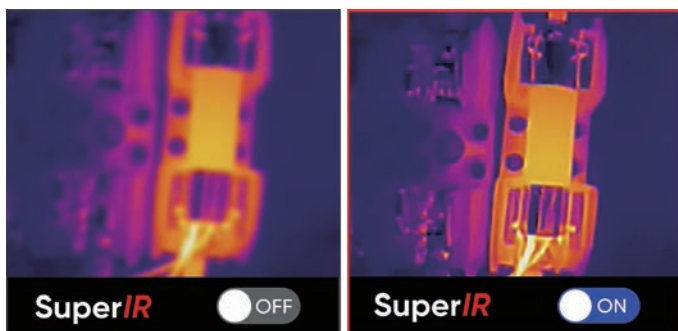# Eco SERIES

IR Performance, Surprisingly Affordable, and Absolutely Brilliant

VISIT OUR WEBSITE

Enhanced Thermal Clarity with SuperIR

Powered by HIKMICRO SuperIR image enhancement technology, it upscales thermal image from 96 × 96 (9,216 pixels) to **240 x 240** (57,600 pixels) resolution when **viewing live with 25 Hz** fast image frequency and capturing.

50° Wide Angle Lens

Scan large areas quickly with the **50° wide angle lens** to find issues like air infiltration, water leaks, and insulation issues.
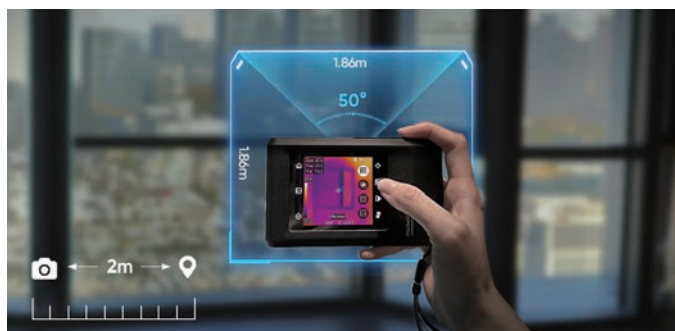

Rugged and Durable

Features **IP54**-rated form factor, passes strict drop tests up to 2 meters (6.56 feet) and comes with a three-year warranty.

High Image Quality with Smooth Video

High Sensitivity IR sensor(NETD <0.05°C / NETD< 50mK) provides you with high image quality, easier-to-spot subtle heat loss or gain, and delivers high image quality. **25 Hz** fast image frequency delivers smooth video while panning across scenes or viewing moving targets.

Multiple Image Modes

Eco-V and PocketE featured both an IR camera and a visible camera, allowing you to switch multiple image modes (Thermal, Visual, PIP, Fusion, or Blending) and save visual and thermal images simultaneously in one click. Provide you with efficient workflow and a fast inspection report.
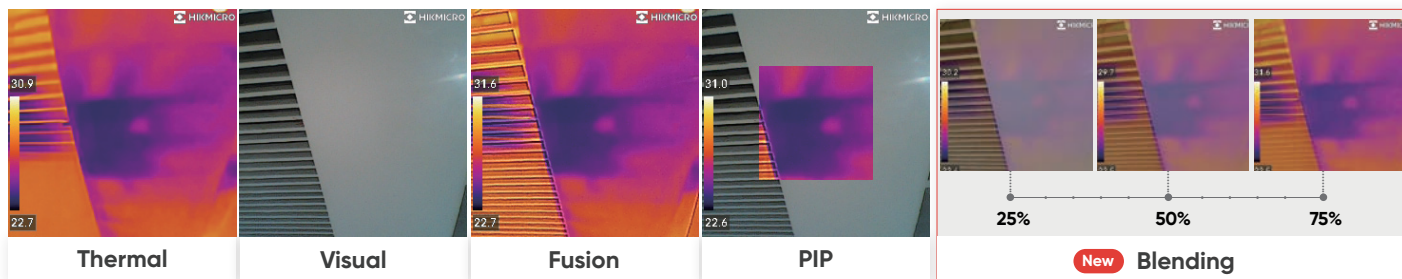
Eco
- Thermal Only

Eco-V
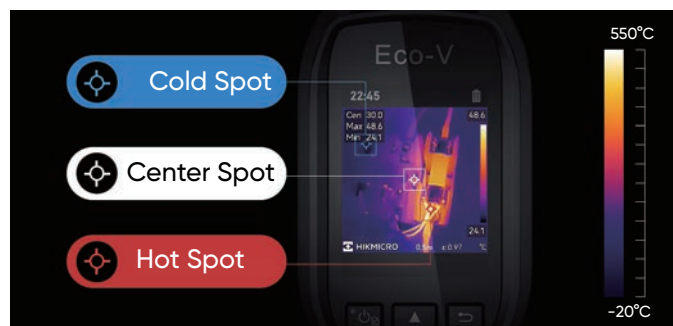- Thermal & visible dual-camera
- Thermal/Visual/Fusion

