

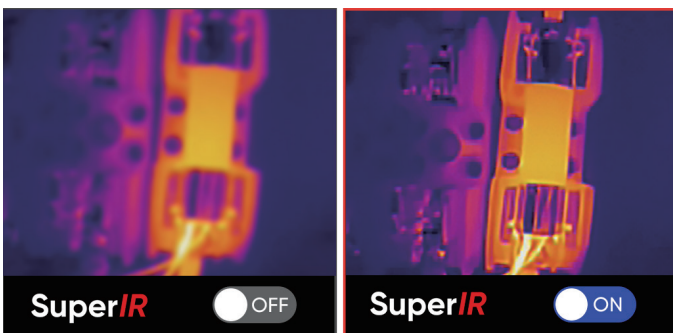
# ECO SERIES

IR Performance, Surprisingly Affordable, and Absolutely Brilliant



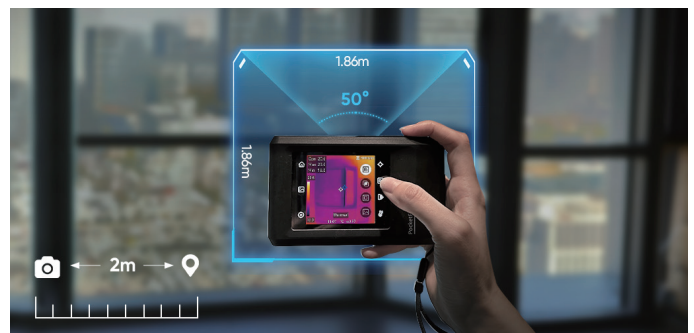
## Enhanced Thermal Clarity with SuperIR

Powered by HIKMICRO SuperIR image enhancement technology, it upscales thermal image from 96 x 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

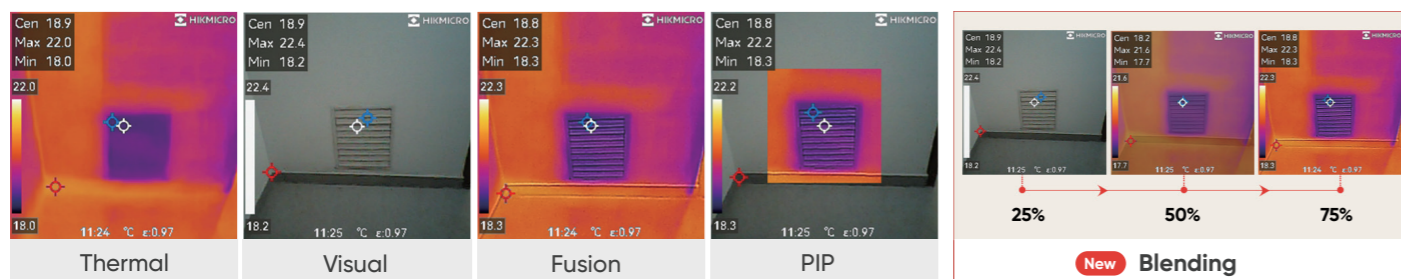
- Thermal Only

### Eco-V

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

### PocketE

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



## 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  $\pm 2^\circ\text{C}$  ( $\pm 3.6^\circ\text{F}$ ) or  $\pm 2\%$  of reading.



• Automatic Spot tracker

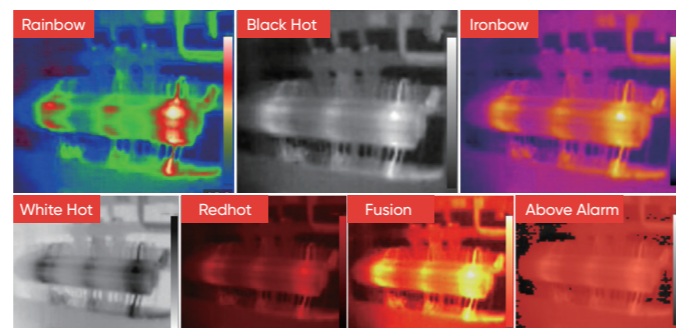
### 8 Hrs. Continuous Runtime

**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.



### 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.



### Locate with Laser Pointer

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



## KEY FEATURES (PocketE only)

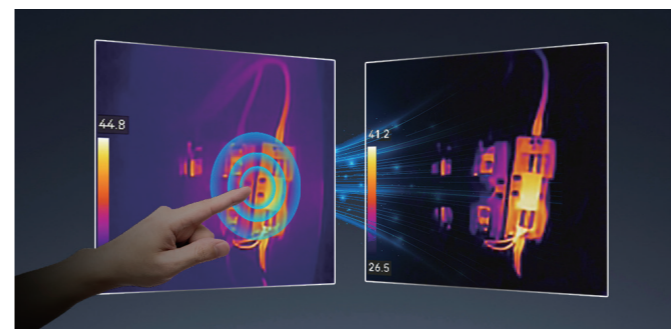
### Portable Pocket-sized with Touch Screen

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.



