

# E SERIES

3.5-inch super large screen,  
extra long battery life for  
peace of mind

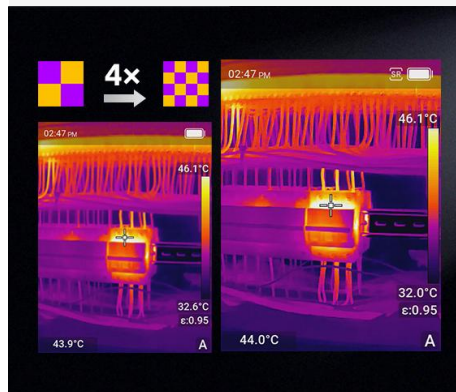
## 3.5-inch large screen

The 3.5-inch screen not only provides a broader field of view and clearer detail presentation, but also offers a more comfortable visual experience and a more intuitive operation feel.



## SuperIR

Based on advanced deep learning technology, low-resolution images are achieved a 4X enhancement in image quality through various optimizations including defogging, sharpening, contrast enhancement, and lossless enlargement.



## 12 hour battery life

With 12-hour battery life, our thermal imager meets long-duration needs and highlights our advanced battery and low-power design.



**Fast charging**  
Charges to 90% in 1 Hour



OTA



Macro



**Measuring range**  
-20~650°C

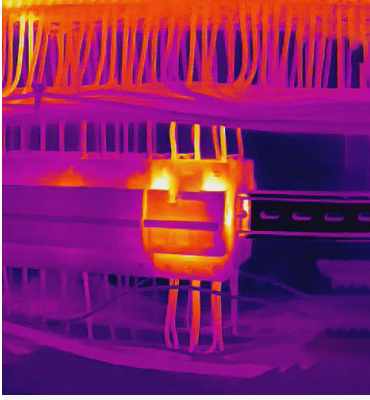


30Hz

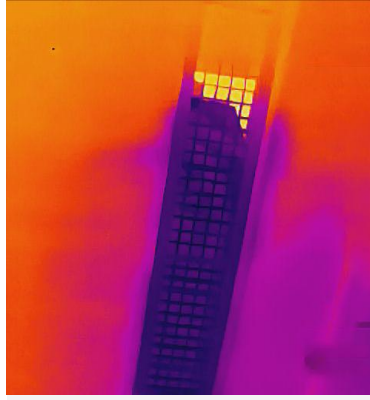


30mK

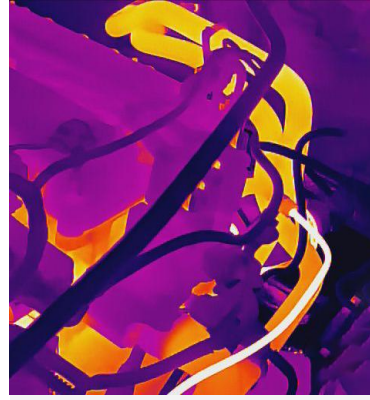
# Applications



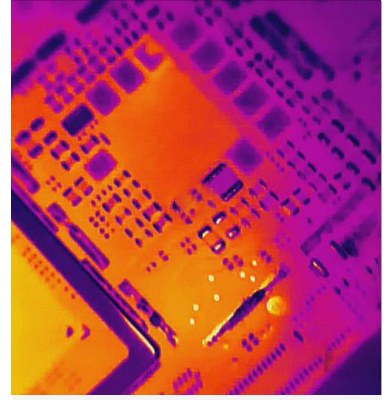
Electrical



Air-conditioning



Auto Repair



PCB

# Standard Package



Device



Pouch



Cradle charger



One plug  
(type varies with order)



USB-A to USB-C  
Cable



Wrist strap



Warranty Card

- Quick Start Guide
- Inspection Report
- Calibration Certificate

# Specifications

Model		E3S
Imaging and Optics	IR Resolution	256*192
	SuperIR	Yes, on captured images and live view
	NETD	<15mK
	Image Frequency	30Hz/9Hz
	Field of View (FOV)	56°*42°
	Focus Mode	Focus Free
Image Display	Visual Camera	1600 × 1200 (2 MP)
	Image Modes	Thermal/Visual/MIF/PIP
	Display	640*480 Resolution, 3.5"LCD Screen
Measurement and Analysis	Object Temperature Range	-20°C to 150°C, 0°C to 550°C,Support auto-switching
	Accuracy	±2°C or 2%, whichever is greater (23°C ± 5°C ambient)
Data Storage and Communication	Storage Media	Built-in 32GB flash memory
	File Format	Radiometric JPEG
General	Durability	2m (6.56 ft) drop test, IP54
	Wi-Fi	802.11 b/g/n (2.4GHz)
	System upgrade	OTA
	USB-Type C	Charging and transmission
	Led Flashlight	Yes
	Laser Pointer	Yes
	Battery Operating Time	≥12 hours
	Battery Type& Charging Time	Fast-charging, Lithium-ion battery, Charges to 90% in 1 hour

# Software



**PC Software – ThermoTools**  
(Windows)



**Mobile App –FocusIR**  
(Android/iOS)