



INDUSTRIAL PRODUCT CATALOG

INDUSTRIAL PRODUCT CATALOG

CONTENTS

1

ABOUT HIKMICRO

ABOUT HIKMICRO	04
COMPANY STRENGTHS	05
BUILDING INSPECTION	08
ELECTRIC UTILITIES	09
AUTOMOTIVE	10
ELECTRICAL COMPONENTS	11

2

HANDHELD THERMAL CAMERA

MINI2 SERIES ^{NEW}	14
E SERIES	16
B SERIES	18
POCKET SERIES ^{NEW}	20
M SERIES	22
G SERIES	24
SP SERIES ^{NEW}	28

3

ACOUSTIC CAMERAS

AI SERIES ^{NEW}	34
--------------------------------	----

4

SOFTWARE SUPPORT

HIKMICRO VIEWER	37
HIKMICRO ANALYZER	38
HIKMICRO INSPECTOR	39

ABOUT HIKMICRO

HIKMICRO is a leading provider of thermal imaging equipment and solutions. Specializing in thermal technology innovation, the company offers thermal cores, modules, cameras, total solutions, and also night vision products, which can be used in outdoor, industrial, and security industries globally, serving customers in over 100 countries and regions.



High Image Quality



Smooth Video of
Dynamic Scenes



Accurate Temperature
Measurement



Product Localization
for Global Needs



Thermal Imaging
System Design
Expertise



Local Service and
3-years Warranty



COMPANY STRENGTHS

Free Long Warranty

HIKMICRO provides a 3-10-2 warranty period (from the date of purchase) that exceeds the industry standard level of handheld thermography products. For details, please refer to the following:

- ◆ 3 years components and labor coverage for the full product
- ◆ 10 years of coverage for the detector - the most important part of the whole product!
- ◆ 2 years of coverage for the rechargeable battery if applicable



Local Repair Service

- ◆ HIKMICRO provides customers with comprehensive maintenance services to ensure the stable operation of your products and respond to failures in the shortest possible time, minimizing camera downtime.

Local Support and Training Service

- ◆ 11 international subsidiaries and local offices provides localized marketing and technical support. Professional technicians train the staff of authorized stores regularly.
- ◆ HIKMICRO provides immediate technical consultation via official site, email and 24 hours hotline.

Calibration Services

- ◆ The factory calibration of thermal imaging cameras is usually good for up to 1 to 2 years. In order to maintain the accuracy of the thermal imager, HIKMICRO provides an official calibration and AUTHORIZATION CALIBRATION service for the end users.



COMPANY STRENGTH

| Image Frequency

Up to 50 Hz delivers smooth video and measurements while panning across scenes or viewing moving targets.

| Accuracy

Up to $\pm 2^{\circ}\text{C}$ accuracy and repeatable temperature measurements based on our high stability detector, optics design, and quality control.

| Linear and Histogram Color Distribution

Linear and histogram color distribution is one of the HIKMICRO image enhancement algorithms, which can measure high or low-temperature targets in different scenarios and create sharp thermal images for more accurate and reliable measurements.



| 1-Tap Level & Span

Allows to focus one the area of the image you are interested in by narrowing the span with 1-Tap of the screen.



| SuperIR

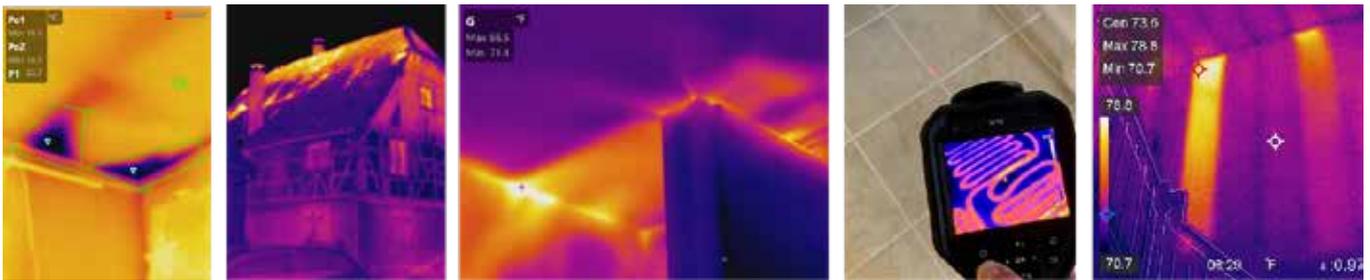
The HIKMICRO SuperIR achieves 4 times more pixels by neural network technology, which not only boosts image quality and enhances the image details, but also reduces the edges jags, and noises.



BUILDING INSPECTION

In building inspections, missing or damaged insulation, building envelope air leaks, and moisture intrusion can be very difficult to find before they become serious enough to damage or destroy building contents. Thermal cameras can and have been utilized in the discovery of otherwise undetectable heat, air, and moisture anomalies in buildings.

WHAT WE SEE



WHAT YOU SEE



ELECTRIC UTILITIES

- ◆ Electrical problems can relate to problems such as loose or over-tight connections, shorted or overloaded circuits, load imbalances, and components that have failed or are fatigued, such as fuses, circuit breakers, transformers, etc.
- ◆ Electrical problems cause a variety of problems. Faulty wiring or components aging may result in electronic damage due to overloading. Electric arcing may cause large-scale fires, which can cause property damage and even civilian injuries.
- ◆ Most electrical problems exhibit a gradual rise in temperature prior to their failure.

