

UNI-T



- ▶ PC software auto record high temperature data and image
- ▶ Infrared resolution: 200×150
- ▶ Alarm buzzer
- ▶ Region of interest mode (ROI)
- ▶ Temperature range: 30°C~45°C
- ▶ Accuracy: $\pm 0.5^{\circ}\text{C}$
- ▶ Photograph function with SD card storage
- ▶ PC software analysis
- ▶ Real-time image transmission
- ▶ Visual camera (640×480)
- ▶ Type-C USB interface
- ▶ 1/4" tripod mounting hole



THERMAL IMAGER
UTi220K

*High-temperature alarm

The high temperature limit can be set, for example to 37.3°C. Then, temperatures $\geq 37.3^{\circ}\text{C}$ will trigger LED light, high temperature screen warning, and buzzer. If PC software is also connected, software will automatically record data and image when alarm is triggered.



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Real-time image transmission

Open Video mode software, connect USB cable to the computer for real-time image transmission.



SPECIFICATION	UTi220K
Sensor	Uncooled focal plane array
Temperature range	30°C~45°C
Resolution	0.1°C
Accuracy	$\pm 0.5^{\circ}\text{C}$ (@ 25°C ambient temperature)
Optimal measuring distance	1m
Temperature measurement response time	$\leq 500\text{ms}$ (95% of reading)
Thermal resolution	30000 (200×150)
Pixel 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)	35°(H) × 26°(V)
Instantaneous field of view (IFOV)	3.1mrad
Thermal imaging sensitivity	$< 100\text{mk}$
Frame rate	$< 9\text{Hz}$
Temperature display	Center temperature measurement and high temperature tracking (default)
Image format	BMP
Image modes	Thermal camera, visible camera, ROI
Temperature measuring point	Besides central point, 3 temperature measuring points can be added
Visual camera/Buzzer	√
Resolution of visible camera	640×480
Display resolution	320×240
PC analysis software	Auto record high temperature data and image
Real-time image transmission	Through PC software
Data communication	Type-C USB
Auto power off	Selectable (5min, 10min, 30min), 30min auto power off (default)
Battery life	≥ 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