HIKMICRO INDUSTRIAL PRODUCT

SEE THE WORLD IN A NEW WAY

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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.

COMPANY STRENGTHS

Industry Leading 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.

Local Repair Service

- HIKMICRO provides customers with comprehensive maintenance services and responds to failures in the shortest possible time, minimizing camera downtime.

Local Support and Training Service

- International subsidiaries and local offices provides localized marketing and technical support. Professional technicians train the staff of authorized stores regularly.
- HIKMICRO provides technical consultation via the official website, email, and 24-hour hotline.

Global Calibration Services

- HIKMICRO is pleased to offer calibration services through one of our global sites or factory-authorized service centers. Contact your local office for details.

PRODUCT STRENGTHS

Image Frequency

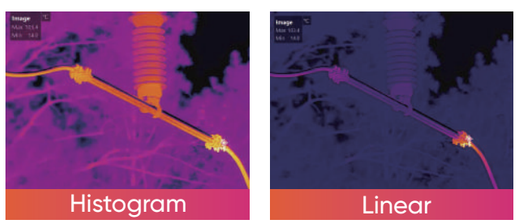
With a minimum of 25 Hz and some systems up to 50 Hz, you'll experience ultra-smooth video and measurements while panning across scenes or viewing moving targets.

Accuracy

Up to ±1°C accuracy and repeatable temperature measurements based on our high stability detector, optics design, and quality control.

HIKMICRO advanced algorithms

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.

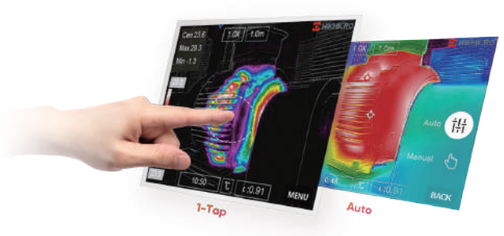


Sensitivity

< 0.04°C smallest measurable temperature difference, it is easier to detect the subtle heat losses or overheating in buildings, electrical systems, etc.

1-Tap Level & Span

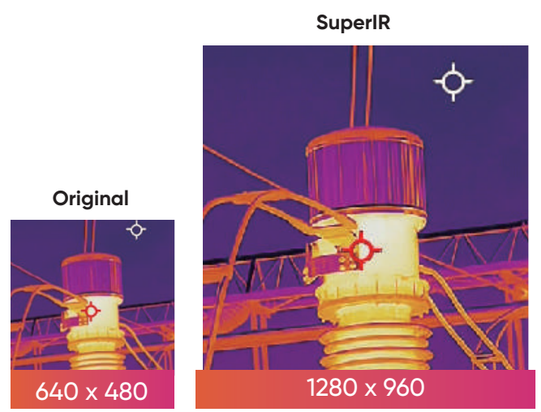
Allows you to focus on one area of the image by narrowing the span with 1-Tap of the screen and reducing background noise.



SuperIR

HIKMICRO SuperIR achieves up to 4 times more

pixels through our proprietary neural network technology, which boosts image quality, enhances image details, sharpens edges, and reduces image noise.



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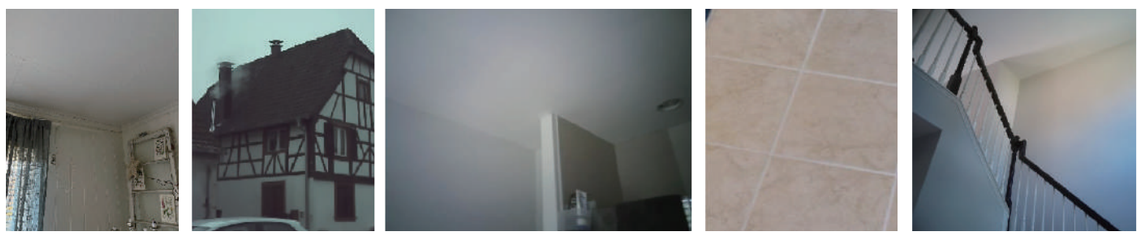
BUILDING INSPECTION APPLICATION

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 all types of structures.

WHAT WE SEE

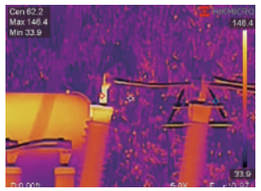


Water Leaks | Heat Loss | Air Lraks | Radiant Floor Heating | Insulation Voids

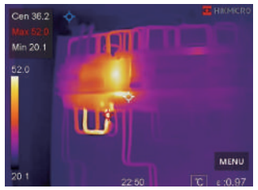
ELECTRIC UTILITIES APPLICATION

Managing equipment and assets associated with the transmission and distribution of electrical energy is critical to long term system efficiency and safety. Thermal imaging enables added safety inspections, proactively inspect, monitor, and plan for routine maintenance before small issues become catastrophic.

