HIKMICRO

Smartphone Attachment Thermal Camera

MINI SERIES
INTRODUCTION

Make your phone smarter with HIKMICRO thermal camera

2024.Q4

PRODUCT CATEGORIES

HIKMICRO

Thermal

Handheld

Fixed

Firefighting New

Intrinsically Safe New

Acoustic New

Software

PRODUCT MATRIX - HANDHELD

Entry

- 96 / 256 / 384
- Manual Focus & Fixed Focus

Mini Series

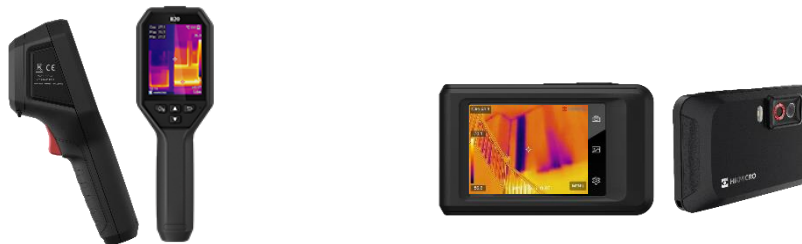Wireless Thermal Camera for iOS and Android phones and tablets

- 96 / 160

Eco Series   **PocketE**   **E Series**

- 192 / 256
- Wi-Fi

B Series   **Pocket Series**

Middle & High-end Level

- 192 / 256 / 384 / 640
- Wi-Fi
- Manual Focus & Fixed Focus
- Touch screen
- Removable Batteries /Memory Card

M Series

- 384 / 480 / 640
- Wi-Fi
- Touch screen
- Removable Batteries /Memory Card
- Optional Lenses
- Auto Focus

Gx1 Series

- 480 / 640
- Wi-Fi
- Touch screen
- Removable Batteries /Memory Card
- Optional Lenses
- Auto Focus
- DV Form Factor

SP Series

MINI SERIES – PRODUCT POSITIONING

Smartphone Attachment Thermal Camera

HIKMICRO Mini Series

Product slogan:

Make your phone smarter with HIKMICRO Thermal

High Image Quality | Smooth 25 Hz | ±2 °C or 2% Accuracy | Mini Size

Product Positioning：

Best choice for affordable smartphone attachment thermal camera

Users：

Tech Geek, House Owner, Electrician, Mechanical Inspector, Automotive Technician, HVAC Professional, Plumber, etc.

Application Scenarios：

Building inspection, HVAC inspection, Automotive inspection, Electrical inspection, Mechanical inspection, Printed Circuit Board Inspection, outdoor, etc.

MINI SERIES - NAMING RULES

HIKMICRO

Mini 2 Plus

Product Series

Mini: Smartphone
Attachment Series

Resolution

E: Eco (96 x 96)
2: 256 ×192
3: 394 ×288
X: Wireless (256 ×192)

MINI SERIES - KEY FEATURES

Make your phone smarter with HIKMICRO thermal camera

Mini-X
- **Wireless**
- 256 x 192 (49,152 pixels)
- **Manual Focus**

Mini3
- Android USB-C
- **384× 288 (110,592 pixels)**
- **Manual Focus**

Mini2Plus V2
- **USB-C Android, USB-C iOS, Lightning iOS**
- 256 x 192 (49,152 pixels)
- **Manual Focus**

Mini2 V2
- **USB-C Android, USB-C iOS, Lightning iOS**
- 256 x 192 (49,152 pixels)
- Focus-free

MiniE
- **USB-C Android, USB-C iOS, Lightning iOS**
- 96 × 96 (9, 216 pixels)
- Focus-free

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MINI SERIES - FORM FACTOR

Make your phone smarter with HIKMICRO thermal camera

MiniE

① Interface: USB-C Android, USB-C iOS, Lightning iOS
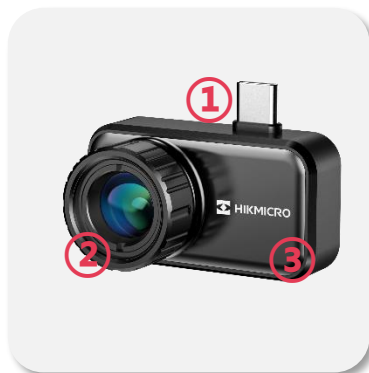② Focus-free thermal lens
③ Aluminum Alloy Housing

Mini2 V2

① Interface: USB-C Android, USB-C iOS, Lightning iOS
② Focus-free thermal lens
③ Aluminum Alloy Housing

