

Guide

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

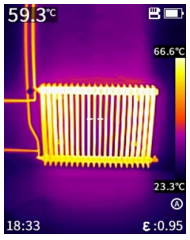
Applications



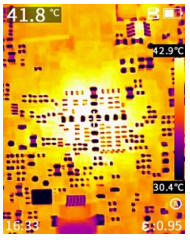
Electrical Application



Facilities maintenance



HVAC Inspection



PCBA detection

Wuhan Guide Sensmart Tech Co., Ltd.

www.guideir.com +86 27 5018 5140 enquiry@guideir.com

Specifications

Model	E1S	E1+S	E2S	E2+S
Imaging and Optics				
Core Technology	Powered by the complete ApexVision S1 architecture—the ApexCore S1 detector, Nexus 1.0 platform, and SharpIR 2.0 algorithm.			
Detector Type	Uncooled VOx detector, 7.5 to 14 μm			
IR Resolution	120×90 @ 12 μm		256×192 @ 12 μm	
Super Resolution	Supports real-time super-resolution reconstruction, up to 240×180		Supports real-time super-resolution reconstruction, up to 512×384	
NETD	⩽15 mK (@30°C)			
Image Frequency	25 Hz / 9 Hz			
Focal Length	1.6 mm		3.2 mm	7 mm
Field of View	50°×38°		56°×42°	25°×19°
IFOV	7.27 mrad		3.82 mrad	1.71 mrad
Min. Focus Distance	0.1 m			
D:S	138:1		262:1	585:1
Focus Mode	Focus-Free			Autofocus
Measurement and Analysis				
Measurement Range	Automatic range switching: -20°C to 150°C; 0°C to 550°C			
Accuracy	±2°C or ±2%, whichever is greater			
Measurement Tools	Center Spot; 1 Selectable Fixed Area: Small, Medium, or Large			
Alarm	On-Screen and Flash Alarm			
Image Display				
Display	2.4″ LCD			
Image Modes	IR, VIS, MIF, PIP			
Color Palettes	6: Iron Red, White Hot, Arctic, Rainbow 2, Hot Iron, Rainbow 1			
Image Adjustment	Level and Span: Auto, Semi-Auto, Manual			
Digital Camera	2 MP			
Functions				
Laser	Laser Pointer			
Capture	Photo and Video			
Storage and Transmission				
Storage Media	Built-in storage (16 GB)			
Image File Format	JPEG (radiometric)			
Video File Format	IRGD (radiometric)			
Interfaces	USB-C, Tripod Socket			
Wi-Fi	/	Supports image and real-time video transmission to mobile devices		
Power System				
Battery Type	Built-in rechargeable Li-ion battery			
Operating Time	8 hours		11 hours	
Environmental Parameters				
Operating Temp.	-15°C to 50°C			
IP Rating	IP54			
Drop	2 m drop test			
Physical Parameters				
Hardware	LED Light	Wi-Fi, LED Light		
Weight	355 g		375 g	
Dimensions	194×61.5×76 mm			
Supported Software	PC: ThermoTools	PC: ThermoTools; Mobile: FocusIR (iOS/Android)		
Package Contents	Thermal Camera, Wrist Strap, 5V 2A Adapter, USB-A to USB-C Cable, Quick Start Guide, Warranty Card			
Optional Accessories	Macro Lenses (10× / 20×), 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.