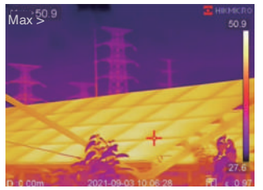
WHAT WE SEE



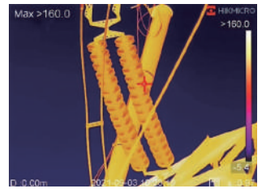
Hot Bushing



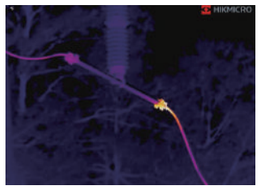
Hot Breaker



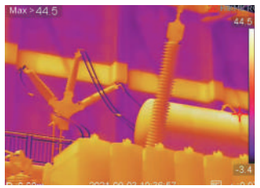
Solar Panel Inspection



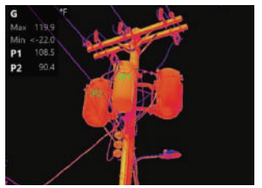
Insulator



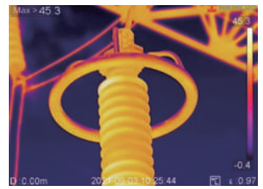
Connector Issues



Isolating Switch



Transformer Temp

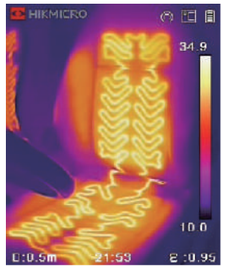


Surge Arrester

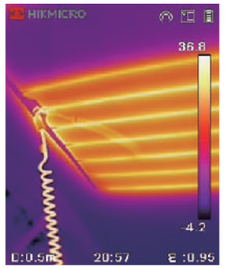
AUTOMOTIVE APPLICATION

Thermal imaging brings hidden details to the forefront and isolates the issues prior to any disassembly saving countless hours in the process. Quickly check items including passenger comfort systems, defog/deice operations, parasitic voltage draw, bearings/gears, cooling/radiators, exhaust systems, tire wear, and differences in combustion processes between cylinders.

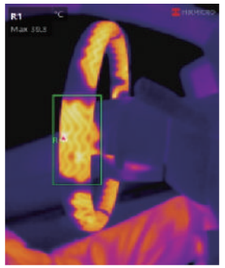
WHAT WE SEE



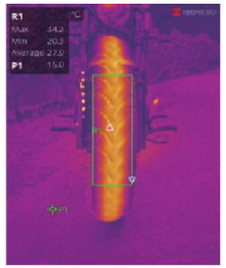
Seats Heater
Seat Heater Operation



Window Heater



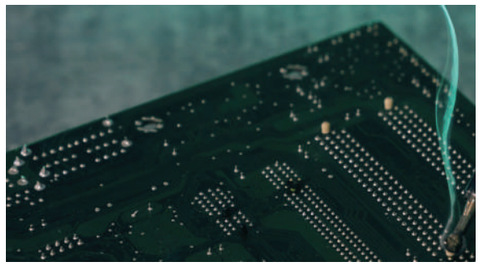
Wheel Heater
Steering Wheel Heat



Front Tire
Tire Heat And Wear Pattern

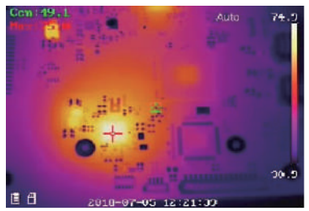
Engine
Engine Systems

ELECTRICAL COMPONENTS APPLICATION

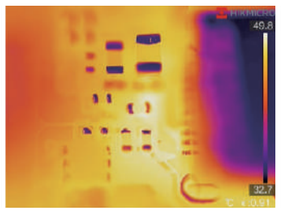


Various types of tests and inspections are performed through traditional methods to detect defects, problems, and failures in PCBs that require improvement. But traditional methods have usually proven to be low efficiency, health hazards, complicated, and low definition.

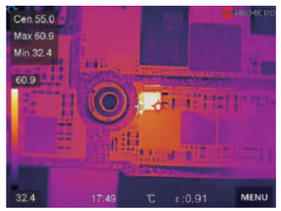
WHAT WE SEE



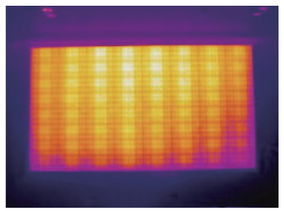
PCB



PCB



PCB



PCB

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INDUSTRIAL HANDHELD THERMAL CAMERAS

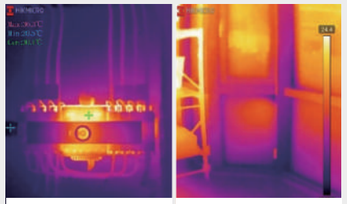
Industrial handheld thermal cameras are an ideal solution that provides accurate non-contact temperature measurement and heat distribution image display for electrical predictive maintenance, building inspection, HVAC inspection, manufacturing monitor, etc. HIKMICRO's industrial handheld thermal cameras have been used widely in detecting temperature anomalies before a fire starts, detecting radiator efficiency for HVAC inspection, searching for heat loss in buildings, and finding hot spots and invisible defects on mechanical or electrical systems that could indicate a potential problem. They are also used for surveying areas that are hard to reach with conventional measurement tools.

MINI2 SERIES

Make your phone smarter with HIKMICRO Thermal

Multiple Product Options

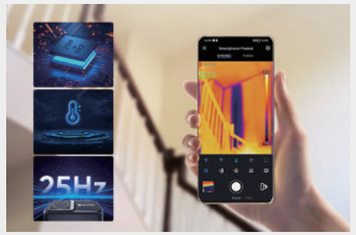
The Mini2 series offers wide-angle and manual focus options. The Mini2Plus with manual focus lens provides a clear view of small objects such as electronic components or distant larger objects like electrical or mechanical equipment from a safe distance. The Mini2 with its 50° wide-angle lens is ideal for quickly scanning walls, facades, and large objects.



Mini2Plus | Mini2

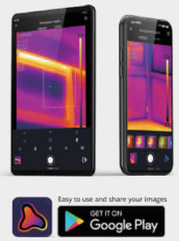
Superior Image Clarity & Smooth Video

With 256x192 IR resolution/49,152 pixels and thermal sensitivity <0.04°C sensor, it provides higher-definition images, and it is easier to spot subtle heat loss or gain in the electrical system not visible to the naked eye. 25 Hz image refresh provides a smooth image and video while panning across scenes or viewing moving items.