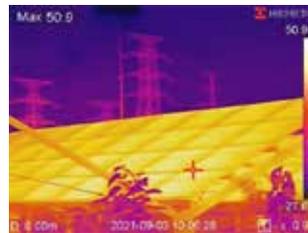
WHAT WE SEE



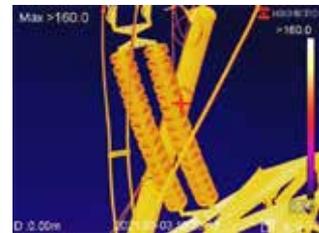
POWER LINE



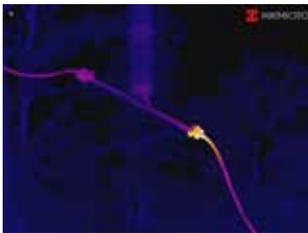
ELECTRICAL



SOLAR PANEL



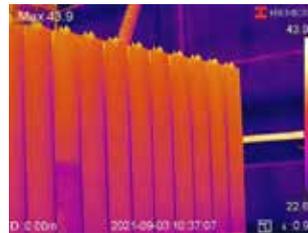
INSULATOR



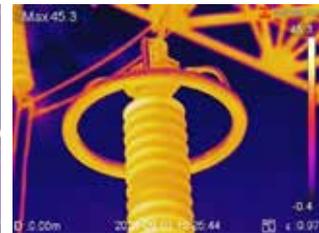
CABLES



ISOLATING SWITCH



TRANSFORMER



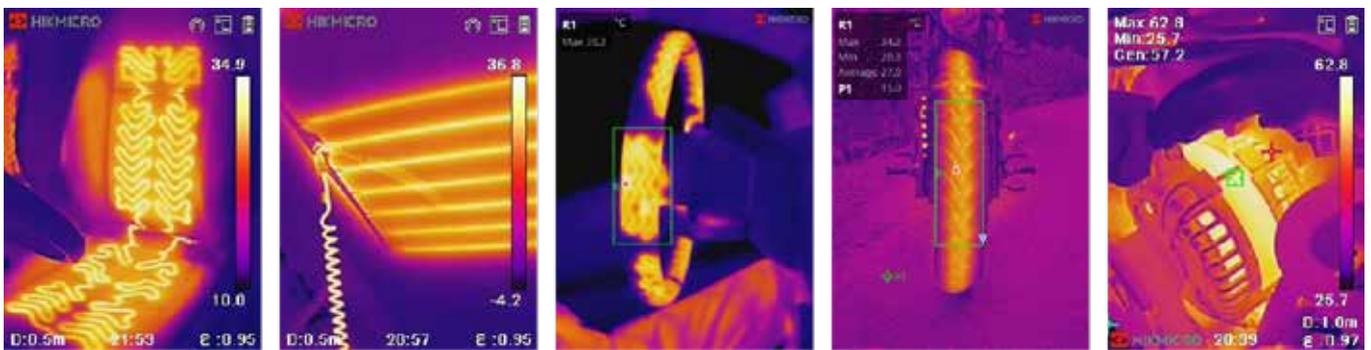
SURGE ARRESTER



AUTOMOTIVE

- ◆ Thermal imaging helps to make defects visible without damaging the device under test on its testing.
- ◆ Moreover, defects and deficiencies of multiple products for the automotive industry are only to be detected through temperature changes. Thus, heated seats, window heating, wheel heating and engine can be tried and tested for their functionality by applying infrared camera systems.

WHAT WE SEE



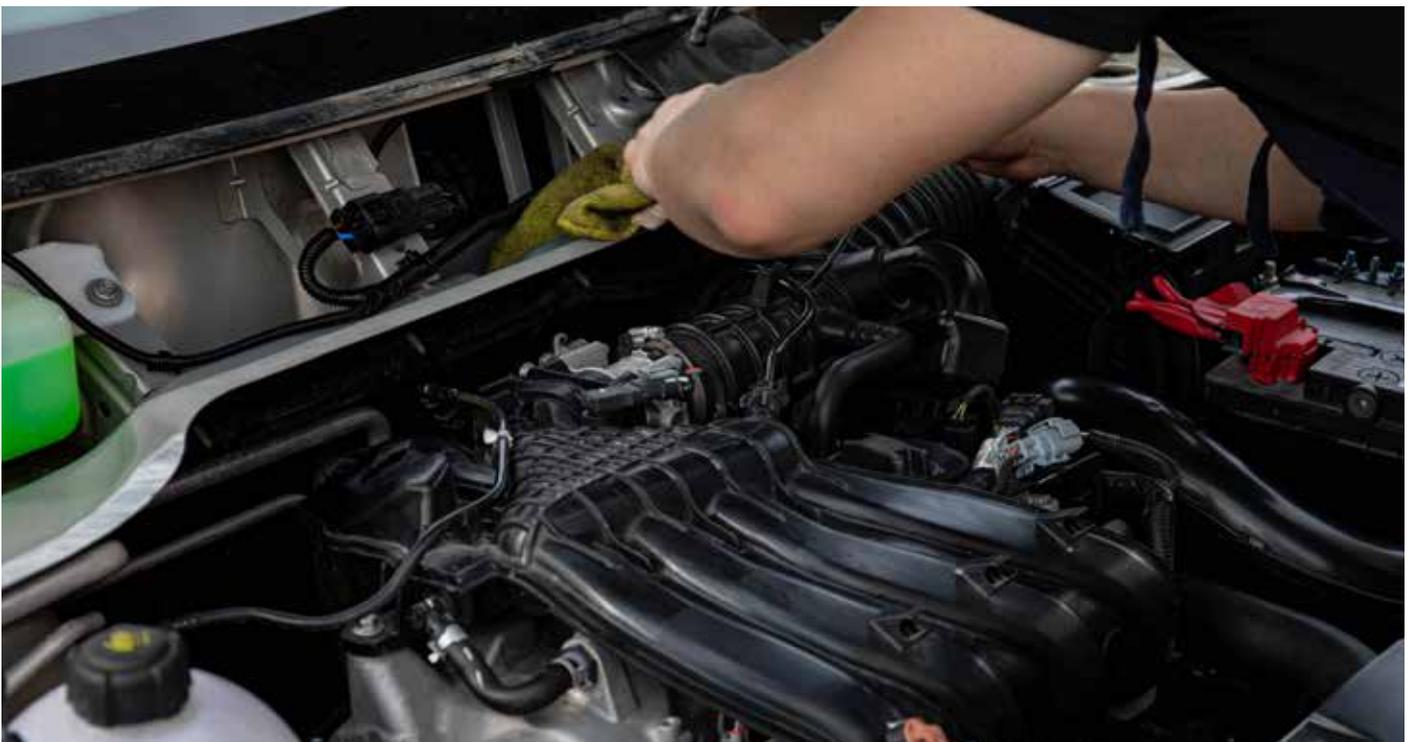
SEATS HEATER

WINDOW HEATER

WHEEL HEATER

FRONT TIRE

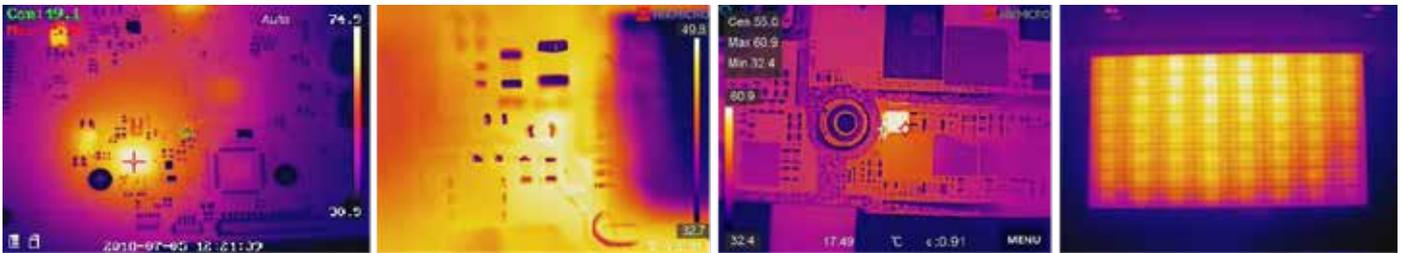
Engine



ELECTRICAL COMPONENTS

- ♦ Various types of tests and inspections are performed through traditional methods to detect defects, problems, and failures in PCBs that require improvement. But traditional methods have usually proven to be low efficiency, health hazards and complicated, and low definition.
- ♦ A thermal imager with a macro lens has proven to be an efficient and reliable tool for solving a wide range of scientific problems. A macro lens is a lens that specifically allows you to focus extremely close to a subject so that it appears large in the display (and in the final image). Get an incredibly detailed image of very small objects so you can gain insight into thermal buildup and dissipation on printed circuit boards, identify a faulty or undersized component, or potentially even pinpoint precise faulty locations on electrical equipment.

WHAT WE SEE



Handheld Thermal Camera

Handheld Thermal Camera

MINI2 SERIES

Make your phone smarter with HIKMICRO Thermal



VISIT OUR WEBSITE

PREMIUM PERFORMANCE, SMALL PACKAGE

Explore your world in thermal with high accuracy

- Features a highly sensitive (NETD < 40 mK) VOx detector with a resolution of 256x192 (49,152) pixels, along with optimized image enhancement algorithms to provide clear thermal images.
- 25 Hz Smooth Video
- Accurately measures temperatures from -20°C (-4°F) to 350°C (662°F), with a temperature accuracy up to ±2°C (±0.5°F) / ± 2 %.
- Weighing only 26 g (0.92 oz), it'll fit in your pocket, tool bag, or anywhere convenient for quick and easy access.



