

E SERIES

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

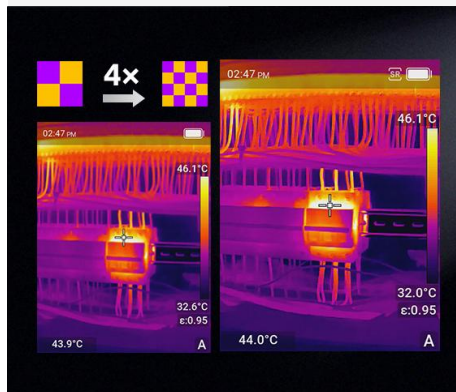
3.5-inch large screen

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



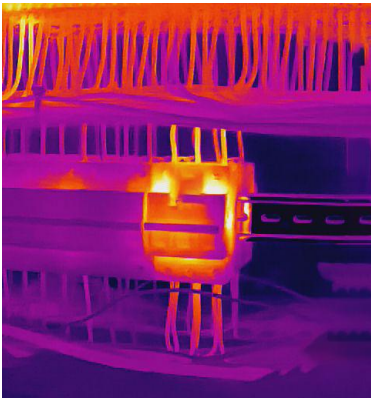
30mK

Specifications

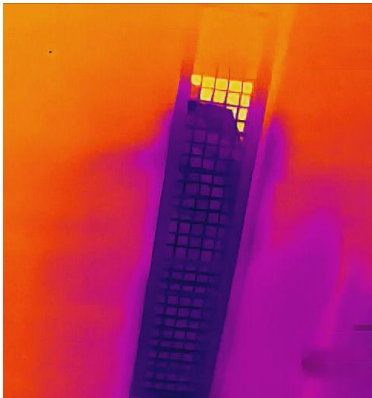
Model		E3
Imaging and Optics	IR Resolution	256*192
	Detector type	VOx, 7.5 to 14μm
	SuperIR	Yes, on captured Images and live view
	NETD	<30mK
	Image Frequency	30Hz/9Hz
	Field of View (FOV)	56°×42°
	Focus Mode	Focus Free
	Min. object distance	0.3m
	Digital zoom	1-8X
Image Display	Visual Camera	1600 × 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	The accuracy of the temperature measurements shall be within ±2 for temperatures between 0°C and 100°C at ambienttemperatures of 15°C to 35°C
	Analyzed target	Center spot; Three Fixed Areas: Small, Medium, Large (Alternative)
Storage and transmission	Storage Media	Built-in (32 GB) and external SD card (32 GB)
	File Format	Radiometric JPEG
	Image storage	JPG with temp info
	Video storage	Supports real-time video streaming, video storage format in Irgd (with temp info)
	External interface	USB-C, Tripod socket
	WIFI	Yes, It can be connected to the mobile terminal for Image and real-time video transmission
Environmental parameters	Working temperature	-15°C to 50°C
	IP rating	IP54
	Standards	The devices comply with the electrical safety requirements stipulated in IEC 61010
	Drop	2m drop test
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
	Illumination light	Provide an illumination light to enhance visibility

Power system	Battery type	Rechargeable lithium-ion battery, removable
	Operating time	12 hours
	Charging mode	USB-C charging; PC/portable charger; Capable of charging while using
	Charging time	100% of full charge in 1 hours
Physical parameters	Weight	< 440g
	Size	228mm×81mm×77.5mm
	Standard	A device, Wrist strap, Power adapter, Adapter plug, USB-A to USB-C cable, Quick Start Guide, Warranty card, Carrying bag , one replaceable battery

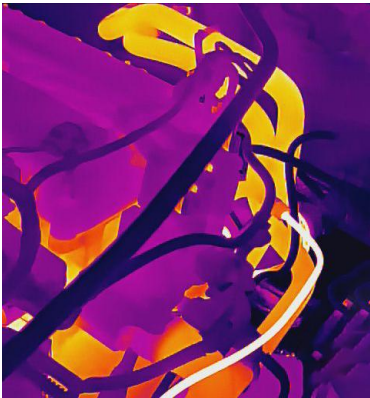
Applications



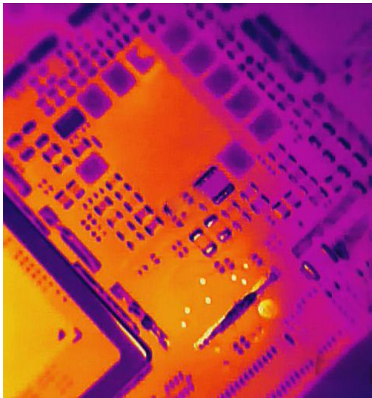
Electrical



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

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.