Mini2Plus V2

① Interface: USB-C Android, USB-C iOS, Lightning iOS
② **Manual Focus** thermal lens
③ Aluminum Alloy Housing

Mini3

① Interface: Android USB-C
② **Manual Focus** thermal lens
③ Aluminum Alloy Housing

Mini-X

① **Manual Focus** thermal lens
② **0.3MP** optical lens
③ Aluminum Alloy Housing

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MINI SERIES - OVERVIEW

Make your phone smarter with HIKMICRO thermal camera

Model	MiniE	Mini2 V2	Mini2Plus V2	Mini3	Mini-X
Interface	USB-C Android, USB-C iOS, Lightning iOS			Android USB-C	Wireless
Resolution	96 × 96 (9,216 pixels)	256 x 192 (49,152 pixels)		384 × 288 (110,592 pixels)	256 x 192 (49,152 pixels)
Temp. Range	-20°C to 400°C (-4°F to 752°F)	-20°C to 400°C (-4°F to 752°F)		-20°C to 650°C (-4°F to 1202°F)	-20°C to 550°C (-4°F to 1022°F)
Accuracy	±2 °C or 2%				
NETD	< 50 mK	< 40 mK		≤30 mK	< 40 mK
Focus	Focus-Free	Focus-Free		Manual Focus	
Frame Rate	25 Hz	25 Hz		50 Hz / 25 Hz	25 Hz
Measurement Rules	Center Spot, Hot Spot, Cold Spot User-definable: 3 spots, 3 rectangles and 1 line.			Center Spot, Hot Spot, Cold Spot User-definable: 3 spots, and 3 rectangles.	Center Spot, Hot Spot, Cold Spot User-definable: 3 spots, 3 rectangles and 1 line
FOV	50° × 50°	50° × 37.2°	25° × 18.8°	26° × 19°	37.2° × 50.0°
Palettes	12+Custom Palette	12			8
Image presentation modes	Thermal, PIP		Thermal, Visual(with the phone camera)	Thermal	Thermal/Visual/Fusion/PIP/Blending
IP Rating	IP40				IP54
Drop tested	1m				1m
Size	41.56 × 34.03 × 10.79 mm	42 x 22.5 x 11.2 mm	26.6 × 26.6 × 25 mm	47.6 × 26 × 26.59 mm	155.45 × 38.89 × 32.15 mm
Weight	20 g	20 g	24 g	45 g	158 g

The Mini series smartphone attachment thermal camera is designed to troubleshoot home, HVAC, and electrical problems. Equipped with a functional HIKMICRO viewer App for smartphones and tablets, enables you to get thermal imaging on your mobile devices. It offers focus-free wide-angle and manual focus two options. The manual focus lens provides a clear view of small objects such as electronic components or distant large objects like electrical or mechanical equipment from a safe distance. The focus-free wide-angle lens is ideal for quickly scanning walls, facades, and large objects.

Powerful App

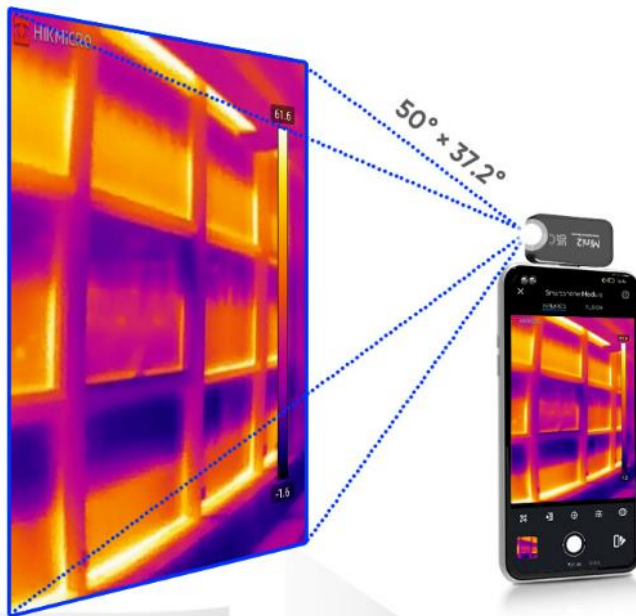HIKMICRO Viewer

MINI SERIES – PRODUCT FEATURES

Make your phone smarter with HIKMICRO thermal camera

Multiple Product Options: The Mini series offers focus-free and manual focus two options for wide uses.

01 Focus-free Wide Angle

A focus free lens with wide-angle provides a large field of view, which is great for large scale scanning. It is ideal for scanning walls, floors, and facades for items that typically present themselves on a larger scale including water leaks, insulation issues, and air infiltration.