READY FOR ANY JOB OR JUST FOR FUN

Small, easy to carry, and ready 24/7 for almost anything

- Instantly attaches to your smart phone or tablet and ready to go in seconds.
- Mini2 Series is battery free so you'll never need to charge it up or find a charger cable. 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.
- Designed for where you work, live or relax, the Mini Series features IP40-rated aluminum alloy housings, passes strict drop tests up to 1 meter (3.3 feet), and comes with a three-year warranty.



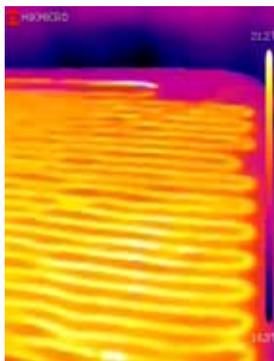
PREMIUM PERFORMANCE, SMALL PACKAGE

Explore your world in thermal with high accuracy

- A 40 cm (15.75 in) extension cord connects between your device and the camera allowing remote viewing, and inspection through narrow, confined openings, or difficult-to-reach places.
- Compatible with our free HIKMICRO Viewer for smartphones providing a user friendly user interface and the link to operating the camera.
- Streaming your thermal camera screen to your PC with minimal effort via HIKMICRO Analyzer. It can't be any simpler to conduct your inspection and analytical work on a larger screen.

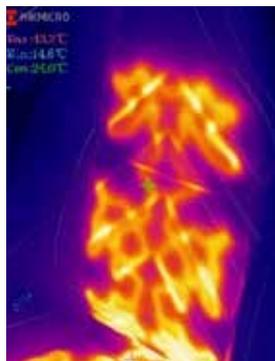


APPLICATIONS



Home Inspection

House Owner or Building Inspector



Automotive Inspection

Automotive Technician



Electrical Inspection

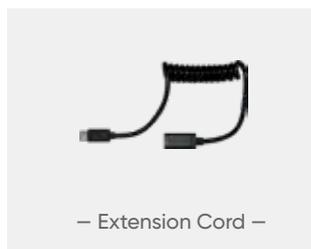
Electrician



PCB Board Detection

Electronic Component Designer

WHAT'S IN THE BOX



Model No		Mini2	Mini2Plus
Infrared Image	IR Resolution	256 × 192 (49,152 pixels)	
	NETD	< 40 mK (@ 25 °C, F#=1.0)	
	Image Frequency	25 Hz	
	Field of View (FOV)	50° × 37.5°	25° × 18.8°
	Focus Mode	Focus Free	Manual Focus
Image Display	Visual Camera	Phone Camera	
Measurement and Analysis	Object Temperature Range	-20 °C to 350 °C (-4°F to 662°F)	
	Accuracy	Max (±2°C/3.6°F, ±2%), applicable 60 sec after start-up when the ambient temperature 15°C to 35°C (59°F to 95°F) and object temperature above 0°C (32°F)	
	Measurement Tools	Center Spot, Hot Spot, Cold Spot	
		User-definable: 3 spots, 1 line, and 3 rectangles.	
General	Weight	Approx. 26 g (0.057 lb)	
	Dimension	42 × 22.5 × 11.2 mm (1.38 × 0.74 × 0.37 in)	26.6 × 26.6 × 24 mm (1.05 × 1.05 × 0.95 in)
	Packing List	Thermal Imager, USB Adaptor, Extension Cord, Protective Case, Quick Start Guide	

E SERIES

Compact easy to use thermal imaging camera for daily operation



Long Battery Life

Reliable 8 hours continuous running.



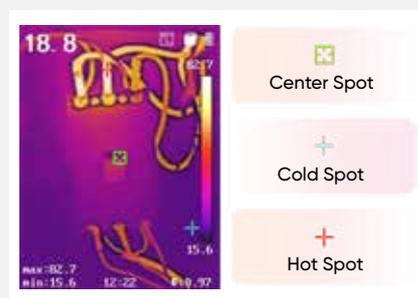
Laser Pointer

Laser Pointer helps show the position of the center point on actual object.



Efficient Temperature Measurement

Track the temperature of the Center Spot, Hot Spot, Cold spot automatically.



Light Weight

350 g (12.4 oz) compact design, easy to carry.



Rugged & Durable Design

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



High Image Quality

A highly sensitive VOx detector (NETD < 40 mK) provides a distinct thermal vision of the target.

APPLICATIONS



Home Inspection

House Owner or Building Inspector



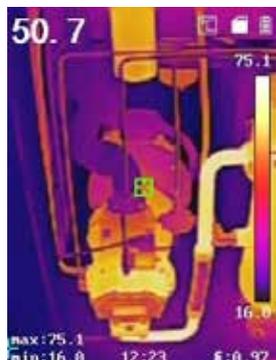
Automotive Inspection

Automotive Technician



Electrical Inspection

Electrician



PCB Board Detection

Electronic Component Designer

WHAT'S IN THE BOX



- Thermal Imager
- Power Supply
- USB 2.0 A to Micro USB Cable
- Calibration Certificate
- 8GB Micro SD card
- Wrist Strap
- International Use Plugs (US/ EU/UK/AU/CN) for Power Supply
- Color Box Packaging
- Quick Start Guide

OPTIONAL ACCESSORIES



E/B Series POUCH
HM-B01-POUCH

Model No	E1L	
Infrared Image	IR Resolution	160 × 120 (19,200 pixels)
	NETD	< 40 mK (@ 25 °C, F#=1.0)
	Image Frequency	25 Hz
	Field of View (FOV)	37.2° × 50°
	Minimum Focus Distance	0.15 m (0.49 ft)
	Focus Mode	Focus Free
Image Display	Display	240 × 320 Resolution, 2.4" LCD Screen
Measurement and Analysis	Object Temperature Range	-20 °C to 550 °C (-4 °F to 1022 °F)
	Accuracy	Max (±2°C/3.6°F, ±2%), for the ambient temp. 15°C to 35 °C (59 °F to 95 °F) and object temp. above 0 °C (32°F)
General	Weight	Approx. 350 g (0.77 lb)
	Battery Operating Time	Approx. 8 hours
	Packing List	Thermal Imager x 1, Wrist Strap x 1, International Charger x 5 (US, UK, EU, AU, CN), USB Cable x 1, 8 GB SD Card x 1, Power Adapter x 1, Quick Start Guide x 1, Calibration Certificate x 1

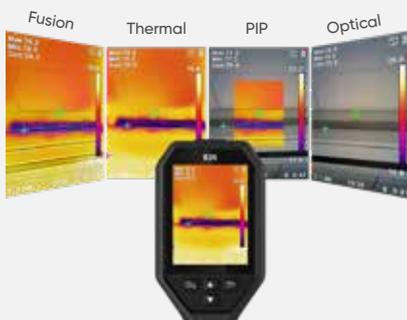
B SERIES

Compact easy to use thermal imaging camera for daily operation



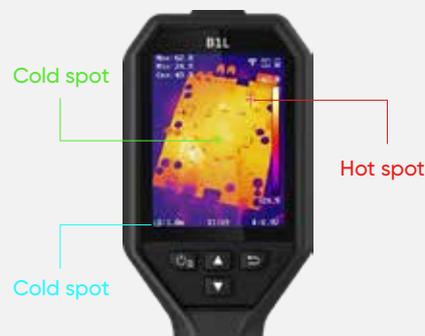
Multiple Image Modes

Thermal, Fusion, PIP and Visual modes to suit your preferred view. (B10, B20 only)



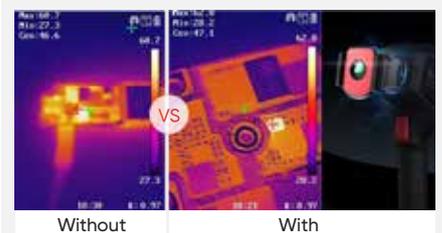
Efficient Temperature Measurement

Track the temperature of Center, Hot, Cold spot and 3 Custom spots automatically.



