Handheld Thermal Imager

UTi165H

Overview

UTi165H is an infrared thermal imager combining surface temperature measurement and real-time thermal image. Traditional infrared thermometer needs to measure each accessory, but the thermal imager does not need to. Through the thermal imager, potential problems can be clearly displayed on the screen.

Features

- Intuitive, efficient and convenient, making users directly "see" the temperature variation.
- Thermal condition of different locations for comprehensive analysis, providing more information for judgment
- Avoiding judgment errors, reducing labor costs, and discovering poor heat dissipation and hidden trouble points
- PC software for data analysis and report output
- Real-time alarm, quick detection of abnormal temperatures.
- Type-C USB port for charging and data transmission
- Adjustable emissivity
- Adjustable pole with two different heights.

Specification

Specification	Description
Sensor	Uncooled focal plane array
Temperature range	30°C~45°C
Resolution	0.1°C
Accuracy	±0.5°C (@25°C ambient temperature)
Optimal measuring distance	1m
Temperature measurement response time	≤500ms (95% of reading)
Thermal resolution	19200 (160 x 120)
Pixel dimensions	12µm
Palettes	Black white, red white, blue white, iron red, rainbow
Bandwidth of infrared spectroscopy	8~14µm
Field of view	56°(H) × 42°(V)
Instantaneous field of view	6mrad
Thermal imaging sensitivity	<50mk
Frame rate	<9Hz
Temperature display	Center temperature measurement and high temperature tracking (default)
Image format	BMP
Image mode	Thermal image
Display resolution	320 x 240
Data communication	USB Type-C
Auto power off	Selectable (5min, 10min, 30min), 30min auto power off (default)
Battery life	≥6 hours
Charging time	4 hours
Image storage	MicroSD Card
General	Description
Power	Li-ion 3.7V/5000mAh 26650 battery
Display	2.8" TFT LCD
Product Colour	Red + grey
Dimensions	236mm x 75.5mm x 86mm
Accessories	Manual, USB Type-C cable, 16GB MicroSD card