

**APEX
VISION**

Thermal

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

EasIR Max Series Tool-like Thermal camera

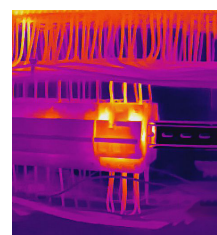
Introduction

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.

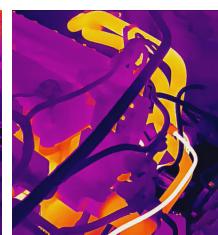
Features

- 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

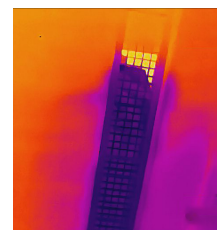
Applications



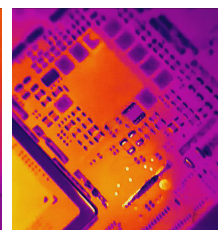
Electrical Application



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			

* 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.