Description of Infrared Thermal Imaging Camera

Infrared Thermal Imager is a high-precision thermal imaging, which can measure the temp of target object online in real time, output thermal image video and check the over-temp condition. Going with different matching platform software, it can be suitable for different usage modes (such as power device temp measurement, fire alarm, human body temp measurement and screening). This document only introduces the usage modes for human body temp measurement and screening.

Thermal Camera employs USB supply power and transmit data are completed through one USB line, realizing convenient and rapid deployment.

Based on on-site deployment of clients, JThermal Camera can carry out temp compensation varying with environment changes voluntarily without continuous blackbody calibration and control the error within the range of ±0.3°C (±0.54°F).

Specifications

specifications are as follows:

Parameters		Index
Infrared thermal imaging	Resolution	320x240
	Response wave band	8-14um
	Frame rate	9Hz
	NETD	70mK@25°C (77°F)
	Field angle	34.4 in horizontal, 25.8 in vertical
	Lens	6.5mm
	Measurement range	-10°C - 330°C (14°F-626°F)
	Measurement accuracy	For human body, the temp compensation algorithm can reach ±0.3°C (±0.54°F)
	Measurement	Human face recognition, general measurement.
	Color palette	Whitehot, Rainbow, Iron, Tyrian.
General	Interface	Power supply and data transmission through standard Micro USB 2.0
	Language	English
	Operating temp	-20°C (-4°F) ~ +60°C (+140°F) (for the requirement of accurate temp measurement of human body, it is recommended to use at ambient temp of 10°C (50°F) ~ 30°C (+86°C))
	Storage temp	-40°C (-40°F)- +85°C (+185°F)
	Waterproof and dustproof	IP54
	Size	129mm*73mm*61mm (L*W*H)
	Net weight	295g
	Picture storage	JPG, PNG, BMP.
	Installation	¼" Standard tripod or pan-tilt hoisting is adopted, total 4 holes.
Software	Temp display	High temp tracking in measurement area can be set.
	Alarm	Available for alarm over the set high threshold temp, can sound alarm, snapshot alarm photos and store simultaneously.
	Temp compensation	The users can set up temperature compensation according to the environments
	Photograph	Manually under opening, automatically under alarming
	Internet cloud upload	Customized according to cloud requirements

It is proposed to running the system under Microsoft Windows 10 x64, the interface is as follows: