

## Parameter

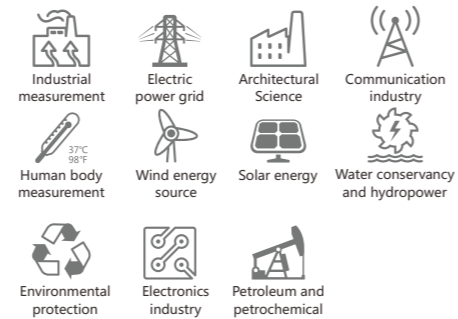
Item	AT1B	
Detector	Detector type	Uncooled FPA microbolometer
	Array size	120x120/80x80
	Pixel pitch	25um
	Spectral range	8-14um
	Frame rate	50 Hz
	Thermal sensitivity	0.06°C@30°C
Camera lens	FOV/min focus distance	33°x33° /23°x23°
	Focus range	0.5m~∞
	Focus mode	Free focus(fixed focus)
	Spatial resolution(IFOV)	5mrad
Image performance	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
Measurement	Temperature range	-20°C~ +250°C
	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), 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
	Tensile impact test	25G, IEC68-2-29
Safety Standard	Electromagnetic compatibility	Meet to the standards of CE/FCC
Physical characteristics	Dimension	240×86×132(L×W×H)
	Weight(battery include)	485g

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

### 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;
- 120x120/80x80 pixels thermal imaging camera equal to 14400/6400 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

### Application



# Light, Strong, Solid

## AT1B Thermal Imaging Camera

Multi-band image enhancement/120x120/80x80 pixels

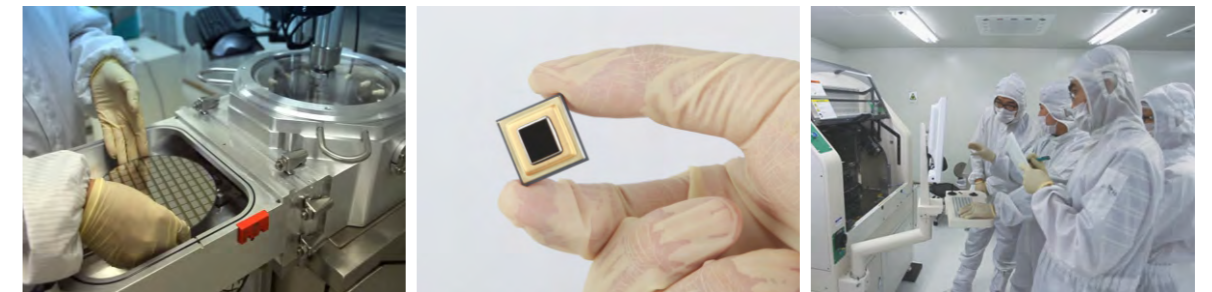




## About products



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



- Analysis Software-Free of Charge

