



**APEX
VISION**

Thermal

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

EasIR Max Series Tool-like Thermal camera

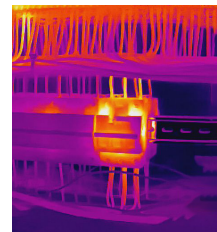
Introduction

EasIR Max Series offers high-resolution detectors (256×192 or 384×288) for precise capture of minute temperature variations. Featuring IR-Perfclear technology, it optimizes image details and reduces noise in real time, delivering exceptionally clear thermal imaging. The device is equipped with a 3.5-inch bright HD display and a 2 MP visible-light camera, supporting both synchronous display or image fusion of thermal and visible-light. Enhanced with smart capabilities including live video streaming, recording, Wi-Fi connectivity, and OTA upgrades, it significantly boosts work efficiency.

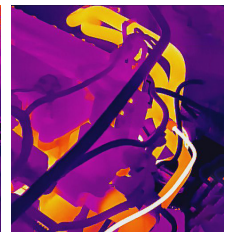
Features

- Next-gen infrared imaging system APEXVISION for ultra-clarity & precision
- High-sensitive infrared detector, resolution 256x192/ 384x288
- 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

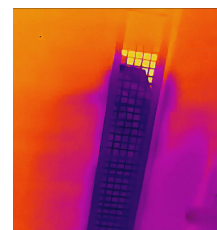
Applications



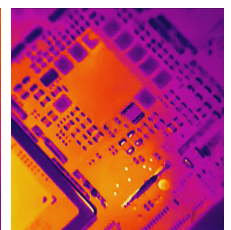
Electrical Application



Facilities maintenance



HVAC Inspection



PCBA detection

Specifications

Product model	E3S	E4S
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	256×192@12μm	384×288@12μm
Super resolution	Support real-time super-resolution reconstruction, Upgrade to 512×384	Support real-time super-resolution reconstruction, Upgrade to 768×576
NETD	15mK	
Frame rate	30Hz/9Hz	
Focal length	3.2mm	7mm
Field of view	56°×42°	38°×28°
IFOV	3.82mrad	1.73mrad
Min. object distance	0.3m	
D:S	262:1	578:1
Focusing mode	Focus-free	
Measurement and analysis		
Measurement range	Support auto-switching: -20°C to 150°C, 0°C to 550°C	Support auto-switching: -20°C to 150°C, 0°C to 650°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	3.5" LCD, 640×480	
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	
Others	OTA update	
Storage and transmission		
Storage media	Built-in (32 GB)	
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	
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	12 hours	10 hours
Environmental parameters		
Working temperature	-15°C to 50°C	
IP rating	IP54	
Drop	2m drop test	
Physical parameters		
Hardware	Wi-Fi, Illuminator	
Weight	440g	460g
Size	227×81×77.5mm	
Software kit	PC: ThermoTools; Mobile: FocusIR (iOS/Android)	
Standard	A device, Wrist strap, Carrying bag, Power adapter, Adapter plug, USB-A to USB-C cable, Quick Start Guide, Warranty card	
Options	Macro lenses (10x/5x), Tripod	