Innovative Macro Mode

Using a clip-on macro lens, the B series cameras can see details as small as 500 microns and allow you to take accurate temperature readings on small objects, such as components on printed circuit boards or assemblies.



3.2" Color LCD

View the details of your images on the large, class-leading LCD screen.



LED Work Light

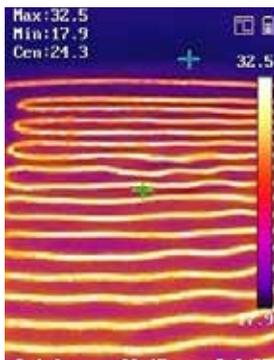
The LED work light allows you to work safely in dim or dark area.



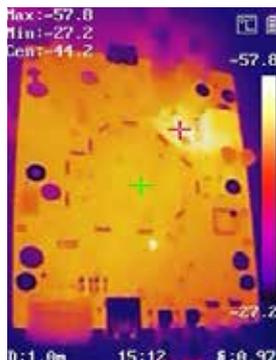
Wi-Fi Connectivity

Connect to mobile devices via built-in Wi-Fi and the HIKMICRO Viewer App to quickly share your images.

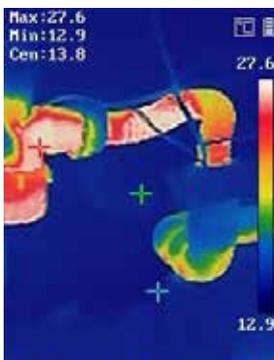
APPLICATIONS



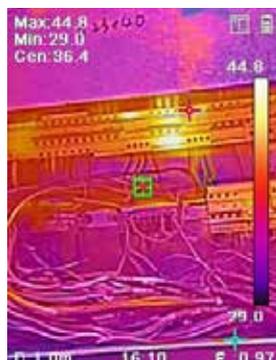
Check Underfloor Heating



Check PCB Circuit Board



Check Underfloor Heating



Check PCB Circuit Board

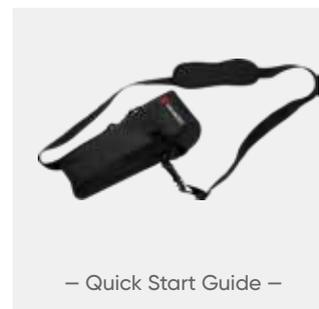
OPTIONAL ACCESSORIES



– Thermal Imager –



– Protective Case –



– Quick Start Guide –

Model No		B1L	B11	B20
Infrared Image	IR Resolution	160 × 120 (19,200 pixels)	160 × 120 (19,200 pixels)	160 × 120 (19,200 pixels)
	NETD	< 40 mK (@ 25 °C, F#=1.0)		
	Image Frequency	25 Hz		
	Field of View (FOV)	32.9° × 44.4°	27.8° × 37.2°	37.2° × 50.0°
	Minimum Focus Distance	0.3 m (0.98 ft)		
	Focus Mode	Focus Free		
Image Display	Visual Camera	N/A	1600 × 1200 (2 MP)	
Measurement and Analysis	Object Temperature Range	-20°C to 550°C (-4°F to 1022°F)		
	Accuracy	Max (±2°C/3.6°F, ±2%), for the ambient temp. 15°C to 35 °C (59 °F to 95 °F) and object temp. above 0 °C (32°F)		
General	Wi-Fi	Approx. 350 g (0.77 lb)		
	Battery Operating Time	Approx. 8 hours	Approx. 6 hours	Approx. 6 hours
	Packing List	Thermal Imager x 1, Wrist Strap x 1, International Charger x 5 (US, UK, EU, AU, CN), USB Cable x 1, Power Adapter x 1, Quick Start Guide x 1, Calibration Certificate x 1		

POCKET SERIES

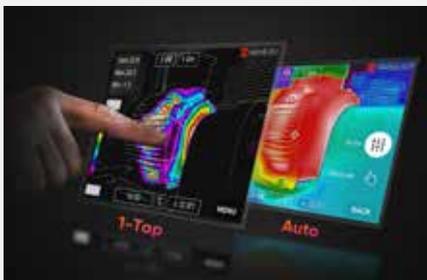
Portable pocket-sized design and fits in any pocket



VISIT OUR WEBSITE

Multiple Level & Span Modes

Three Level & Span modes (manual, automatic, and 1-Tap) help you instantly improve image contrast and highlight potential problems on an intuitive 3.5" LCD Touch Screen.



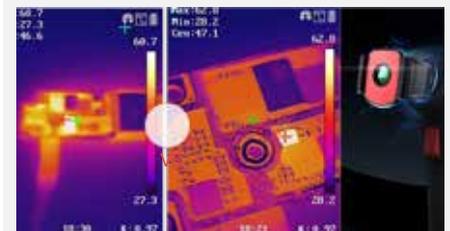
Download on-device images

Track the temperature of Center, Hot, Cold spot and 3 Custom spots automatically.



Innovative Macro Mode

Using a clip-on macro lens, the B series cameras can see details as small as 500 microns and allow you to take accurate temperature readings on small objects, such as components on printed circuit boards or assemblies.



Without

With



On-camera Recording

View the details of your images on the large, class-leading LCD screen.



Continuous Digital Zoom

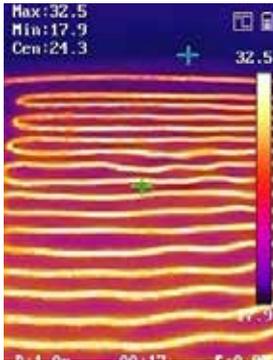
The LED work light allows you to work safely in dim or dark area.



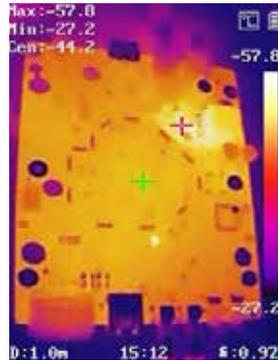
Intuitive Interface

Swipe down for quick settings, as intuitive as the smartphone.

