

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

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