Professional Viewer APP

Compatible with our free HIKMICRO Viewer APP for Android (Type-C) smartphones or tablets. It provides a user-friendly user interface and powerful temperature measurement and analysis functions, including Infrared/Fusion Image Mode, 15 Color Palettes, 9 measurement areas, and image share.



User-Friendly Experience

Instantly attaches to your Android smartphone or tablet and is ready to go in seconds. The HIKMICRO 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.

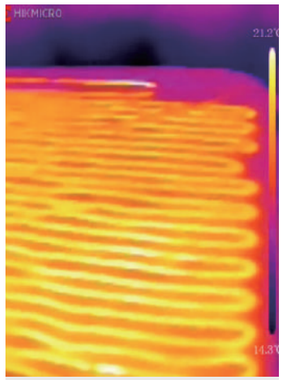
Portable yet Durable

Designed for where you work, live, or relax. It'll fit in your pocket, tool bag, or anywhere convenient for quick and easy access. With IP40-rated aluminum alloy housings, pass strict drop tests up to 1 meter (3.3 feet), allowing you to work with confidence in most work environments.

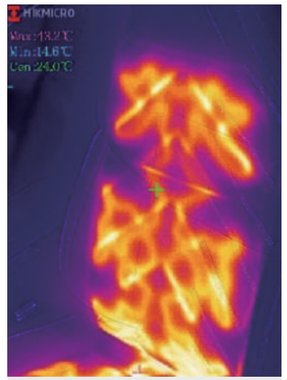
Multiple Practical Accessories

A 40 cm (15.75 in) extending cord connects between your device and the camera allowing remote viewing, and inspection through narrow, confined openings, or difficult-to-reach places. Also included is an 18 mm extended connector to accommodate smartphones or tablets in a protective case. A protective case is provided for storing your camera and keeping it free of scratches.

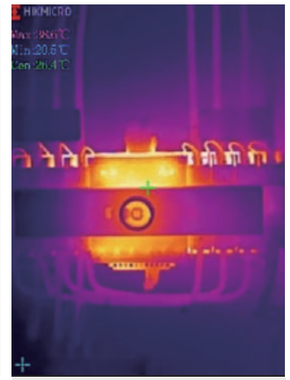
APPLICATIONS



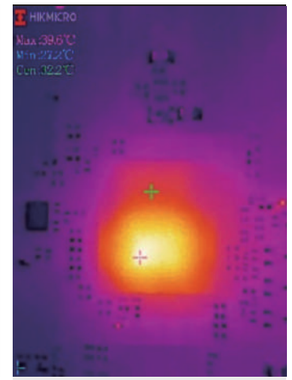
Home Inspection



Automotive Inspection



Electrical Inspection



PCB Board Detection

WHAT'S IN THE BOX

❶ Mini2

❷ Mini2plus

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

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. 20 g (0.044 lb)	Approx. 24 g (0.053 lb)
	Dimension	42 x 22.5 x 11.2 mm (1.38 x 0.74 x 0.37 in)	26.6 × 26.6 × 25 mm (1.05 × 1.05 × 0.98 in)

E SERIES

Compact thermal imaging camera for troubleshooting

Long Battery Life

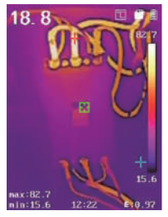
Work all day on a single charge.

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.

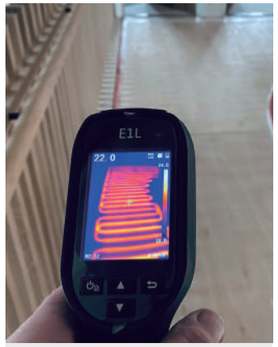
Rugged & Durable Design

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.

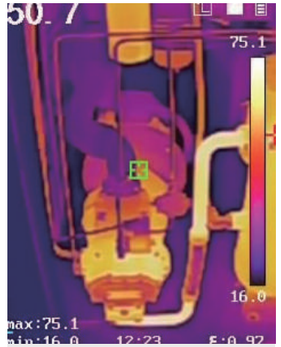
APPLICATIONS



HVAC Inspection

Automotive Inspection

Electrical Inspection



Mechanical Inspection

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

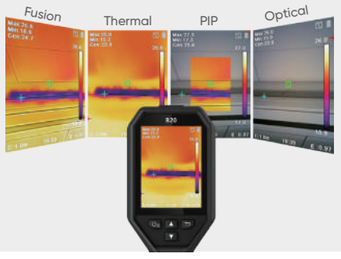
Model No		E1L
Infrared Image	IR Resolution	160 × 120 (19,200 pixels)
	NETD	< 40 mK (@ 25 °C, F#=1.0)
	Image Frequency	25 Hz
	Field of View (FOV)	37.2° × 50°
	Minimum Focus Distance	0.15 m (0.49 ft)
	Focus Mode	Focus Free
Image Display	Display	240 × 320 Resolution, 2.4'' LCD Screen
Measurement and Analysis	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	Image Format	JPEG
	Weight	Approx. 350 g (0.77 lb)
	Battery Operating Time	Approx. 8 hours

B SERIES

Compact and easy-to-use thermal camera for daily operation

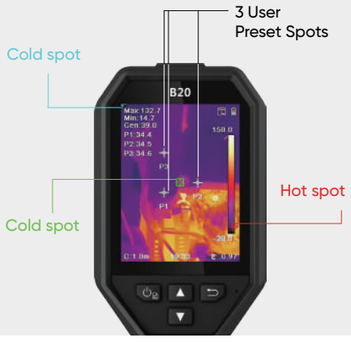
Multiple Image Modes

Fusion, Thermal, PIP and Visual modes to suit your preferred view. (B11, B20 only)



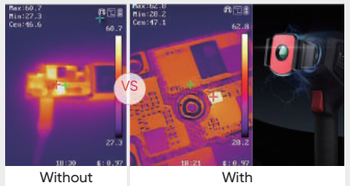
Efficient Temperature Measurement

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.