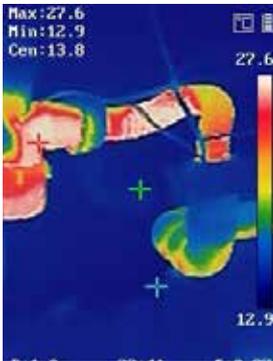
APPLICATIONS



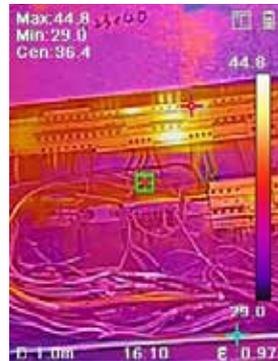
Check Underfloor Heating



Check PCB Circuit Board



Check Underfloor Heating



Check PCB Circuit Board

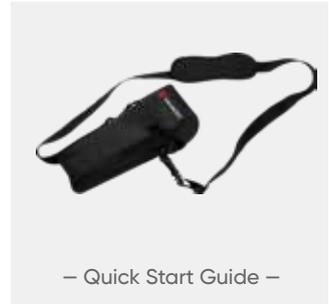
OPTIONAL ACCESSORIES



– Thermal Imager –



– Protective Case –



– Quick Start Guide –

Model No		Pocket2
Infrared Image	IR Resolution	256 × 192 (49,152 pixels)
	NETD	x
	Image Frequency	25 Hz
	Field of View (FOV)	50° × 37.2°
	Minimum Focus Distance	0.3 m (0.98 ft)
	Focus Mode	Focus Free
Image Display	Visual Camera	3264 × 2448 (8 MP)
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 the ambient temp. 15°C to 35 °C (59 °F to 95 °F) and object temp. above 0 °C (32°F)
General	Wi-Fi	802.11 b/g/n (2.4 GHz and 5 GHz)
	Battery Operating Time	Approx. 4 hours
	Packing List	Thermal Imager x 1, Wrist Strap x 1, Power Supply x 1, USB Cable x 1, Quick Start Guide x 1, Calibration Certificate x 1, Soft Carrying Pouch x 1

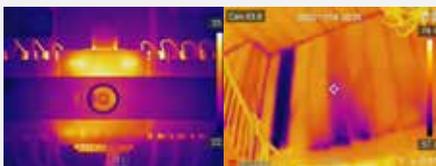
M SERIES

Advanced thermal imaging camera with full function analysis



Multiple Product Options

M series products provide wide-angle and manual focus options. The manual focus with larger focal length option (without "W") is ideal for electrical, HVAC, and mechanical inspection with small components in tight spaces or dangerous area. The broader angle FOV product option (with "W") makes them great for scanning walls, and floors that items on a larger scale.

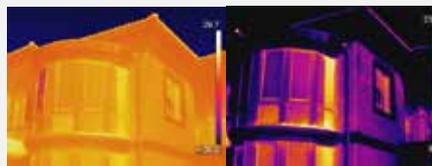


Without "W"

With "W"

1-Tap Level & Span

Quickly highlights the area of the image you are interested in by narrowing the span with one tap on the **3.5" LCD touchscreen**, instantly improving image contrast and highlighting potential problems.



Auto Level & Span

Manual / 1-Tap Level & Span

Interchangeable Battery System

Includes **2 interchangeable Li-ion batteries** and a dual bay charger to provide you with **up to 12 hours** of operation. You can stay powered up for even the longest inspections.



2 interchangeable Li-ion batteries



On-camera Analysis

Offers 17 measurement rules, 7 color alarm palettes and 4 image modes for powerful on-camera analysis.



Radiometric Video Analysis

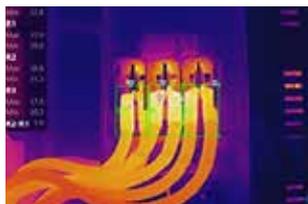
Supports recording of radiometric video in camera SD card storage, including all temperature data, for post analysis on PC software HIKMICRO Analyzer.



Multiple Image Annotations

Leave text or audio annotations within the images instead of taking notes by hand, helping to improve inspection efficiency and productivity.

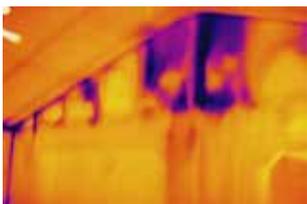
APPLICATIONS



Check Electrical



Check Underfloor Heating



Check Building Insulation



Check Mechanical Status

WHAT'S IN THE BOX



- Thermal Imager with Wrist Strap
- Dismountable and Rechargeable Li-ion Batteries (x2)
- Power Supply for Battery Charger
- Two-bay Battery Charger
- International Use Plugs (US/EU/UK/AU) for Power Supply (x4)
- USB 2.0 A to USB Type-C Cable
- Hard Carrying Case
- Calibration Certificate / Quick Start Guide
- 16GB Micro SD card(M10/M20/M20W) / 64GB Micro SD card(M30)

OPTIONAL ACCESSORIES



– Battery –
E097-13-1S1P26650



– Pouch –
HM-SP01-POUCH



– 2-Bay Battery Charger –
HM-5202ZC

Model No		M11W	M11	M20W	M20	M30	
Infrared Image	IR Resolution	192 × 144 (27,648 pixels)			256 × 192 (49, 152 pixels)		384 × 288 (110,592 pixels)
	NETD	< 40 mK (@ 25 °C, F#=1.0)					< 35 mK (@ 25 °C, F#=1.0)
	Image Frequency	25 Hz					
	Field of View (FOV)			50° × 37.2°	25° × 18.8°	37.5° × 28.5°	
	Minimum Focus Distance			0.5 m (1.64 ft)	0.1 m (0.33 ft)	0.2 m (0.65 ft)	
	Focus Mode	Focus Free	Manual Focus	Focus Free	Manual Focus	Manual Focus	
Image Display	Visual Camera	3264 × 2448 (8 MP)					
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 the ambient temp. 15°C to 35 °C (59 °F to 95 °F) and object temp. above 0 °C (32°F)					
General	Wi-Fi	802.11 b/g/n (2.4 GHz and 5 GHz)					
	Battery Operating Time	Approx. 6 hours	Approx. 6 hours	Approx. 6 hours	Approx. 6 hours	Approx. 4 hours	
	Packing List	Thermal Imager x 1, Wrist Strap x 1, International Charger x 5 (US, UK, EU, AU, CN), Power Adapter x 1, Charging Base x 1, Rechargeable Battery x 2, Type-C Cable x 1, 16 GB Micro SD card (M11/M11W/M20/M20W)/ 64 GB Micro SD card (M30) x 1, Hard Carrying Case with Shoulder Strap x 1, Quick Start Guide x 1, Calibration Certificate x 1					

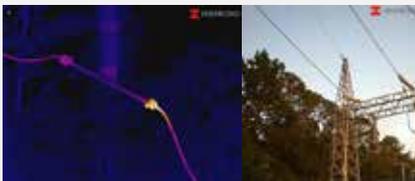
G SERIES

Professional thermal imaging camera with top performance image and full analysis



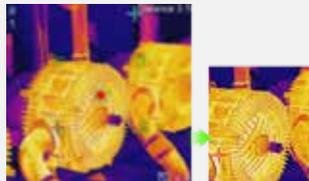
Ultra High Resolution

A highly sensitive HIKMICRO VOx detector (NETD < 35 mK) with 640 x 512 (327,680 pixels) IR resolution, provides a distinct thermal image of the target.



4 Diversified Focus Modes

Faster inspections, sharper images, and greater accuracy.



Embedded Laser Distance Meter

An integrated laser distance meter offers quick measurement of distances up to 50m (164ft) and area measurement (m² or ft²), more convenient in setting parameters and generating the report.



Interchangeable Lenses

Enhance your camera's capabilities with optional **auto-recognition interchangeable lenses (0.5X, 2X, 3.3X)** to complete coverage of narrow, or distant targets.



