

# E SERIES

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

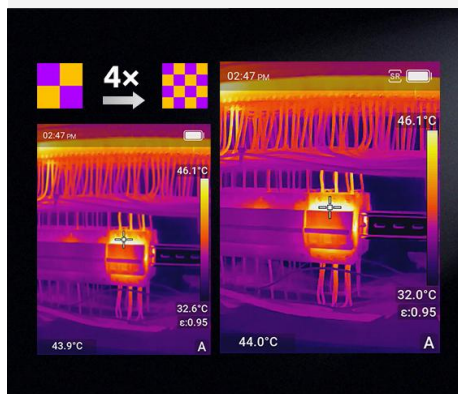
## 3.5-inch large screen

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.



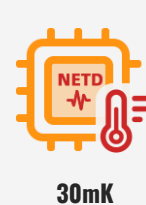
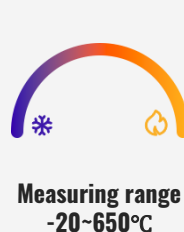
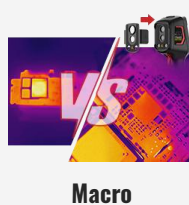
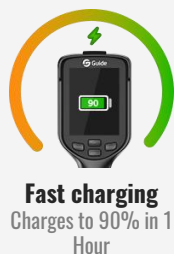
## SuperIR

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.

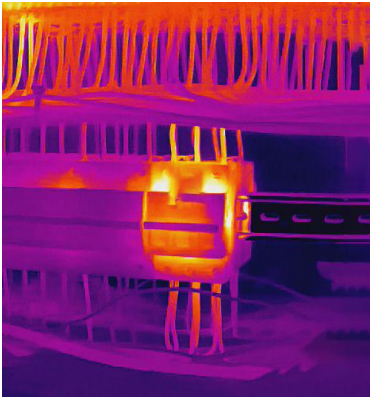


## 12 hour battery life

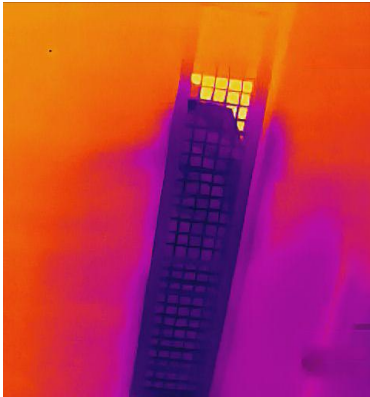
With 12-hour battery life, our thermal imager meets long-duration needs and highlights our advanced battery and low-power design.



# Applications



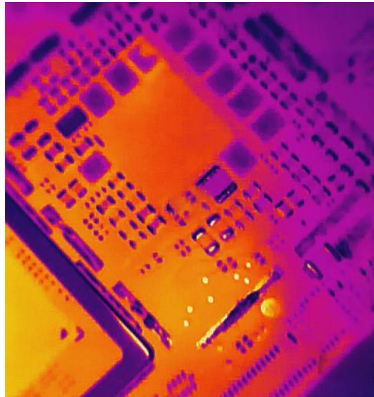
Electrical



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)

\* Product performance is based on testing in a controlled laboratory environment. Your test results may vary due to several external and environmental factors. All specifications are subject to the actual product. The manufacturer reserves the right to modify technical specifications without notice or liability to you.