H Series Enhanced

Intelligent Thermal Camera

50Hz - Unprecedented real-time temperature data update speed

GUIDE H Series Enhanced -- High-Precision Hammer-Style Infrared Camera is specifically designed for industrial inspections and electrical grid maintenance. Equipped with a proprietary self-developed high-sensitivity detector (NETD <30mK, 640×480 resolution), its 50Hz high frame rate and wide temperature measurement range ensure precise capture of abnormal heating points. Equipped with a single-lens dual-FOV design, it instantly switches between wide-angle and narrow-angle views without lens changes. This enables seamless adaptation to complex scenarios, efficiently handling both long-distance inspections and close-range temperature measurements.

Single-Lens Dual-FOV
(25°+15°、25°+45°)

The single-lens dual-FOV design enables instant switching between wide-angle and narrow-angle views. Without lens changes, it handles bo th long-distance inspections and close-range temperature measurements, enhancing eff iciency in complex scenarios.

Fast charging to 90% in 1 hour

Equipped with advanced fast-charging technology, it reaches 90% battery capacity in just 1 hour, significantly reducing downtime and efficiently meeting urgent operational needs.

Single-Lens Wide Measurement Range
(-40℃~2000℃)

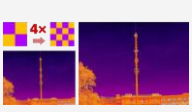
A single lens covers -40°C to 2000°C, enabling precise monitoring of ultra-low-temperature condensation and high-temperature smelting processes. Ideal for metallurgical and power industry applications, this solution reduces downtime and operational costs

50Hz Frame Rate

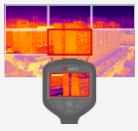
With 50Hz high frame rate real-time imaging, the system accurately captures rapid temperature changes. This performance makes it suitable for industrial inspections and scientific analysis.

5 Focus Modes

Laser-assisted AF / Continuous AF / Autofocus / Manual Focus / Touch-to-Focus - optimizing image clarity and measurement accuracy.



Super-Resolution



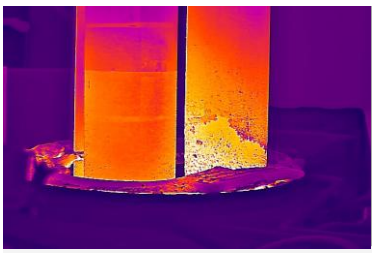
PerIRVision

4 Dimming Methods

OTA Upgrade

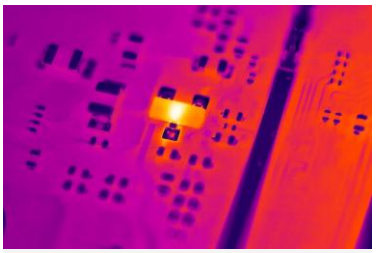
Applications

Electrical Maintenance



Industrial Inspection

Heating System Inspection



PCB

Standard Package

Camera

Batteries×2

Desktop Charger

Power Adapter with Plugs

USB-A to USB-C Cable

USB-C to USB-C Cable

Shoulder Strap

Hand Strap

Safety Box

Carrying Case

SD Card (64GB)

- Quick Start Guide
- Inspection Report
- Calibration Certificate
- Warranty Card

ADD-ON LENSES

Medium telephoto lens

Wide-angle lens

Telephoto lens

3x macro lens

TwinView DFOV Lens

RangeMax Ultra-wide measurement range lens kit

Scientific Research Bracket: When paired with a macro lens, the device transforms into a thermal imaging microscope. It resolves microscopic thermal patterns on chips and biological specimens, empowering research into microscopic thermodynamics.

Specifications

Model		H2	H3	H3+	H4	H6
Imaging and Optics	IR Resolution	256*192	320*240	384*288	480*360	640*480
	SuperIR	512*384	640*480	768*576	960*720	1280*960
	NETD	≤30mK			≤20mK	
	Image Frequency	50Hz/9Hz				
	Field of View (FOV)	44°、25°、15°、7°、TwinView DFOV Lens（25°+15°、25°+45°）、RangeMax Ultra-wide measurement range lens kit（25°、15°、7°）		44°、25°、15°、7°、TwinView DFOV Lens（25°+15°、25°+45°）、RangeMax Ultra-wide measurement range lens kit（25°、15°、7°）、3X Macro		
	Spatial Resolution(IFOV)	44°：3.01mrad 25°：1.7mrad 15°：1.02mrad 7°：0.48mrad	44°：2.41mrad 25°：1.36mrad 5°：0.82mrad 7°：0.48mrad	44°：2.0mrad 25°：1.14mrad 15°：0.68mrad 7°：0.32mrad	44°：1.6mrad 25°：0.91mrad 15°：0.55mrad 7°：0.25mrad	44°：1.20mrad 25°：0.68mrad 15°：0.41mrad 7°：0.2mrad
	Lens Calibration	Calibration – Free Recognition（Limited lens support）				
Image Display	Digital Camera	5MP		8MP		13MP
	Display	800*480 Resolution, 4.3" LCD Screen				
	Digital Zoom	1.X to 8.x		1.X to 10.x	1.X to 16.x	1.X to 20.x
	Annotations	Annotated Collection,Text(supports preset text),Voice(200s),Doodle,Visible Light Image.				
Measurement and Analysis	Object Temperature Range	-40°C to 150°C, 0°C to 650°C，500℃~2000℃（RangeMax Ultra-wide measurement range lens kit），Auto				
	Accuracy	±2°C or 2%, whichever is greater（23℃±5°C ambient）				
General	Image Format	Radiometric JPEG,MP4 Video，Radiometric Video				
	Wi-Fi/GPS & Compass	802.11 b/g/n （2.4 GHz and 5 GHz）/Yes				
	Battery Operating Time	5H			4H	
	Battery Type& Charging Time	Fast-charging,Lithium-ion battery,1 h to 90% capacity(@0~45℃)				
	Weight	≤1.24KG (Including standard lens and battery)				

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.