

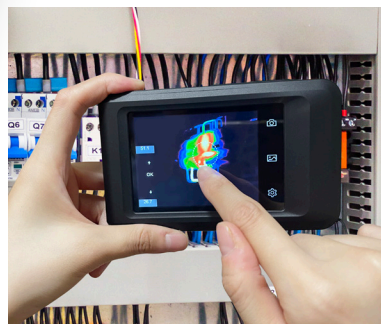
# Pocket Series

## Pocket2 & Pocket1

High Performance  
Compact Thermal Imaging  
Camera for Professionals



 HIKMICRO



### Multiple Level & Span Modes

Three Level & Span modes (manual, automatic, and 1-Tap) help you instantly improve image contrast and highlight potential problems.



### Faster Troubleshooting

Built-in speaker and flash light give the operator audio and visual alerts to high temperatures. Full-screen measurement using different user presets checks everywhere instantly.



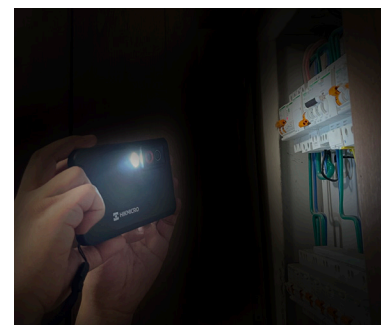
### Portable Pocket-sized Design

Easy to carry and hold. It fits perfectly in your pocket and tool bag.



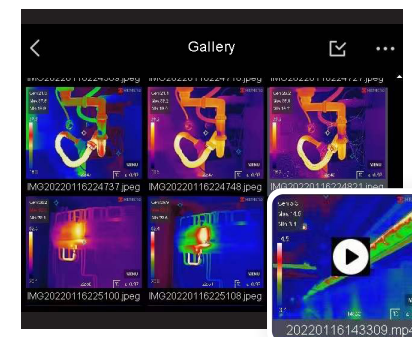
### Rugged & Durable Design

IP54 rated for protection against water and dust. Featuring 2-meter (6.6ft) drop protection, suitable for industrial use.



### LED Flashlight

The LED flashlight allows you to work safely in dim or dark environments.

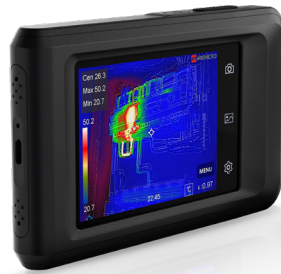


### On-camera Recording

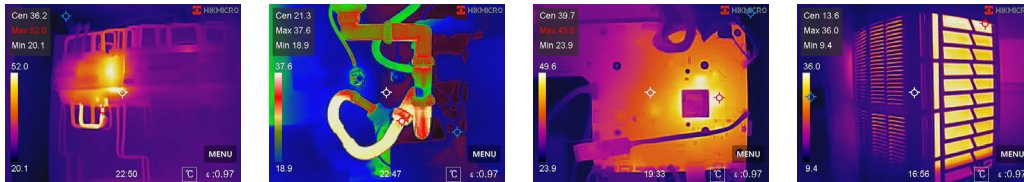
Built-in 16GB internal memory provides onboard recording and playback.

# Introduction

HIKMICRO Pocket Series is equipped with a high-resolution HIKMICRO VOx detector, an 8 MP optical camera, and a 3.5" LCD touch screen. It helps you quickly and efficiently locate the hidden problems and accurately measure abnormal temperature. The wide temperature range of -20°C to 400°C is ideal for building inspection, HVAC, electrical, and mechanical equipment maintenance. The 25 Hz frame rate keeps up with fast inspections, and the Wi-Fi function allows the Pocket to share images in real time. The Pocket Series is a powerful thermography tool in your pocket, so it is always there whenever you need it.



# Applications



Electrical Inspections

Hot Water Pipes

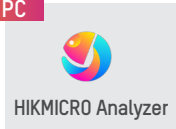
PCB Circuit Boards

HVAC

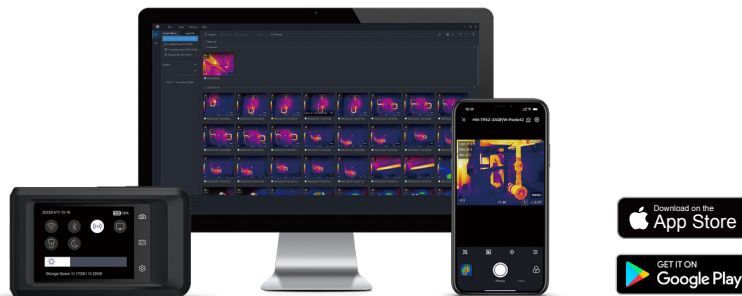
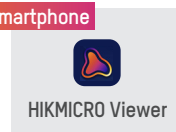
# Software

Connect (Wi-Fi or Hotspot) to the HIKMICRO Viewer App for transmitting pictures from the camera to a mobile phone. Analyze, share images and generate simple reports in real-time on-site. Use HIKMICRO Analyzer PC software to provide customers with professional reports with images documenting problems and repairs.

PC



Smartphone



# Specifications

		Pocket2	Pocket1
Thermal Module	Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays	
	IR Resolution	256 x 192 (49,152 pixels)	192 X 144 (27,648 pixels)
	NETD	< 0.04°C (40 mK) at 25°C (77°F) Ambient Temperature, F# = 1.0	
	Focal Length	3.5 mm	
	FOV (Field of View)	50.0 °H × 37.2 °V	37.5 °H × 28 °V
	Image Frequency	25 Hz	
	Focus	Fixed	
Optical Module	IFOV (Spatial Resolution)	3.43 mrad	
	Picture Resolution	Configurable: 2 MP, 5 MP, 8 MP	
Image Display	Display	640 × 480 Resolution, 3.5" LCD Touch Screen	
	Color Palettes	7: White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Rain	
	Image Modes	Thermal/Optical/Fusion/PIP	
Measurement and Analysis	Object Temperature Range	-20 °C to 400 °C ( -4 °F to 752 °F )	
	Accuracy	Max (±2°C/3.6°F, ±2%), for ambient temperature 15°C to 35°C (59°F to 95°F) and object temperature above 0°C (32°F)	
	Measurement Presets	Center Spot, Hot Spot, Cold Spot, Off	
	High Temperature Alarm	Audible/visual alarm of above temperature threshold, User-defined temperature threshold	
Storage	Storage Media	EMMC (16 GB)	
	Image Storage Capacity	Approx. 60,000 Images	
	Image File Format	Radiometric.JPG with Measurement Data Included	
	Text Note	Max. 200 Characters	
	Video Storage Capacity	Approx. 10 h	
	Video File Format	Standard MP4 Non-radiometric video	
Functions	LED Light	Yes	
	Microphone	Yes	
	Buzzer	Yes	
	Wi-Fi	802.11 b/g/n (2.4 GHz, 5 GHz)	
	Bluetooth	Bluetooth 4.2	
	Connect with APP	Yes, HIKMICRO Viewer	
	Level/Span	Auto/Manual/1-Tap Touch Screen	
Power System	Battery Operating Time	4 Hours Continuous Running	
	Menu Language	21 Languages	
General	Protection Level	IP54	
	Drop Test Height	2 m (6.56 ft)	
	Weight	Approx. 218 g (0.48 lb)	
	Packing List	Thermal Imager x 1, Pouch x 1, Wrist Strap x 1, USB Cable x 1, Power Supply x 1, Quick Start Guide x 1, Calibration Certificate x 1	