



# 50Hz - Unprecedented real-time temperature data update speed

## Hammer II Series Intelligent Thermal Camera

Hammer II Series – 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<15mK), 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.

**APEX VISION**

### 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 both long-distance inspections and close-range temperature measurements, enhancing efficiency 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°C~2000°C)

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.



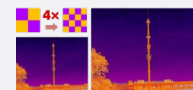
### 50Hz Frame Rate

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.

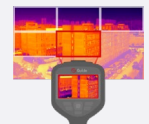


### 5 Focus Modes

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



### Super-Resolution



### PerIRVision



### 4 Dimming Methods

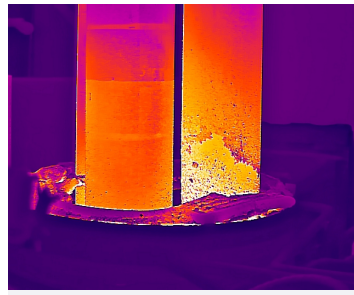


### OTA Upgrade

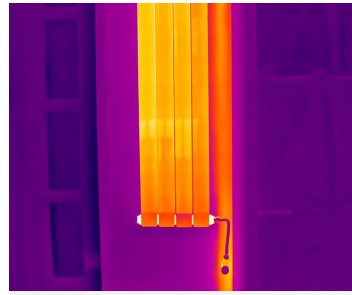
# Applications



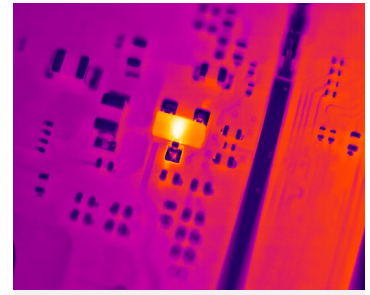
Electrical Maintenance



Industrial Inspection



Heating System Inspection

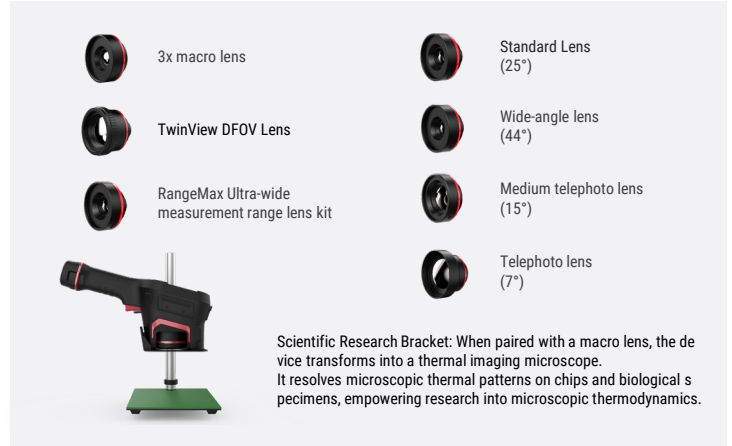


PCB

## Standard Package



## ADD-ON LENSES



## Specifications

Model		H2S	H3S	H3+S	H4S	H6S	
Imaging and Optics	IR Resolution	256×192	320×240	384×288	480×360	640×480	
	Super resolution	512×384	640×480	768×576	960×720	1280×960	
	NETD	15mK					
	Image Frequency	50Hz/9Hz					
	Field of View (FOV)	44°, 25°, 15°, 7°, TwinView DFOV (25°+15°/25°+45°), RangeMax Ultra-wide Kit (25°/15°/7°)			44°, 25°, 15°, 7°, TwinView DFOV (25°+15°/25°+45°), RangeMax Ultra-wide Kit (25°/15°/7°), 3X Macro		
	Spatial Resolution(IFOV)	44°:4mm 25°:6.8mm 15°:11.7mm 7°:25.1mm	44°:5mm 25°:8.5mm 15°:14.6mm 7°:31.4mm	44°:6mm 25°:10.5mm 15°:17.7mm 7°:37.5mm	44°:7.5mm 25°:13mm 15°:21.7mm 7°:47.1mm	44°:10mm 25°:17.7mm 15°:29mm 7°:62.9mm	
	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	1-8x continuous		1-10x continuous	1-16x continuous	1-20x continuous	
	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°C~2000°C (RangeMax Ultra-wide measurement range lens kit), Auto					
	Accuracy	±2°C or 2%, whichever is greater (23°C±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	5 hours					
	Battery Type& Charging Time	Fast-charging, Lithium-ion battery, 1 h to 90% capacity(@0~45°C)					
	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.