Without | With

3.2" Color LCD

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

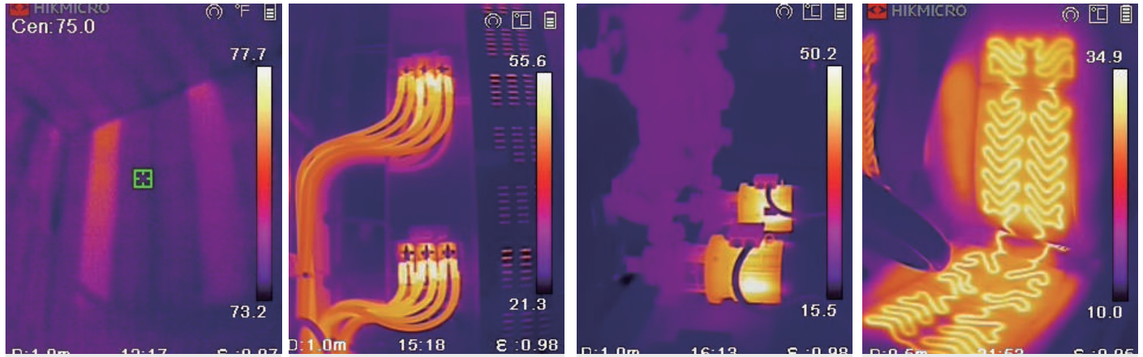
LED Work Light

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



Building Envelope | Electrical Cabinet | Mechanical Inspection | Automotive Inspection

WHAT'S IN THE BOX

- Thermal Imager
- Wrist Strap
- International Charger x 5 (US, UK, EU, AU, CN),
- USB Cable
- Power Adapter
- Quick Start Guide
- Calibration Cetificate

OPTIONAL ACCESSORIES

– B Series Macro Lens –
HM-B201-MACRO

– E/B Series POUCH –
HM-B01-POUCH

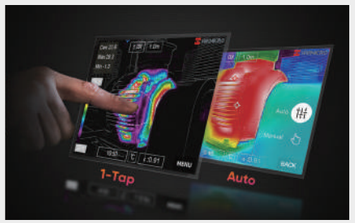
Model No		B1L	B11	B20
Infrared Image	IR Resolution	160 × 120 (19,200 pixels)	192 × 144 (27,648 pixels)	256 × 192 (49,152 pixels)
	NETD	< 40 mK (@ 25 °C, F#=1.0)		
	Image Frequency	25 Hz		
	Field of View (FOV)	32.9° × 44.4°	27.8° × 37.2°	37.2° × 50.0°
	Minimum Focus Distance	0.3 m (0.98 ft)		
	Focus Mode	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	Image Format	JPEG		
	Wi-Fi	802.11 b/g/n (2.4GHz)		
	Battery Operating Time	Approx. 8 hours	Approx. 6 hours	Approx. 6 hours

POCKET SERIES

Portable pocket-sized design and fits in any pocket

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.

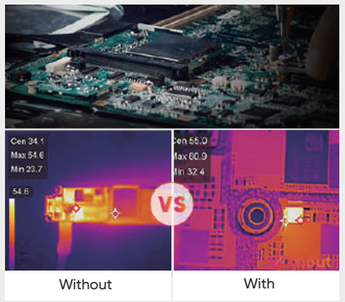


Download on-device images

Connect (Wi-Fi or Hotspot) to HIKMICRO Viewer App for transmitting pictures from camera to mobile phone. Analyze, share images, and generate reports in real-time.

Innovative Macro Mode

Using a clip-on macro lens, the Pocket 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

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

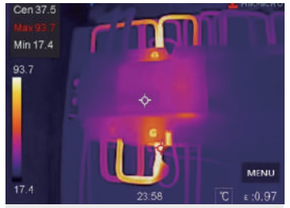
Continuous Digital Zoom

1.0x to 4.0x continuous digital zoom provides more image details.

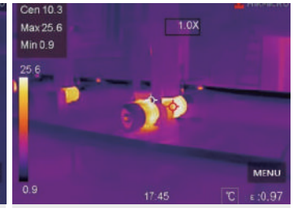
Intuitive Interface

Swipe down or touch the icons to access all camera features and settings

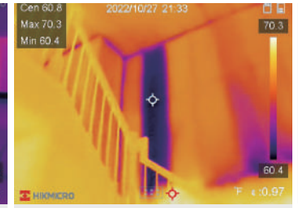
APPLICATIONS



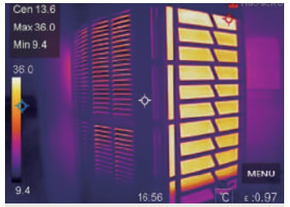
Electrical Cabinet



Check Machine Temperature



Building Envelope



HVAC Inspection

WHAT'S IN THE BOX

- Thermal Imager
- Wrist Strap
- Power Supply
- USB 2.0 A to USB Type-C Cable
- Soft Carrying Pouch
- Color Box Packaging
- Calibration Certificate
- Quick Start Guide

OPTIONAL ACCESSORIES

— Pocket Series Macro Lens —

HM-P201- MACRO

Model No		Pocket2
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° × 37.2°
	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	Image and Video Formats	JPEG, MP4
	Wi-Fi	802.11 b/g/n (2.4 GHz and 5 GHz)
	Battery Operating Time	Approx. 4 hours

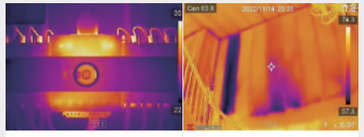
M SERIES

Advanced thermal imaging camera with full function analysis

VISIT OUR WEBSITE

Multiple Product Options

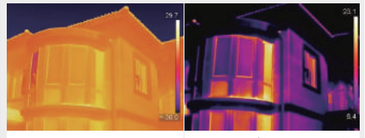
M series products provide wide-angle and manual focus options. The manual focus with a larger focal length option (without "W") is ideal for electrical, HVAC, and mechanical inspection where focusing on specific components is critical. The "W" series features a fixed focus wide FOV making them ideal for scanning walls, floors, and large-scale items.



