

Handheld Thermal Imager

USS-SC160 (E) -T-O



USS-SC160 -T-O



USS-SC160E -T-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-SC160E-T-O	USS-SC160-T-O
Thermal Camera		
Sensor type	Uncooled focal plane array	Uncooled focal plane array
Temperature range	30°C~45°C	30°C~45°C
Resolution	0.1°C	0.1°C
Accuracy	±0.5°C (@ 25°C ambient temperature)	±0.5°C (@ 25°C ambient temperature)
Minimum measuring distance	15cm	15cm
Optimal measuring distance	1m	1m
Temperature measurement response time	≤500ms (95% of reading)	≤500ms (95% of reading)
Thermal resolution	19200 (160×120)	19200 (160×120)
Pixel dimensions	12μm	12μm
Palettes	Iron red, rainbow, glowing white, glowing black, glowing red, lava, high-contrast rainbow	Black white, red white, blue white, iron red, rainbow
Bandwidth of infrared spectroscopy	8~14μm	8~14μm
Field of view (FOV)	56°(H) × 42°(V)	56°(H) × 42°(V)
Instantaneous field of view (IFOV)	6mrad	6mrad
Thermal imaging sensitivity	<50mk	<50mk
Frame rate	<9Hz	<9Hz
Temperature display	Center temperature measurement and high temperature tracking (default)	Center temperature measurement and high temperature tracking (default)
Image format	BMP	BMP
Image mode	Thermal camera, visible camera, image blending	Thermal image
Temperature measuring point	Besides central point, 3 temperature measuring points can be added	Besides central point, 3 temperature measuring points can be added
Display resolution	320×240	320×240
Visual camera		
Resolution of visible camera	640×480	N/A
Display resolution	320×240	N/A
Image blending	0% (total visual camera), 25%, 50%, 75%, 100% (total thermal camera)	N/A
PC analysis software (PC)		
Real-time image transmission	Support, PC software image projection	N/A
PC analysis software (PC)	Support	Support

Data communication	Type-C USB	Type-C USB
Auto power off	Selectable (5min, 10min, 30min), 30min auto power off (default)	Selectable (5min, 10min, 30min), 30min auto power off (default)
Battery life	≥6 hours	≥6 hours
Charging time	5 hours	4 hours
Charging voltage/current	5V/2A	5V/2A
Image storage	Micro SD card	Micro SD card
General specifications		
Power	A single Li-ion 3.7V/5000mAh 26650 battery	A single Li-ion 3.7V/5000mAh 26650 battery
Display	2.8" TFT LCD	2.8" TFT LCD
Product color	Red + grey	Red + grey
Product size	236mm x 75.5mm x 86mm	236mm x 75.5mm x 86mm
Standard accessories	Manual, Type-C USB cable, 16GB TF card	Manual, Type-C USB cable, 16GB TF card
Standard carton gross weight	2.2kg	2.2kg