Simplify Inspection Process

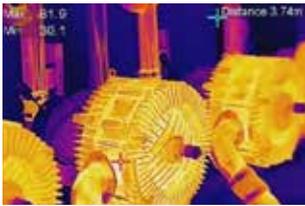
Using the included HIKMICRO Inspector PC Software, you can simplify the inspection process by pre-planning your inspection routes, downloading them directly to the camera, and guide you from location to location while collecting imagery at each station.



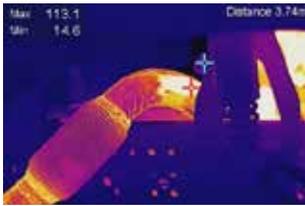
Interchangeable Battery System

Includes 2 interchangeable Li-ion batteries and a dual bay charger to provide you with up to 8 hours of operation. You can stay powered up for even the longest inspections.

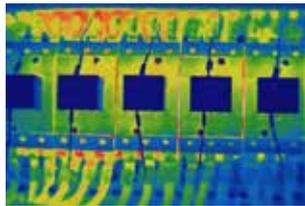
APPLICATIONS



Mechanical Instrument Inspection



Oil Pipe Inspection



Electrical Cabinet Inspection



Power Industry Inspection

WHAT'S IN THE BOX



- Thermal Imager
- Hand Strap
- Rubber Front Lens and Light Protection Cap Strap
- Hand Strap Brackets (Left and Right)
- Tool Package
- Dismountable and Rechargeable Li-ion Batteries (x2)
- Power Supply for Battery Charger
- Two-bay Battery Charger
- International Use Plugs (US/EU/UK/AU) for Power Supply (x4)
- USB 2.0 A to USB Type-C Cable
- Mini HDMI to HDMI Cable
- CVBS Cable
- Hard Carrying Case
- Calibration Certificate
- Quick Start Guide
- 64GB Micro SD card

OPTIONAL ACCESSORIES



– Battery –
INR18650-35E-1S2P



– Sun Shield –
HM-701ZJ-G01-SHIELD



– 2-Bay Battery Charger –
HM-5202ZC2



– Pouch –
HM-SP01-POUCH

MULTIPLE INTERCHANGEABLE LENS CHOICES

Professional thermal imaging camera with top performance image and full analysis

Wide Angle Lens

Sometimes there is not enough space to take a step back and see the whole picture. This wide-angle lens has almost twice the field of view of the standard lens. This lens is ideal for building inspections or other applications where broad or high goals are required.

Standard Lens

The standard lens is ideally suited for a wide range of applications. Unless otherwise specified, this lens is included in your HIKMICRO Gxx Series handheld thermography camera.

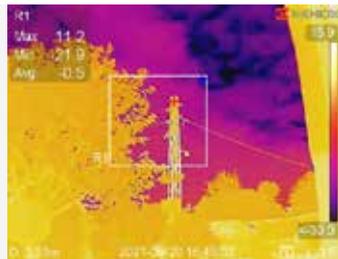
Telephoto Lens

The telephoto lens is a widely used lens accessory that can provide up to 3.3x magnification compared to the standard lens. Ideal for small or distant targets such as power lines, manufacturing, and mining equipment, etc.



Wide Angle 0.5X

HM-G605-LENS

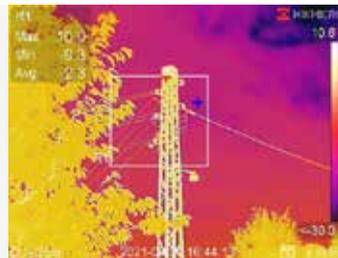


Focal Length	13mm
FOV (Field of View)	48.2°(H) x 38.5°(V) @G60 35.4°(H) x 26.2°(V) @G40
Accuracy	Max (±3°C/5.4°F, ±3%)
Minimum Focus Distance	0.2 m (0.66 ft)



Standard Lens

Included with G series cameras

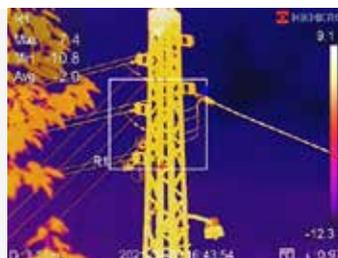


Focal Length	25mm
FOV (Field of View)	25°(H) x 19°(V) @G60 19°(H) x 14°(V) @G40
Accuracy	Max (±2°C/3.6°F, ±2%)
Minimum Focus Distance	0.3 m (0.98 ft)



Telephoto 2X

HM-G620-LENS

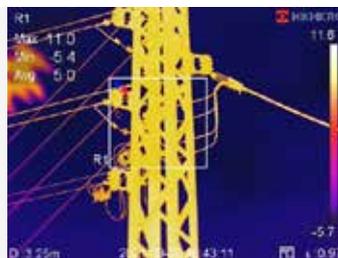


Focal Length	50mm
FOV (Field of View)	12.5°(H) x 10.0°(V) @G60 9.3°(H) x 7.0°(V) @G40
Accuracy	Max (±3°C/5.4°F, ±3%)
Minimum Focus Distance	1.2 m (3.94 ft)



Telephoto 3.3X

HM-G630-LENS



Focal Length	82mm
FOV (Field of View)	7.6°(H) x 6.1°(V) @G60 5.7°(H) x 4.3°(V) @G40
Accuracy	Max (±3°C/5.4°F, ±3%)
Minimum Focus Distance	3.2 m (10.50 ft)

WHAT'S IN THE BOX



Model No		G40	G60
Infrared Image	IR Resolution	480 × 360 (172,800 pixels)	640 × 480 (307,200 pixels)
	NETD	< 35 mK (@ 25 °C, F#=1.0)	
	Image Frequency	50 Hz	
	Field of View (FOV)	18.7° × 14°	25° × 19°
	Minimum Focus Distance	0.2 m (0.65 ft)	
	Focus Mode	Touch AF/Laser Assisted AF/Continuous AF/AF/Manual Focus	
Image Display	Visual Camera	3264 × 2448 (8 MP)	
Measurement and Analysis	Object Temperature Range	-20°C to 650°C (-4°F to 1202°F)	
	Accuracy	Max. (± 2°C/3.6°F, ± 2%)	
General	Wi-Fi	802.11 b/g/n (2.4 GHz)	
	Battery Operating Time	Approx. 4 hours	
	Packing List	Thermal Imager x 1, Hand Strap x 1, International Charger x 4 (US, UK, EU, AU), Power Adapter x 1, Charging Base x 1, Rechargeable Battery x 2, Type-C Cable x 1, CVBS Cable x 1, 64 GB Micro SD Card x 1, Lens Cover x 1, Hard Carrying Case x 1, Tools Package x 1, Quick Start Guide x 1, Calibration Certificate x 1	

SP SERIES

Ultra-high performance and maximum flexibility thermal camera for exports



Super Resolution

With HIKMICRO Super Resolution, SP series cameras with 640 x 480 resolution detectors can capture ultra-sharp images with 4X pixels (1280 x 960), improving image quality, and allowing for more detailed analysis on smaller or distant targets.



