

Handheld Thermal Imager

USS-SC160-T-NB-O



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	USS-SC160-T-NB-O
Sensor type	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)
Minimum measuring distance	15cm
Optimal measuring distance	1m
Temperature measurement response time	$\leq 500\text{ms}$ (95% of reading)
Thermal resolution	19200 (160×120)
Pixel dimensions	12 μm
Palettes	Black white, red white, blue white, iron red, rainbow
Bandwidth of infrared spectroscopy	8~14 μm
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 image
Temperature measuring point	Besides central point, 3 temperature measuring points can be added
Display resolution	320×240
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	4 hours
Charging voltage/current	5V/2A
Image storage	Micro SD card
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