

Infrared Thermal Imager UTi165K

- ✓ 2.8" TFT screen
- ✓ Infrared resolution: 160 x 120
- ✓ Frame rate: 9Hz
- ✓ Temperature measurement range : 30°C~45°C
- ✓ Accuracy: $\leq 0.5^{\circ}\text{C}$
- ✓ Photograph function with SD card storage
- ✓ PC Software analysis
- ✓ Real-time image transmission
- ✓ Visual camera (640 x 480)
- ✓ Type-C USB Interface
- ✓ $\frac{1}{4}$ " tripod mounting hole



* High-Temperature Alarm

The Customized high temperature limit can be set to 37.3°C. For the temperature $\geq 37.31^{\circ}\text{C}$, 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 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 (160×120)
Ptixel dimensions	12μm
Palettes	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
Image modes	Thermal camera, visible camera, image blending
Temperature measuring point	Besides central point, 3 temperature measuring points can be added
Visual camera	√
Resolution of visible camera	640×480
Display resolution	320×240
Image blending	0% (total visual camera), 25%, 50%, 75%, 100% (total thermal camera)
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)
Battery life	≥8 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