

UNI-T®

UTi165K THERMAL IMAGERS

- 2.8" TFT screen
- Infrared resolution: 160×120
- Frame frequency: 9Hz
- Range of temperature measurement: 30°C~45°C
- Accuracy: $\pm 0.5^{\circ}\text{C}$ (1m)
- Photographed function and SD card storage
- PC software analysis
- Point temperature measurement
- Real-time image transmission
- Visible light (640×480)
- Type-C USB interface for lithium battery charging
- 1/4" tripod mounting hole



*High-temperature limit exceeding alarm

The customized high temperature limit can be set to 37.3°C. For the temperature $\geq 37.3^{\circ}\text{C}$, indicator light and screen will indicate high temperature alarm, which can effectively and quickly screen individuals with abnormal temperature.



Real-time image transmission

Set the USB mode to USB camera, connect the USB cable to the computer to mirror the upper computer software by real-time image transmission.

Features: Real-time image transmission, mirror the computer on larger screen for monitoring

SPECIFICATION	UTi165K
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)
Pixel of thermal imagery	19200 (160×120)
Pixel dimensions	12μm
Swatches	Iron red, rainbow, glowing white, glowing black, glowing red, lava, high-contrast rainbow
Bandwidth of infrared spectroscopy	8~14μm
Field of view (FOV)	56°(H) × 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
Buttons	10 buttons: POWER button, Camera button, Return button, Navigation buttons, SET button, SET button, Browsing button, LED lighting button
Image modes	Thermal imagery, digital camera (visible light), fusion
Temperature measuring point	Besides central point, 3 temperature measuring points can be added
Visible light	√
Resolution of visible light	640×480
Display resolution	320×240
Mixed setting	0% (total visible light), 25%, 50%, 75%, 100% (total thermal imagery)
PC analysis software (PC)	√
Real-time image transmission	√ (PC software image projection)
Data communication	Type-C USB
Auto power off	Selectable (5min, 10min, 30min), 30min auto power off (default)
Service time	≥6 hours
Charging time	≤5 hours
Charging voltage/current	5V/2A
Image storage	Micro SD card
GENERAL CHARACTERISTICS	
Power	A single Li-ion 3.7V/5000mAh 26650 battery
Display	2.8" TFT LCD
Product color	Red + grey
Product size	236mm x 75.5mm x 86mm
Standard accessories	Manual, Type-C USB cable, 16GB TF card
Standard carton gross weight	2.2kg