2MTHPH-1612

Portable Thermal Imager

Overview

The dual-view/dual-spectrum infrared body temperature rapid screening instrument is mainly developed based on the principle of infrared thermal radiation. It uses a non-refrigerated core and low signal-noise image processing technology. It is a non-contact, real-time, continuous and accurate Temperature measuring equipment. At the same time, a dedicated software system can be used to visually display the temperature information of the temperature measurement objects. It can be used for entry-exit health quarantine at customs, airports, stations, terminals, land ports, and epidemic prevention in key places such as schools, hospitals, office buildings Control scenes are widely used.

Features

- 2.8” TFT screen
- Infrared resolution: 160×120
- Frame frequency: 9Hz
- Range of temperature measurement: 30˚C～45˚C
- Accuracy: ±0.5˚C
- Photographed function and SD card storage
- PC software analysis
- Point temperature measurement
- Type-C USB interface for lithium battery charging
- 1/4” tripod mounting hole

Specifications

Sensor	Uncooled focal plane
Temperature Range	30°C- 45°C
Resolution	0.1°C
Accuracy	±0.5°C@1M
Minimum Measuring Distance	15cm
Temperature Measurement Response Time	≤500ms (95% of reading)
Thermal Imaging Pixel	19200 (160 x 120)
Pixel Size	12μm
Swatch	Black white, red white, blue white, iron red, rainbow
Bandwidth Of Infraed Spectroscopy	8 - 14μm
Field Of View (Fov)	56°(H) x 42°(V)
Instantaneous Field Of View (IfOv)	6mrad
Thermal Imaging Sensitivity	＜ 50mk
Frame Rate	＜9Hz
Temperature Display	Center temperature measurement and high temperature tracking (default)
Image Format	BMP
Image Modes	Thermal imagery
Temperature Measuring Point	Besides central point, 3 temperature measuring points can be added
Display Resolution	320 x 240
Pc Analysis Software (Pc)	Yes
Data Communication	Type C USB
Auto Power Off	Selectable (5min, 10min, 30min), 30min auto power off (default)
Service Time	≥6 hours
Charging Time	4 hours
Image Storage	Micro SD card
Power	A single Li-ion 3.7V/5000mAh 26650 battery
Display	2.8” TFT LCD
Product Color	Red & grey
Storage Temperature	-20-60°C (-4-140°C)
Operating Temperature	10-40°C (50-104°C)
Working Humidity	＜90%RH (Non-condensing)
Product Size	236mm x 75.5mm x 86mm
Standard Accessories	Manual, Type C USB cable, 16GB TF card

REV02182020

802 Greenview Dr. Suite 100, Grand Prairie, TX 75050, USA
Ph: 972-206-1212 Fax: 972-999-4113
www.2mtechnology.net

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