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.

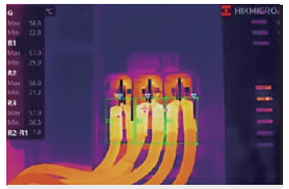
Camera Interface

Intuitive 3.5" LCD Touch Screen or interactive buttons to easily navigate to any function. Use either or both!

Multiple Image Annotations

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

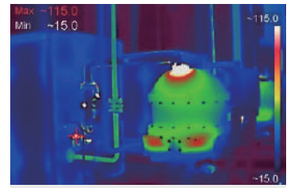
APPLICATIONS



Check Electrical

Check Underfloor Heating

Check Building Insulation



Check Mechanical Status

WHAT'S IN THE BOX

- Thermal Imager with Wrist Strap
- Interchangeable 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

– Additional batteries –
E097-13-1S1P26650

– Pouch –
HM-SP01-POUCH

– Replacement Charger –
HM-5202ZC

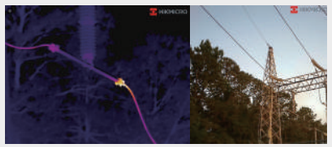
Model No		M11W	M20W	M30
Infrared Image	IR Resolution	192 × 144 (27, 648 pixels)	256 × 192 (49, 152 pixels)	384 x 288 (110, 592 pixels)
	NETD	< 40 mK (@ 25 °C, F#=1.0)		< 35 mK (@ 25 °C, F#=1.0)
	Image Frequency	25 Hz		
	Field of View (FOV)	37.5° × 27.9°	50° × 37.2°	37.5° × 28.5°
	Minimum Focus Distance	0.5 m (1.64 ft)	0.5 m (1.64 ft)	0.2 m (0.65 ft)
	Focus Mode	Focus Free	Focus Free	Manual Focus
Image Display	Visual Camera	3264 × 2448 (8 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	Image and Video Formats	JPEG, MP4		
	Wi-Fi	802.11 b/g/n (2.4 GHz and 5 GHz)		
	Battery Operating Time	Approx. 6 hours	Approx. 6 hours	Approx. 4 hours

GX1 SERIES

Ultra High Resolution.More Efficient Inspection

Ultra High Resolution

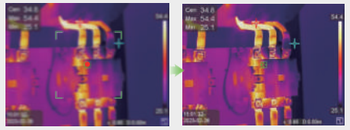
A highly sensitive HIKMICRO VOx detector (NETD < 35 mK) with 640 x 512 (327,680 pixels) IR resolution, provides a distinct thermal image of the target.



5 Focus Modes

Faster inspections, sharper images, and greater accuracy.

- Continuous Autofocus
- Autofocus
- Touch AF
- Laser Assisted Focus
- Manual Focus



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.

laser distance meter

3 Add-on 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.

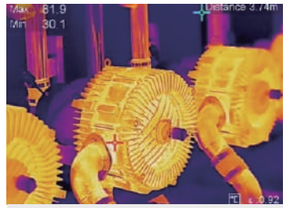
Simplify Inspection Process

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.

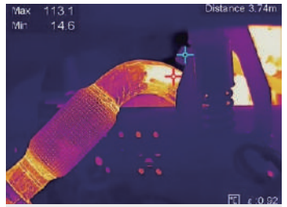
Complete Image Annotations

In addition to supporting voice and text annotations, GPS and compass functions automatically add location and direction information to the image, helping to improve inspection efficiency and productivity.

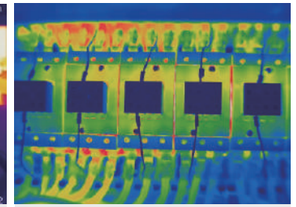
APPLICATIONS



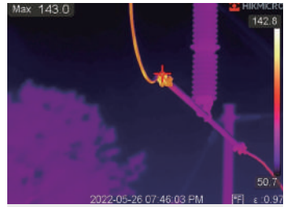
Mechanical Instrument Inspection



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

– Additional batteries –

INR18650-35E-1S2P

– Sun Shiled –

HM-701ZJ-G01-SHIELD

– Replacement Charger –

HM-5202ZC2

– Pouch –

HM-SP01-POUCH

3 ADD-ON LENESE CHOICES

Wide Angle Lens

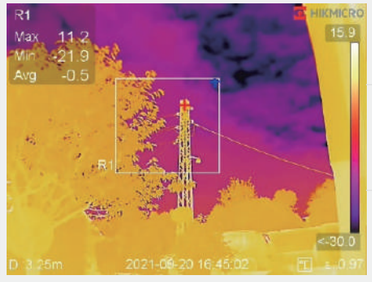
Sometimes there is not enough space to take a step back and see the whole picture. This wide-angle lens has almost twice the field of view of the standard lens. This lens is ideal for building inspections or other applications

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-LENS1



Focal Length	13mm
FOV (Field of View)	G61/G61H: 48.2°(H) x 36°(V) G41/G41H: 35.4°(H) x 26.2°(V)
Min. Focusing Distance	0.2 m (0.22 yd)