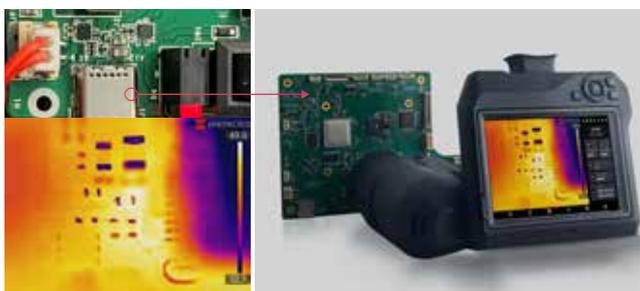
Flexible Rotating Lens and Screen

The 90° rotating screen and the 180° rotating lens design help to easily view the area around, between, above, or below the target.



Detect Tiny Faults

See details as small as 20µm with a macro lens, allowing you to take accurate temperature readings on small objects, such as components on printed circuit boards or assemblies.



One-second Fast Focusing

Supports 4 types of focus modes (Laser-assisted AF, Continuous AF, AF, and Manual Focus) and one-second fast focusing speed helps to save time by giving sharper images, resulting in more accurate temperature measurements.



Ultra-high Temperature Range

With a measurement range of up to 2200°C (3992°F)*, it can handle industrial furnace applications, refractory, and inspecting tools/fixtures in metal smelting at these extreme temperatures.



*SPxxH only

Designed for Outdoors

Features IP54 rugged housing, 1024 x 768 OLED electronic viewfinder, and auto-brightness 5" color LCD touch display make it easy to conduct outdoor inspections under bright, challenging light and tough conditions.



Multiple Image Annotations

Add 60-second voice clips or 200 text characters notes to your images for later review and reminders. The camera automatically adds GPS and compass directions for geolocation location and orientation.



Multiple Image Modes

Thermal, Fusion, PIP and Optical modes to suit your preferred view.



Simplify Inspection Process

Using the included HIKMICRO Inspector PC Software, you can simplify the inspection process by pre-planning your inspection routes, downloading them directly to the camera, and guide you from location to location while collecting imagery at each station.



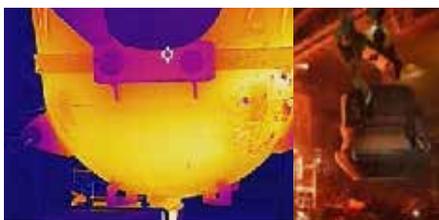
Radiometric Video Analysis

Record radiometric video (temperature data) to the onboard SD card, for post analysis on your PC. Works seamlessly with HIKMICRO Analyzer software for intuitive viewing, advanced analysis, and processing of thermal data.

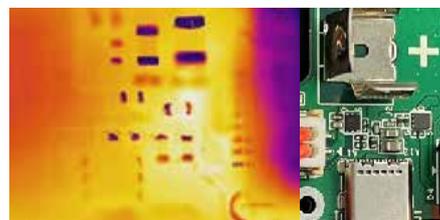
APPLICATIONS



Utility Inspection



Steel Mill Inspection



Electronic Testing

WHAT'S IN THE BOX

- Thermal Imager
- Hand Strap
- Neck Strap
- Rubber Viewfinder Cap
- Camera Lens Caps
- Interchange and Rechargeable Li-ion Batteries (x2)
- Power Supply for Battery Charger
- Two-bay Battery Charger
- International Use Plugs (US/EU/UK/AU) for Power Supply (x4)
- USB 2.0 A to USB Type-C Cable
- Mini HDMI to HDMI Cable
- USB Type-C Cable to USB Type-C Cable
- Hard Carrying Case
- Calibration Certificate
- Quick Start Guide
- 64GB SD card
- Lenses (according to the ordering model)





OPTIONAL ACCESSORIES

<p>HM-SP630-LENS 3X Ultra Telephoto Lens</p>  <p>77.4mm 0.25ft 8°(H)*6°(V)</p>	<p>HM-SP620-LENS 2X Telephoto Lens</p>  <p>51.4 mm 0.16ft 12°(H) x9°(V)</p>	<p>HM-SP610-LENS 1X Standard Telephoto Lens</p>  <p>25 mm 0.08ft 24.8°(H)*18.7°(V)</p>	<p>HM-SP605-LENS 0.5X Wide Angle Lens</p>  <p>12.6 mm 0.04ft 50°(H) *37.3°(V)</p>	<p>HM-SP620-MACRO 20µm Macro Lens</p>  <p>20µm minimum imaging target size 3cm focusing distance</p>
<p>HM-20322ZC</p> <ul style="list-style-type: none"> • Power Supply for Battery Charger • Two-bay Battery Charger • International Use Plugs (US/EU/UK/AU) for Power Supply (x4) 	<p>HM-7250DC</p> <ul style="list-style-type: none"> • Interchange and Rechargeable Li-ion Battery 	<p>HM-SP01-POUCH</p> <ul style="list-style-type: none"> • M/G/SP Series Pouch 		

Model No		SP40	SP40H	SP60	SP60H
Infrared Image	IR Resolution	480 × 360 (172,800 pixels)		640 × 480 (307,200 pixels)	
	Super Resolution	960 × 720 (691,200 pixels)		1280 × 960 (1,228,800 pixels)	
	NETD	< 30 mK (@ 25 °C, F#=1.0)			
	Image Frequency	25 Hz			
	Field of View (FOV)	L8: 8° × 6°; L12: 12° × 9°; L25: 50° × 37.3°; L25: 24.8° × 18.7°			
	Focus Mode	Laser Assisted AF/Continuous AF/AF/Manual Focus			
Image Display	Visual Camera	3264 × 2448 (8 MP)			
	Display	1280 × 720 Resolution, 5" LCD Touch Screen			
Measurement and Analysis	Object Temperature Range	-20°C to 650°C (-4°F to 1202°F)	-40°C to 2200°C (-40°F to 3992°F)	-20°C to 650°C (-4°F to 1202°F)	-40°C to 2200°C (-40°F to 3992°F)
	Accuracy	Max. (± 2°C/3.6°F, ± 2%)			
General	Wi-Fi	802.11 b/g/n (2.4 GHz and 5 GHz)			
	Packing List	Thermal Imager x 1, Hand Strap x 1, Neck Strap x 1, Rubber Viewfinder Cap x 1, International Charger x 4 (US, UK, EU, AU), Power Adapter x 1, Charging Base x 1, Interchangeable and Rechargeable Battery x 2, Type-C Cable x 1, Mini HDMI to HDMI Cable x 1, 64 GB SD Card x 1, Lens Cap x 1, Hard Carrying Case x 1, Tools Package x 1, Quick Start Guide x 1, Calibration Certificate x 1			

Acoustic Cameras

Preventive measurements are required in many industrial scenarios to ensure the proper operation of equipment. Acoustic Camera is a professional product for sound source localization. It provides an easy and effective way to locate pressurized air leaks in industrial environments or detect partial discharge in high-voltage systems. It can be used by collecting sound and filtering noise, the results presented on top of a digital picture allow you to quickly find the source of the problems. even in factories, substations, or the oil and gas industry. Adopting Acoustic camera can discover potential safety risks, minimize troubleshooting, and save extra costs of equipment failures and downtime.



AI SERIES

Professional thermal imaging camera with top performance image and full analysis



64 Microphones, Real-time Sound Visualization

With 64 Low-noise MEMS microphones and adjustable bandwidth range from 2 kHz to 60 kHz, AI56 provides an easy and effective way to locate the pressurized air leaks in industrial environments or detecting partial discharge in high-voltage systems



Maximize Energy Savings

Adopting this lightweight and easy-to-use tool, you can discover the potential safety risks, minimize troubleshooting, and save extra costs of equipment failures and downtime.



