imaging camera



Infrared thermometer



Data Analysis

Application



Industrial measurement



Electric power grid



Architectural Science



Communication industry



Human body measurement



Wind energy source



Solar energy



Water conservancy and hydropower



Environmental protection



Electronics industry



Petroleum and petrochemical



Light, Strong, Solid

T1 Thermal Imaging Camera

Multi-band image enhancement/120x120 pixels

NEW



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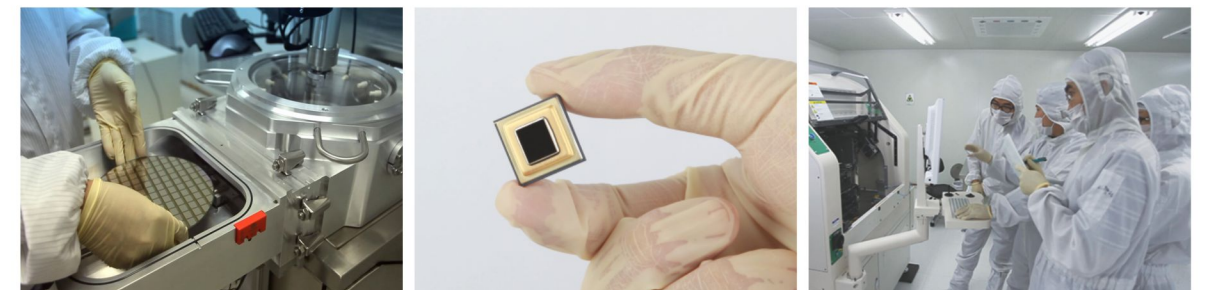


About products

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- Uncooled FPA microbolometer detector by self-innovation
- With completely independent intellectual property rights



Analysis Software-Free of Charge

Imaging can fast be download and lead to infrared analysis software by Dali T1 thermal imaging camera, can finish all reports of imaging and data information in software with WORD format.