Telephoto 2X

HM-G620-LENS1

Focal Length	50mm
FOV (Field of View)	G61/G61H: 12.3°(H) x 9.3°(V) G41/G41H: 9.3°(H) x 7°(V)
Min. Focusing Distance	2 m (2.19 yd)

Telephoto 3.3X

HM-G630-LENS1

Focal Length	82mm
FOV (Field of View)	G61/G61H: 7.6°(H) x 5.7°(V) G41/G41H: 5.7°(H) x 4.3°(V)
Min. Focusing Distance	3 m (3.28 yd)

DISTRIBUÉ PAR / DISTRIBUTED BY:

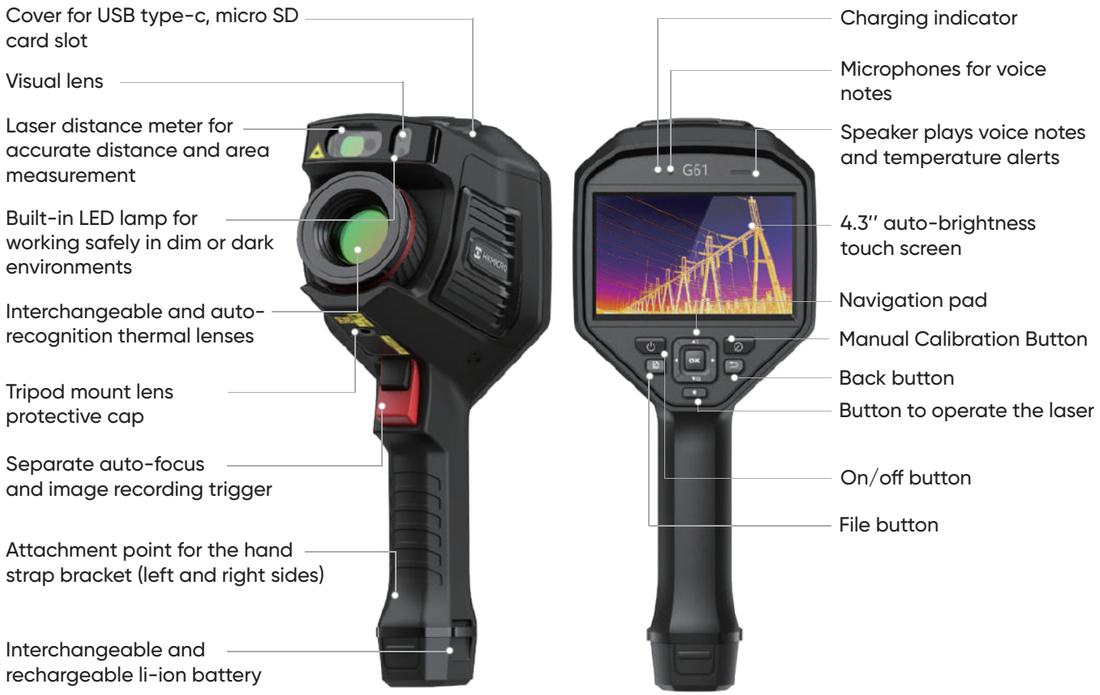
QNDE

QUEBEC
164, St-Jean-Baptiste
Mercier, QC J6R 2C2
T : (450) 691-9090

ONTARIO
275 Sheldon Drive, Unit 3
Cambridge, ON N1T 1A3
T : (519) 894-9069

www.qnde.ca

CAMERA FEATURES



Model No		G31	G41	G41H	G61	G61H
Infrared Image	IR Resolution	384×288	480×360	480×360	640×480	640×480
	SuperLR	768×576	960×720	960×720	1280×960	1280×960
	NETD	< 35 mK (@ 25 °C, F#=1.0)				
	Image Frequency	25 Hz				
	Field of View (FOV)	25° × 19°	18.7° × 14°	18.7° × 14°	25° × 19°	25° × 19°
	Spatial Resolution (IFOV)	1.13mrad	0.68mrad	0.68mrad	0.68mrad	0.68mrad
	Focus Mode	Approx.2 second				
Image Display	Visual Camera	3264×2488(8MP)				
Measurement and Analysis	Object Temperature Rang	-20 °C to 650 °C (-4 °F to 1202 °F)	-20 °C to 650 °C (-4 °F to 1202 °F)	20 °C to 2000 °C (-4 °F to 3632 °F)	-20 °C to 650 °C (-4 °F to 1202 °F)	20 °C to 2000 °C (-4 °F to 3632 °F)
	Accuracy	Max. (± 2°C/3.6°F, ± 2%)				
General	Image and Video Formats	JPEG, MP4				
	Wi-Fi	802.11 b/g/n (2.4 GHz and 5 GHz)				
	HDMI Interface	Yes				
	GPS & Compass	Yes				
	Battery Operating Time	Approx. 4 hours				

SP SERIES

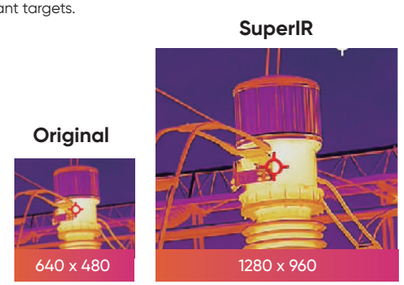
Ultra-high performance inspection and reporting thermography camera

SP40, SP40H
without viewfinder

VISIT OUR WEBSITE

SuperIR

With HIKMICRO SuperIR, 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.