02 Manual Focus

Equipped with a manual focus lens for inspection at various distances. Viewing small objects like electronic components, or viewing more distant objects like electrical or mechanical equipment that require a safe distance.
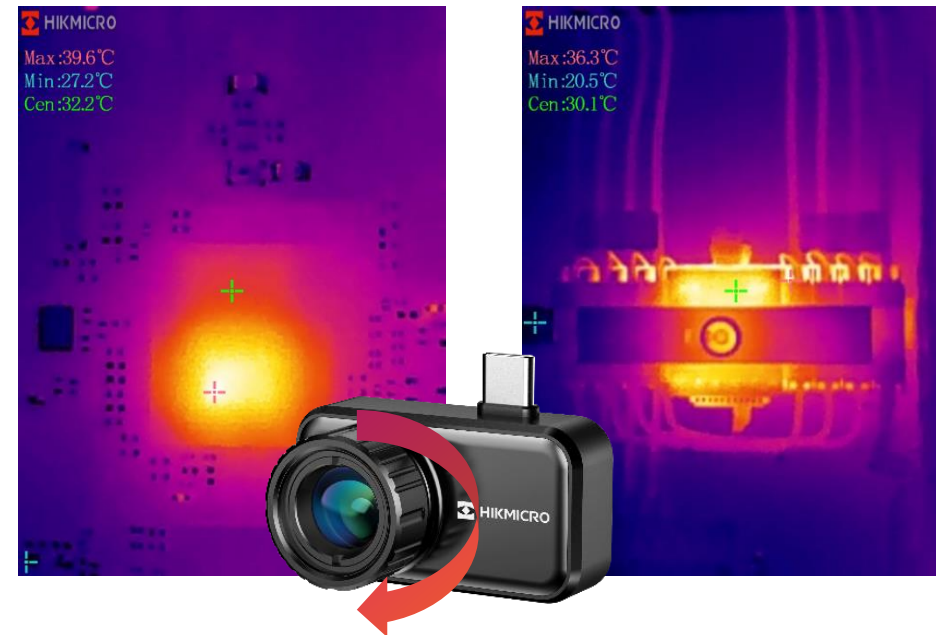
MINI SERIES – PRODUCT FEATURES

Make your phone smarter with HIKMICRO thermal camera

HIKMICRO

MINI — Mini Design

It'll fit in your pocket, tool bag, or anywhere convenient for quick and easy access.
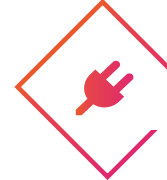
Clarity — Superior Image Clarity & Smooth Video

Up to 384× 288 IR resolution, 35 mK, 50 Hz

Professional Viewer APP

Free yet powerful APP HIKMICRO Viewer provides a user-friendly interface to explore, capture images & video, and measure temperatures of potential problems.

Plug and Play

Instantly attaches to your smart phone or tablet and ready to go in seconds.

Battery-free

It's powered by your phone, designed to run on very little power to maximize your mobile device run time, and ready whenever you are.

Essential Accessories Included

Extension cord, convenient inspection; Scan difficult-to-view, hard-to-reach areas.

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Mini series - APPLICATION SCENARIOS