Automatic Noise and Interference Filtering

Signal-to-noise ratio up to 70dB, noise filtering through algorithm. the larger the value indicates that the noise in the link is smaller relative to the effective signal.



Interchangeable Lenses

Enhance your camera's capabilities with optional **auto-recognition interchangeable lenses (0.5X, 2X, 3.3X)** to complete coverage of narrow, or distant targets.



Simplify Inspection Process

Using the included HIKMICRO Inspector PC Software, you can simplify the inspection process by pre-planning your inspection routes, downloading them directly to the camera, and guide you from location to location while collecting imagery at each station.



Real-time text and voice annotation

Voice note Max. 60 Seconds , text note Max. 200 Characters.

APPLICATIONS



Partial Discharge Detection



Gas Leakage Detection

WHAT'S IN THE BOX



- Acoustic Imaging Camera (x1)
- Power Adapter (x1)
- USB Cable (x1)
- MIC Protective Case (x1)
- Battery (x3)
- Adapter (x4)
- HDMI Cable (x1)
- Accessories Bag (x1)
- Charging Base (x1)
- Hand Strap (x1)
- SD Card (x1)
- Quick Start Guide (x1)
- Carrying Case (x1)

Model No		AI56
Acoustic	Number of Microphones	64
	Bandwidth	2kHz~65kHz
	Distance	0.3m~100m
	Camera FOV	51.8°× 36.4°
	Leak Rate	>0.008 l/min @ 6 bar from 0.5 m (1.64 ft) >0.013 l/min @ 5 bar from 1 m (3.28 ft)
	Signal Noise Ratio	70dB
Optical Module	Field of View (FOV)	51.8°× 36.4°
Image Display	Display	800 × 480 Resolution, 4.3"LCD Touch Screen
	Digital Zoom	1.0x to 8.0x continuous
General	Weight	Approx. 940 g (2.07 lb)
	Battery Operating Time	Approx. 3.5 hours
	Packing List	Acoustic Imaging Camera x 1, Hand Strap x 1, Hand Strap Brackets (Left and Right) x 2, Screw x 3, Torx Screwdriver x 1, Tripod Mount Adapter x 1, Dismountable and Rechargeable Li-ion Batteries x 2, Charging base x 1, Power adapter x 1, International Use Plugs (US/EU/UK/AU) for Power Supply x 4, HDMI cable x 1, USB Cable x 1, Hard Carrying Case x 1, MIC protective case x 1, Quick Start Guide x 1, User Manual (Amazon or optional) x 1, 64GB Micro SD card x 1

Software Support

Preventive measurements are required in many industrial scenarios to ensure the proper operation of equipment. Acoustic Camera is a professional product for sound source localization. It provides an easy and effective way to locate pressurized air leaks in industrial environments or detect partial discharge in high-voltage systems. It can be used by collecting sound and filtering noise, the results presented on top of a digital picture allow you to quickly find the source of the problems. even in factories, substations, or the oil and gas industry. Adopting Acoustic camera can discover potential safety risks, minimize troubleshooting, and save extra costs of equipment failures and downtime.

HIKMICRO VIEWER

WIRELESS ANALYSIS, REPORTING AND SHARING



The HIKMICRO Viewer is a powerful and intuitive mobile application designed to help users wirelessly stream video, analyze thermal images and video, quickly create reports and share with customers and coworkers in the field. It allows you to import stored files from the camera to the mobile device. Use the app to thermally adjust levels and spans with one touch, change color palettes, adjust parameters, and more.

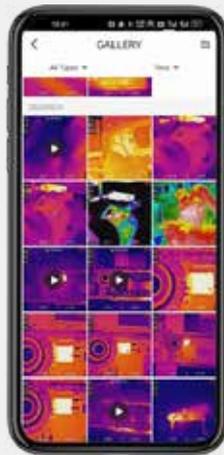
- ◆ Free license
- ◆ Screen Stream Mirroring
- ◆ Import images and videos from camera
- ◆ Advanced measurement and image analysis
- ◆ Quick reporting and sharing
- ◆ After-sales contacts and online support services



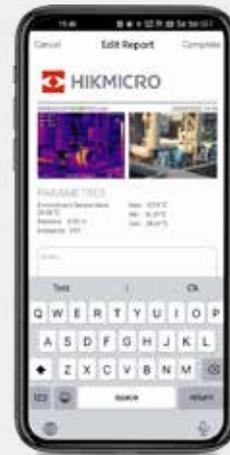
Image manipulation and analysis



Import images from your HIKMICRO camera



Generate reports in the field



Download at:

www.hikmicrotech.com/en/industrial.html

HIKMICRO ANALYZER



EFFICIENT, POWERFUL THERMAL ANALYSIS AND REPORTING

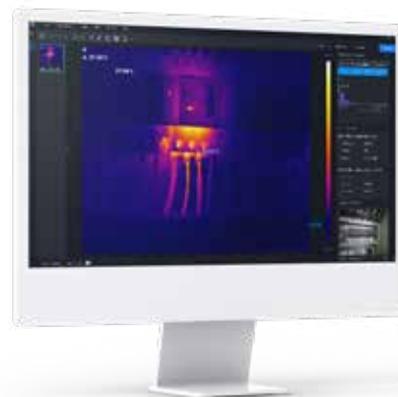
HIKMICRO Analyzer is a powerful and free licensed PC software designed to help users manage and analyze thousands of thermal images and videos and quickly create professional reports. Compatible with files from HIKMICRO handheld thermal cameras, providing the features you need to simplify your workflow and increase your productivity.

- ◆ Free license
- ◆ Import, edit and manage files
- ◆ View, edit and analysis radiometric images and videos
- ◆ Advanced measurement and image analysis
- ◆ Batch processing with all image and measurement controls
- ◆ Quick reporting with pre-defined or customized templates

THERMAL IMAGE ON SITE



ANALYSIS ON COMPUTER



EXPORT REPORT



[VISIT OUR WEBSITE](#)

HIKMICRO INSPECTOR



SIMPLIFY AND ORGANIZE INSPECTION WORKFLOWS

HIKMICRO Inspector is a powerful and free licensed PC software designed to help inspectors simplify the inspection process and complete it efficiently. It allows you to pre-plan your inspection routes, download and run them directly to a HIKMICRO inspection route-enabled camera*, and guide you from location to location while collecting imagery at each station. Once you've completed an inspection, you can import images, data, and annotations into the HIKMICRO analyzer for professional analysis and report generation, cutting reporting time.

- ◆ Free license
- ◆ View, edit and manage inspection routes
- ◆ Pre-plan your inspection routes
- ◆ Link to HIKMICRO Analyzer for image analysis and report generation

PRE-PLAN YOUR INSPECTION ROUTES



THERMAL INSPECTION ON SITE

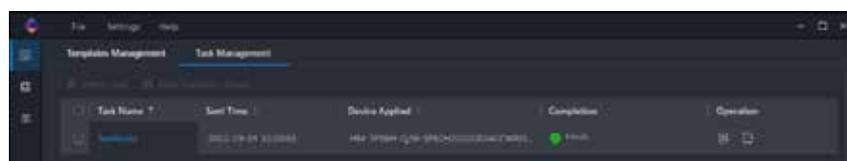


*Only G series and SP series cameras with the latest firmware

-  Pending
-  Normal
-  Exception



ANALYSIS AND REPORTING





SEE THE WORLD IN A NEW WAY