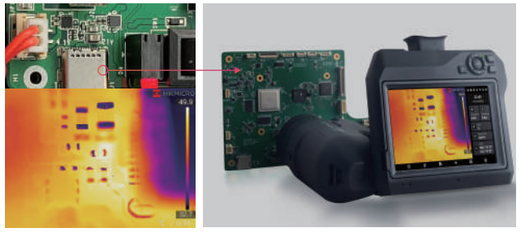


Flexible Rotating Lens and Screen

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.

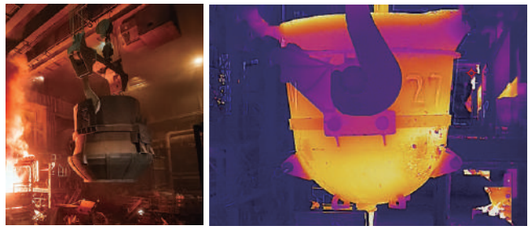


One-second Fast Focusing

Supports 5 types of focus modes (Laser Assisted AF, Continuous AF, AF, Manual Focus, Touch AF) and one-second fast focusing speed helps to save time by giving sharper images, resulting in more accurate temperature measurements.

SPxx H Series- Ultra High Temperature Range

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



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.
(*SP60H, SP60 only)

CAMERA FEATURES

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

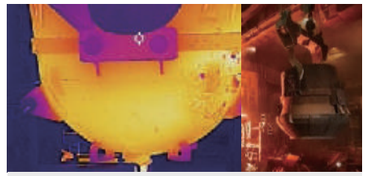
Using the included HIKMICRO Inspector PC Software, you can simplify the inspection process by pre-planning your inspection routes, downloading them directly to the camera, and guide you from location to location while collecting imagery at each station.

Radiometric Images and Video Analysis

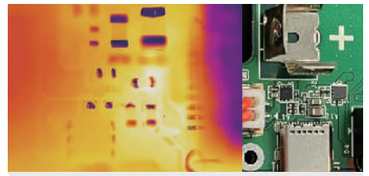
Supports recording of radiometric images and video to the onboard SD card, for post analysis on your PC and the no charge HIKMICRO analyzer software.

APPLICATIONS

Utility Inspection



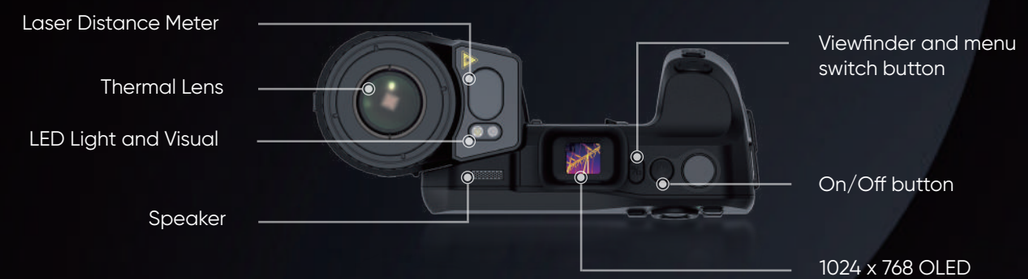
Industrial Inspection



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

HM-SP630-LENS
3X Ultra Telephoto Lens

77.4mm

SP40/SP40H: 6°(H) x 4.5°(V)
SP60/SP60H: 8°(H) x 6°(V)

HM-SP620-LENS
2X Telephoto Lens

51.4 mm

SP40/SP40H: 9°(H) x 6.8°(V)
SP60/SP60H: 12°(H) x 9°(V)

HM-SP610-LENS
1X Standard Telephoto Lens

25 mm

SP40/SP40H: 18.7°(H) x 14°(V)
SP60/SP60H: 24.8°(H) x 18.7°(V)

HM-SP605-LENS
0.5X Wide Angle Lens

12.6 mm

SP40/SP40H: 37.3°(H) x 27.8°(V)
SP60/SP60H: 50°(H) x 37.3°(V)

HM-SP620-MACRO
20μm Macro Lens

20μm minimum imaging target size
3cm focusing distance

SP40/SP40H: 4.95°(H) x 3.74°(V)
SP60/SP60H: 12.9°(H) x 10°(V)

Note: Lenses are factory calibrated for temperature with the camera when purchased. If lenses are purchased separately at a later date, the camera and lens will need to be temperature calibrated (if desired) at a calibration center.

HM-20322ZC
- Replacement Power Supply for Battery Charger
- Two-bay Battery Charger
- International Use Plugs (US/EU/UK/AU) for Power Supply (x4)

HM-7250DC
- Additional Interchange and Rechargeable Li-ion Battery

HM-SP01-POUCH
- 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)	
	SuperIR	960 x 720 (691,200 pixels)		1280 x 960 (1,228,800 pixels)	
	NETD	< 30 mK (@ 25 °C, F#=1.0)			
	Image Frequency	25 Hz			
	Field of View (FOV)	**SP40**/**SP40H**: L6: 6° × 4.5°; L9: 9° × 6.8°; L19: 18.7° × 14°; L37: 37.3° × 27.8° **SP60**/**SP60H**: L8: 8° × 6°; L12: 12° × 9°; L25: 24.8° × 18.7°; L50:50° × 37.3°			
	Focus Mode	Laser Assisted AF/Continuous AF/AF/Manual Focus/Touch AF			
Image Display	Visual Camera	3264 × 2448 (8 MP)			
	Display	1280 × 720 Resolution, 5" LCD Touch Screen			
	Viewfinder	N/A		1024 × 768 pixels OLED	
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	**SP60**/**SP40:** Max. (± 2°C/3.6°F, ± 2%); **SP60H**/**SP40H:** ±1°C (±1.8°F): 0 to 100°C (32 to 212°F); ±1%: 100 to 150°C (212 to 302°F); ±2°C (±3.6°F): -40 to 0°C (-40 to 32°F); ±2%: 150 to 2200°C (302 to 3992°F)			
General	Image and Video Formats	JPEG, MP4			
	Wi-Fi	802.11 b/g/n (2.4 GHz and 5 GHz)			

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

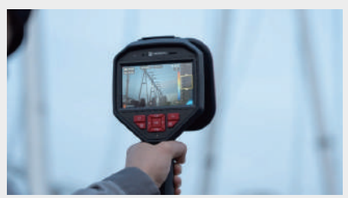
Pro tool for sound source localization

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.

