

Handheld Thermal Imager

UNi2165H



Key Features

- 2.8" TFT screen
- Infrared resolution: 160*120
- 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
- Type-C USB interface for lithium battery charging
- 1/4" tripod mounting hole

Specifications

Model		UNi2165H
		Thermal Camera
Sensor type	Uncooled focal plane array	
Temperature range	30°C~45°C	

Resolution	0.1℃	
Accuracy	±0.5℃ (@ 25℃ ambient temperature)	
Minimum measuring distance	15cm	
Optimal measuring distance	1m	
Temperature measurement response time	≤500ms (95% of reading)	
Thermal resolution	19200 (160×120)	
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)	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 mode	Thermal camera, visible camera, image blending	
Temperature measuring point	Besides central point, 3 temperature measuring points can be added	
Display resolution	320×240	
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	Support, PC software image projection	
PC analysis software (PC)	Support	
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 specifications		
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	