### 1-Tap Level & Span

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



### Wireless Connectivity

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

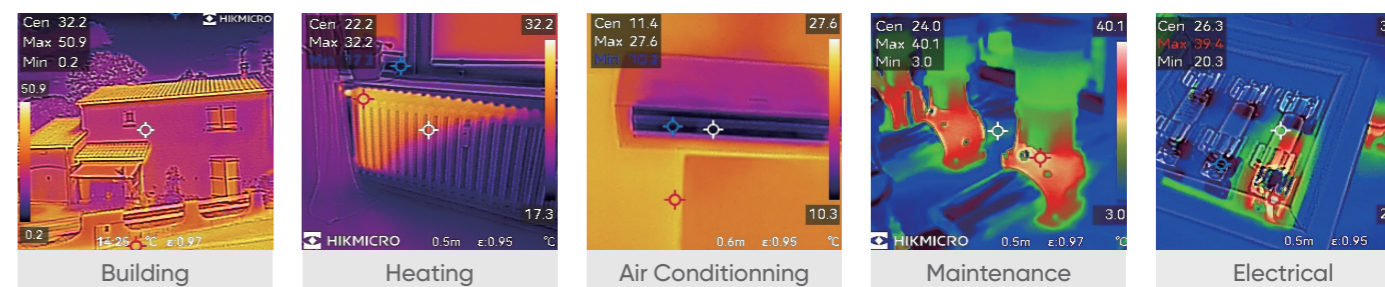


### On-camera Recording

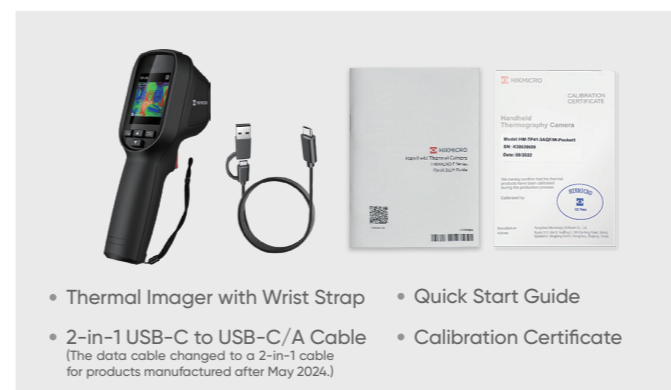
The built-in **4GB eMMC** flash storage can store approx 30,000 standard thermal/visual images or 20 hours of **MP4 video**. And, it allows onboard recording and playback.



## DISCOVER APPLICATIONS

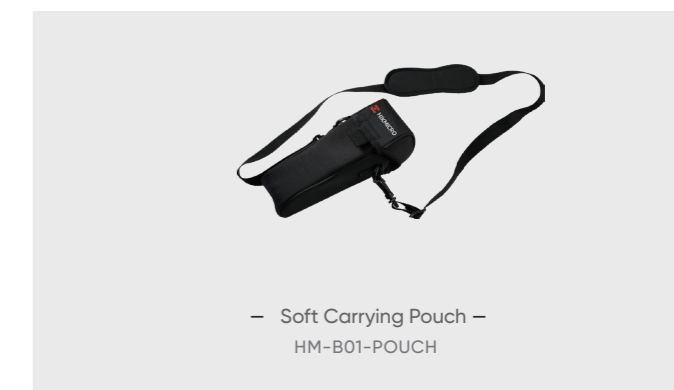


## WHAT'S IN THE BOX (Eco & Eco-V)



- Thermal Imager with Wrist Strap
- Quick Start Guide
- Calibration Certificate
- 2-in-1 USB-C to USB-C/A Cable (The data cable changed to a 2-in-1 cable for products manufactured after May 2024.)

## 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 –



– 2-in-1 USB-C to USB-C/A Cable –  
(The data cable changed to a 2-in-1 cable for products manufactured after May 2024.)



– 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), on Live View and Captured Images                                      |                            |   |
|                                | NETD                     | < 50 mK (@ 25 °C, F#=1.0)  |                            |   |
|                                | 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°C to 550°C (-4°F to 1022°F)  |                            | -20°C to 350°C (-4°F to 662°F)              |
|                                | Accuracy                 | Max (±2°C/3.6°F, ±2%) at ambient temperature 25°C (77°F) and object temperature above 0°C (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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