Long Battery Life

Reliable 10.5 hours continuous running.

Light Weight

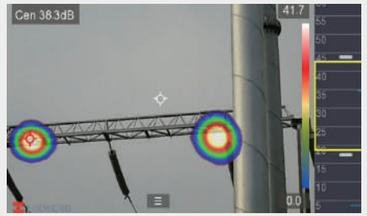
940g(2.072lb) only, one-handed operation, more convenient to use – you can complete the detection work by yourself, a device is a professional team.

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 (×1)
- Battery (×3)
- Charging Base (×1)
- Power Adapter (×1)
- Adapter (×4)
- Hand Strap (×1)
- USB Cable (×1)
- HDMI Cable (×1)
- SD Card (×1)
- MIC Protective Case (× 1)
- Accessories Bag (×1)
- Quick Start Guide (×1) Carrying Case (×1)

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

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QUEBEC
164, St-Jean Baptiste
Mercier, QC J6R 2C2
T: (450) 691-9090

ONTARIO
275 Sheldon Drive, Unit 3
Cambridge, ON N1T 1A3
T: (519) 894-9069

1-800-361-3630
WWW.QNDE.CA

MOBILE APPLICATIONS AND PC SOFTWARE

Gathering images through field inspections is the first step in delivering high-value, actionable findings to your customers. While at the site, HIKMICRO Viewer for mobile devices lets you immediately edit, call out, and send urgent findings to interested parties for quick decisions. When back at the office, HIKMICRO Analyzer for the PC is a fully featured analysis and reporting tool to manage radiometric images and video files. Create reports and add your company logo to one of the pre-made templates or edit and save your own templates. For large jobs with multiple inspection points requiring repeat inspections, we created HIMICRO Inspector that's compatible with our G and SP series cameras.

The HIKMICRO suite of software solutions provides you with the most professional portfolio of camera software designed to increase productivity and deliver results to your customers. Best of all, it's available at no extra charge or recurring fees.

HIKMICRO VIEWER

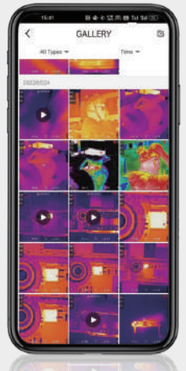
WIRELESS ANALYSIS, REPORTING AND SHARING

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.

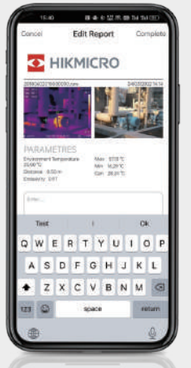
- Free license
- Import images and videos from camera
- Quick reporting and sharing
- Screen Stream Mirroring
- Advanced measurement and image analysis
- After-sales contacts and online support services

Image manipulation and analysis

Import images from your HIKMICRO camera



Generate reports in the field



GET IT ON Google Play

Download on the App Store

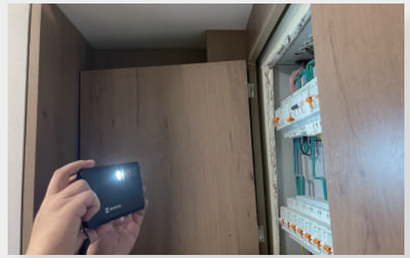
HIKMICRO ANALYZER

EFFICIENT, POWERFUL THERMAL ANALYSIS AND REPORTING

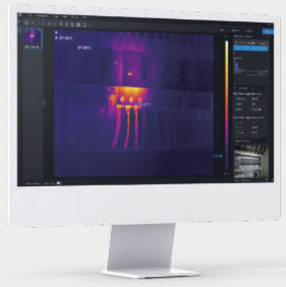
HIKMICRO Analyzer is a powerful and free licensed PC software designed to help users manage and analyze thousands of thermal images and videos and quickly create professional reports. Compatible with files from HIKMICRO handheld thermal cameras, providing the features you need to simplify your workflow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

Capture Field Images



Powerful Analysis Tools



Generate Multi-page Reports

* Customize report templates with your company logo

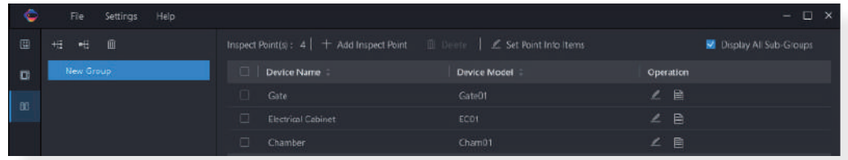
HIKMICRO INSPECTOR

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

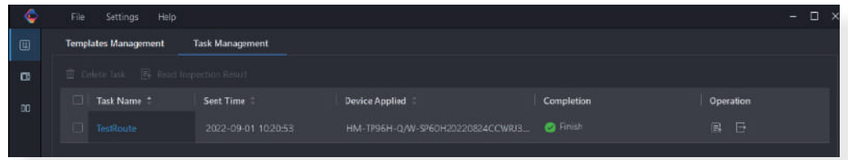
PRE-PLAN YOUR INSPECTION ROUTES



THERMAL INSPECTION ON SITE

- Pending
- Normal
- Exception

ANALYSIS AND REPORTING



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