PocketE
- Thermal & visible dual-camera
- Thermal/Visual/Fusion/PIP/Blending

| Thermal | Visual | Fusion | PIP | New Blending |

KEY FEATURES *(Eco & Eco-V only)*

Full-screen Precise and Wide Temperature Measurement

Supports capture of full-screen radiometric images and automatically tracks max/min/center spots to pinpoint temperature anomalies at a glance. Accurately measures temperatures from **-20°C (-4°F) to 550°C (1022°F)**, with a temperature accuracy up to +/-2°C (+/-3.6°F) or +/-2% of reading.

∗ Automatic Spot tracker

8 Hrs. Continuous Runtime

Built-in 3350mAh Li-Ion rechargeable battery and thoughtful auto power-off settings (**10/20/30/40/50/60 minutes**) allow the camera up to 8 hours of continuous operation.
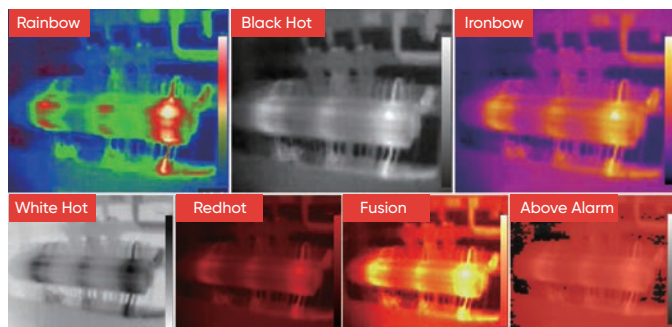

Locate with Laser Pointer (Eco-V only)

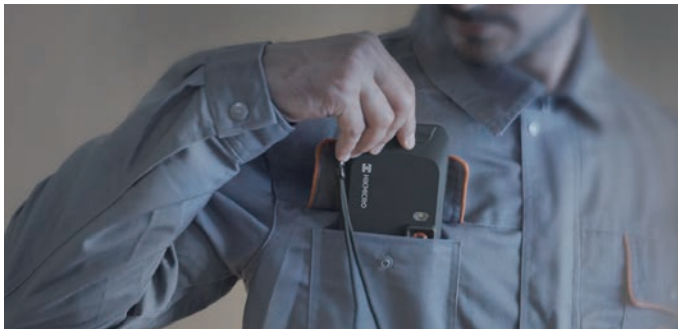Helps show the position of the center point on actual object.

7 Color Palettes

Offers White Hot, Black Hot, Rainbow, Ironbow, Redhot, Fusion & Above Alarm 7 color palettes so you can choose the ideal color scale for your job.

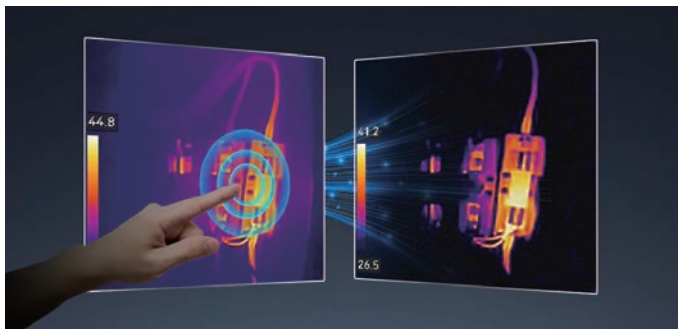Rainbow | Black Hot | Ironbow | White Hot | Redhot | Fusion | Above Alarm

Portable Pocket-sized with Touch Screen

Easy to carry and hold. Perfectly fit in pockets and any toolboxes. View the details of your images on the large, intuitive **LCD 3.5"** touch screen.

Wireless Connectivity

Screen stream and download on-device images with **Wi-Fi** to your smartphone or tablet with HIKMICRO Viewer.