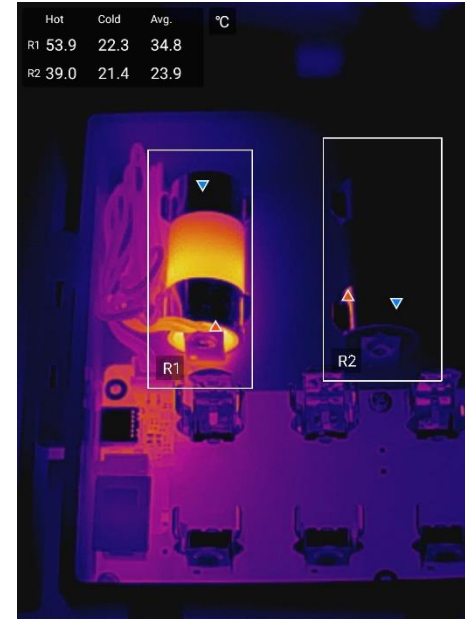Make your phone smarter with HIKMICRO thermal camera
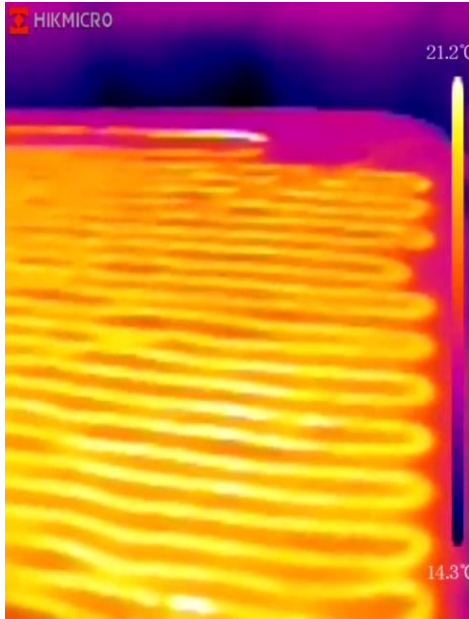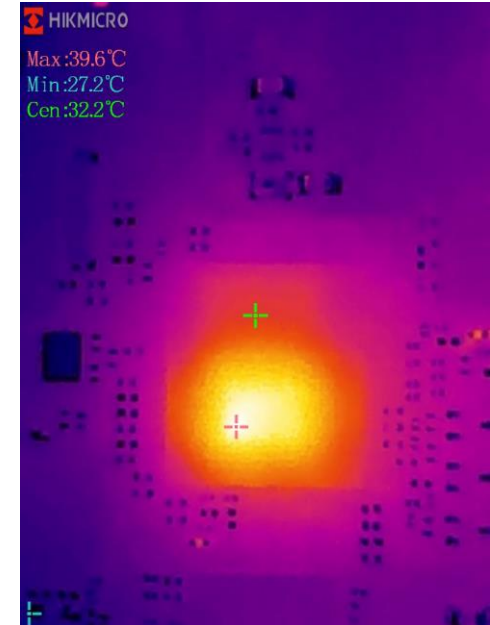

Home Inspection

House Owner or
Building Inspector

Electrical Inspection

Electrician

Electrical Fuse

Electrician

PCB Board Detection

Electronic Component
Designer

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MINI SERIES - SCOPE OF DELIVERY

Make your phone smarter with HIKMICRO thermal camera

What's in the Box?

- Thermal Imager
- Protective Case
- USB-C Extension Cord
- **Lightning Adapter**
- USB-C Extension Adaptor
- Quick Start Guide

MiniE

Mini2Plus V2

Mini2 V2

- Thermal Imager
- Protective Case
- USB-C Extension Cord
- USB-C Extension Adaptor
- Quick Start Guide

Mini3

- Thermal Imager
- Protective Case
- USB Extension Cord
- Quick Start Guide
- **Phone Mount Holder**
- **Surface Mount Holder**

Mini-X

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Mini series - SPECIFICATIONS

Make your phone smarter with HIKMICRO thermal camera

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| Model	HIKMICRO MiniE	HIKMICRO Mini2 V2	HIKMICRO Mini2Plus V2	HIKMICRO Mini3	HIKMICRO Mini-X
Image					
Interface	USB-C Android, USB-C iOS, Lightning iOS	USB-C Android, USB-C iOS, Lightning iOS	USB-C Android, USB-C iOS, Lightning iOS	Android USB-C	Wireless
Resolution	96 × 96 (9,216 pixels)	256 x 192 (49,152 pixels)	256 x 192 (49,152 pixels)	384 × 288 (110,592 pixels)	256 × 192 (49,152 pixels)
Temp. Range	-20°C to 400°C (-4°F to 752°F)	-20°C to 400°C (-4°F to 752°F)	-20°C to 400°C (-4°F to 752°F)	-20°C to 650°C (-4°F to 1202°F)	-20°C to 550°C(-4°F to 1022°F)
Accuracy	±2 °C or 2%	±2 °C or 2%	±2 °C or 2%	±2 °C or 2%	±2 °C or 2%
NETD	< 50 mK	< 40 mK	< 40 mK	≤30 mK	< 40 mK
Focus	Focus Free	Focus-Free	Manual Focus	Manual Focus	Manual Focus
Frame Rate	25 Hz	25 Hz	25 Hz	25 Hz/50 Hz	25 Hz
Measurement Rules	Center Spot, Hot Spot, Cold Spot User-definable: 3 spots, 3 rectangles and 1 line.	Center Spot, Hot Spot, Cold Spot User-definable: 3 spots, 3 rectangles and 1 line.	Center Spot, Hot Spot, Cold Spot User-definable: 3 spots, 3 rectangles and 1 line.	Center Spot, Hot Spot, Cold Spot User-definable: 3 spots, and 3 rectangles.	Center Spot, Hot Spot, Cold Spot User-definable: 3 spots, 3 rectangles and 1 line.
FOV	50° × 50°	50° × 37.2°	25° × 18.8°	26° × 19°	37.2° × 50.0°
Palettes	12 + Custom Palette	12	12	12	8
Image presentation modes	Infrared, PIP	Infrared, PIP	Infrared, Visual (with the phone camera)	Infrared	Infrared/Visual/Fusion/PIP/Blending
IP Rating	IP40	IP40	IP40	IP40	IP54
Drop tested	1m	1m	1m	1m	1m
Size	41.56 × 34.03 × 10.79 mm	42 x 22.5 x 11.2 mm	26.6 × 26.6 × 25 mm	47.6 × 26 × 26.59 mm	155.45 × 38.89 × 32.15 mm
Weight	20 g	20 g	24 g	45 g	158 g
Power consumption	310 mW	360 mW	360 mW	550 mW	/
Housing Materials	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy

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MOBILE APPLICATIONS - HIKMICRO VIEWER

![HIKMICRO]

WIRELESS ANALYSIS, REPORTING AND SHARING

HIKMICRO Viewer App is A powerful and intuitive APP designed for industrial thermal cameras. It allows thermal inspector to view and capture live streaming infrared video and still images from select HIKMICRO thermal imaging cameras using a mobile device. With the HIKMICRO Viewer, the thermal camera can be placed in an area and operated wirelessly from a distance - helping infrared detection work safely in hard-to-reach locations and harsh work environments. Streaming video and remote access also provide opportunities for decision-makers and others on the team to observe and collaborate during IR surveys. With a powerful reports function, you can efficiently generate reports for your clients in the field.

- Free license
- Scan and Connect Easily
- Download On-Device Images and Video to share

- Live View and Remote Control
- Advanced measurement and image analysis
- Quick reporting and sharing

- Firmware Upgrade
- After-sales contacts and online support services
- Turn screen rotation on and off
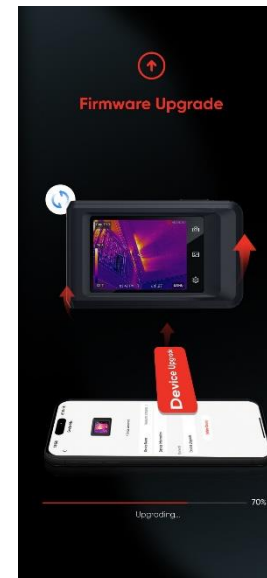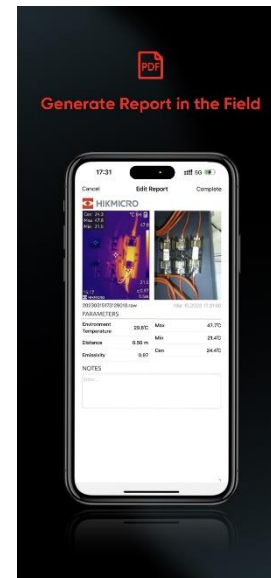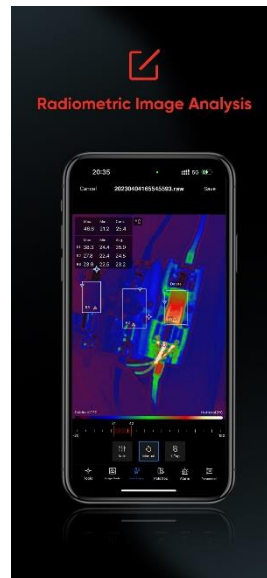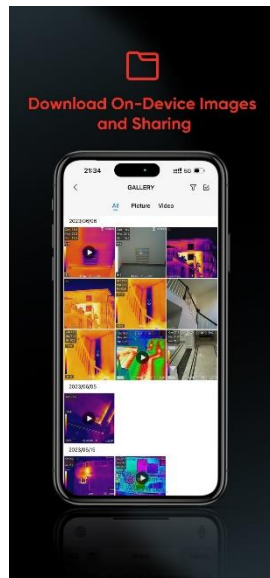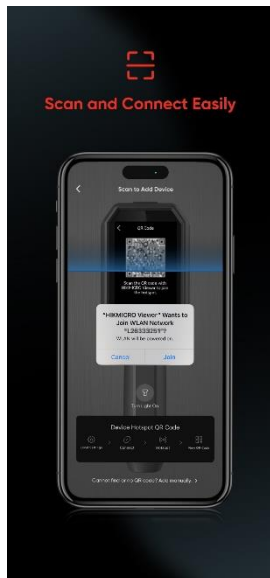
Learn more:
https://www.hikmicrotech.com/en/industrial-products/hikmicro-viewer-software/

THANK YOU

See the World in a New Way

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