

**APEX
VISION**

Thermal

Easy, Efficient, Extraordinary

EasIR Series

Tool-like Thermal camera

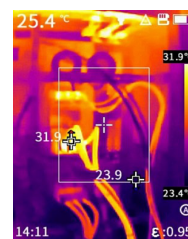
Introduction

EasIR Series tool-like thermal camera provides two configuration options of 120x90 and 256x192 IR detectors. It adopts the new real-time IR-Perfclear technology to enhance the details and reduce noise of the image and present a clearer image in real time. Equipped with a series of professional functions such as 2MP visible light camera, video streaming and recording, WIFI, and OTA upgrade, etc., EasIR Series brings a clearer, more powerful and smoother work experience for users.

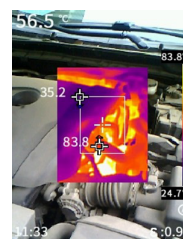
Features

- Next-gen infrared imaging system APEXVISION for ultra-clarity & precision
- High-sensitive infrared detector, resolution 120x90/256x192
- Real-time IR-Perfclear technology, 4 times better image quality
- -20°C~550°C wide temperature measurement range, automatic switch
- Photo and video recording, convenient sharing via mobile APP
- Video streaming, real-time data transmission with PC analysis software
- OTA firmware upgrade to keep the device up-to-date

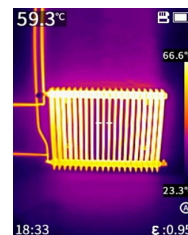
Applications



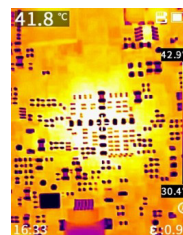
Electrical Application



Facilities maintenance



HVAC Inspection



PCBA detection

Specifications

Product model	E1S	E1+S	E2S
Imaging and optics			
Core Technology Item	Equipped with full ApexVision S1 system architecture: Detector ApexCore S1 + Platform Nexus 1.0 + Algorithm SharpIR 2.0		
Detector type	VOx, 7.5 to 14μm		
Infrared resolution	120×90@12μm		256×192@12μm
Super resolution	Support real-time super-resolution reconstruction, Upgrade to 240×180		Support real-time super-resolution reconstruction, Upgrade to 512×384
NETD	15mK		
Frame rate	25Hz/9Hz		
Focal length	1.6mm		3.2mm
Field of view	50°×38°		56°×42°
IFOV	7.27mrad		3.82mrad
Min. object distance	0.1m		
D:S	138:1		262:1
Focusing mode	Focus-free		
Measurement and analysis			
Measurement range	Support auto-switching: -20°C to 150°C, 0°C to 550°C		
Measurement accuracy	±2°C or ±2%, whichever is greater		
Analyzed target	Center spot; Three Fixed Areas: Small, Medium, Large (Alternative)		
Alarm	Full screen temperature threshold alarm (Image and Flash)		
Image display			
Display screen	2.4" LCD		
Image mode	IR, VIS, MIF, PIP		
Color palettes	6: Iron Red, White Hot, Arctic, Rainbow 2, Hot Iron, Rainbow 1		
Image adjustment	Level span mode: Automatic, Semi-automatic, Manual		
Digital camera	2MP		
Functions			
Laser	Laser Indication		
Recording function	Photo and Video		
Storage and transmission			
Storage media	Built-in (16 GB)		
Image storage	JPG with temp info		
Video storage	Video storage format in Irgd (with temp info)	Supports real-time video streaming, video storage format in Irgd (with temp info)	
External interface	USB-C, Tripod socket		
Wi-Fi	/	Yes, it can be connected to the mobile terminal for image and real-time video transmission	
Power system			
Battery type	Rechargeable lithium-ion battery, non-removable		
Operating time	8 hours		11 hours
Environmental parameters			
Working temperature	-15°C to 50°C		
IP rating	IP54		
Drop	2m drop test		
Physical parameters			
Hardware	Illuminator		Wi-Fi, Illuminator
Weight	355g		375g
Size	194×61.5×76mm		
Software kit	PC: ThermoTools	PC: ThermoTools; Mobile: FocusIR (iOS/Android)	
Standard	A device, Wrist strap, Power adapter, Adapter plug, USB-A to USB-C cable, Quick Start Guide, Warranty card		
Options	Tripod		

* 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.