1-Tap Level & Span

Just tap an area of interest on the screen and it instantly increases image contrast and highlights potential problems.
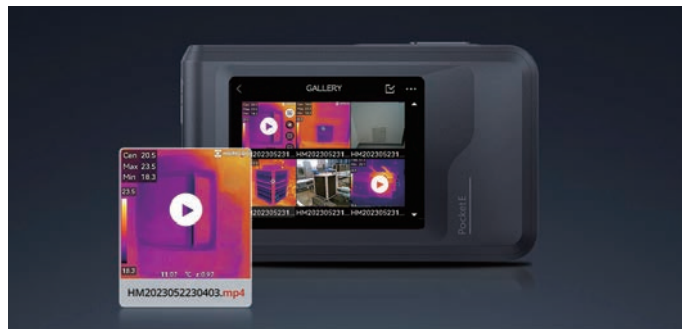

On-camera Recording

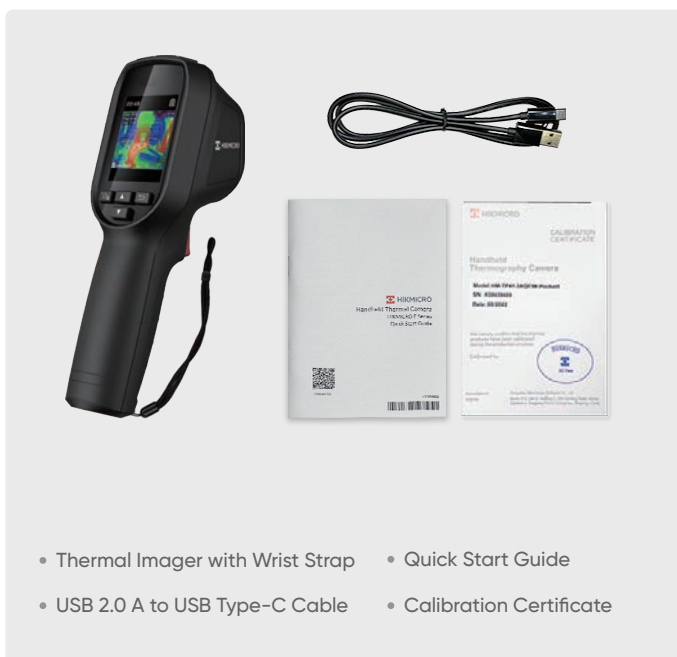The built-in **4GB** eMMC flash storage can store approx 30,000 standard thermal/visual images or 20 hours of **MP4 video**. And, it allows onboard recording and playback.

WHAT'S IN THE BOX *(Eco & Eco-V)*

- Thermal Imager with Wrist Strap
- USB 2.0 A to USB Type-C Cable
- Quick Start Guide
- Calibration Certificate

OPTIONAL ACCESSORIES *(Eco & Eco-V)*

— Soft Carrying Pouch —
HM-B01-POUCH

WHAT'S IN THE BOX (PocketE)

— Thermal Imager with Wrist Strap —

— Soft Carrying Pouch —

— USB 2.0 A to USB Type-C Cable —

—Quick Start Guide —

— Calibration Certificate —

Camera Highlights		Eco	Eco-V	PocketE
Infrared Image	IR Resolution	96 × 96 (9,216 pixels)		
	SuperIR	240 × 240 (57,600 pixels)		
	NETD	<0.05℃ / NETD< 50mK		
	Image Frequency	25 Hz		
	Field of View (FOV)	50° × 50°		
	Focus Mode	Focus Free		
Image Display	Visual Camera	N/A	640 × 480 (307,200 pixels)	640 × 480 (307,200 pixels)
	Image Modes	Thermal	Thermal/Fusion/Visual	Thermal/Visual/Fusion/ PIP/Blending
	Display	240 × 320 Resolution, 2.4" LCD Screen		320 × 240 Resolution, 3.5" LCD Touch Screen
Measurement and Analysis	Object Temperature Range	-20℃ to 550℃ (-4°F to 1022°F)		-20℃ to 350℃ (-4°F to 662°F)
	Accuracy	Max (±2℃/3.6°F,±2%) at ambient temperature 25℃ (77°F) and object temperature above 0℃ (32°F)		
Data Storage and Communication	Storage Media	Built-in 4 GB flash memory		
	File Format	Radiometric JPEG		Radiometric JPEG, MP4
	Storage Capacity	Approx. 30,000 Images		Approx. 30,000 Images, 20 hours videos
General	Wi-Fi	N/A		802.11 b/g/n (2.4 GHz)
	Battery Operating Time	Approx. 8 hours		Approx. 4 hours
	Led Flashlight	N/A		Yes
	Laser Pointer	Yes		N/A
	Durability	IP54, 2 m (6.56 ft) drop protection		
	Weight	Approx. 290 g (0.64 lb)		Approx. 218 g (0.481 lb)

HIKMICRO Thermography

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HIKMICRO Thermography

HIKMICRO

FULL PRODUCT **3** YEARS

DETECTOR **10** YEARS

BATTERY **2** YEARS

PC Analyzer

Mobile VIEWER