

APPLICATIONS

UTILITY INSPECTION

See Clearly Hotspot with Precision

Thermal imaging can identify areas where electrical connections are in the process of overheating and could potentially lead to a fire hazard. Overheating of electrical or mechanical components can cause them to fail, disrupting occupancy or operations and resulting to expensive repairs.

Benefit

Keep your power installations working without failures, perform preventive maintenance



Power Transmission Line

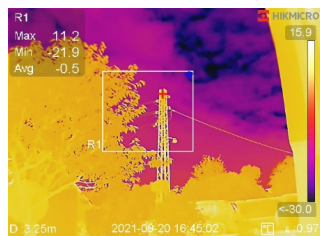


Substation

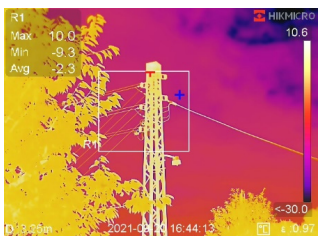
Recommended Solutions



Lenses G Series Specialist Series



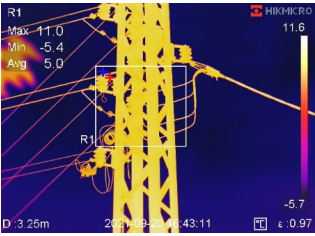
Wide Angle 0.5X



Standard Lens 1x



Telephoto 2X



Telephoto 3.3X

ONE-SECOND FAST FOCUSING

Supports 4 types of focus and a one-second fast focusing speed helps to save time by giving sharper images, resulting in more accurate temperature measurements.



Continuous Autofocus



Autofocus



Laser Assisted Focus



Manual Focus

HIKMICRO Analyzer Software

Included software offers flexible ways (points, lines, rectangles, circles, polygons) to analyze thermographic info of captured pictures, and generate reports.

Embedded Laser Distance Meter

The integrated laser distance meter measures accurate distance from afar, more convenient in setting parameter and generating report.

Minimize Sun Glare

The 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 conditions.



Flexible Rotating Lens and Screen

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



Series	Phone module	Entry-level	Basic	Pocket	Master	Genius	Specialist
Recommended Model	Mini1	E1L	B1L/B20	Pocket2	M10/M30	G40/G60	SP60
Image							
IR Resolution	160 x 120	160 x 120	B1L: 160 x 120 B2L: 256 x 192	256 x 192	M10: 160 x 120 M30: 384 x 288	G40: 480 x 360 G60: 640 x 480	640 x 480
Temperature Range	-20 °C to 350 °C (-4°F to 662°F)	-20 °C to 550 °C (-4°F to 1022°F)	-20 °C to 550 °C (-4°F to 1022°F)	-20 °C ~400 °C (-4°F~752°F)	-20 °C to 550 °C (-4°F to 1022°F)	-20 °C to 650 °C (-4 °F to 1202 °F)	-20 °C to 650 °C (-4 °F to 1202 °F)
Optical Camera	x	x	B1L: x B20: Max 2 MP	Max 8 MP	Max 8 MP	Max 8 MP	Max 8 MP
NETD	< 40 mK	< 40 mK	< 40 m	< 40 m	M10: < 40 mk M30: < 35 mK	< 35 mK	< 30 mk
Image Frequency	25Hz	25Hz	25Hz	25Hz	25Hz	50Hz	25Hz
Display	Phone Screen	2.4" LCD Screen	3.2" LCD Screen	3.5" LCD Touch Screen	3.5" LCD Touch Screen	4.3" LCD Touch Screen	5" LCD Touch Screen
Color Alarm (Isotherm)	x	x	√	√	√	√	√
Focus	Fixed	Fixed	Fixed	Fixed	Manual	• Continuous Autofocus • Autofocus • Manual Focus • Laser Assisted Focus	• One-second Fast Focusing • Continuous Autofocus • Autofocus • Manual Focus • Laser Assisted Focus
Connect with App	x	x	√	√	√	√	√
Video	√	x	x	√	√	√	√
1-Tap Level & Span	x	x	x	√	√	√	√
Laser Distance Meter	x	x	x	x	x	√	√
Interchangeable Lenses	x	x	x	x	x	√	√
Viewerfinder	x	x	x	x	x	x	√
Rotating Lens & Screen	x	x	x	x	x	x	√
Multi-language	√						
Warranty	2 years for battery, 3 years for full product and 10 years for detector						



TACTICAL
— SUPPLY PAKISTAN —

HANDHELD THERMOGRAPHY
APPLICATION GUIDE



HIKMICRO Thermography

info@hikmicrotech.com

hikmicro_thermography

https://hikmicrotech.com/en

HIKMICRO Thermography

HIKMICRO

APPLICATIONS

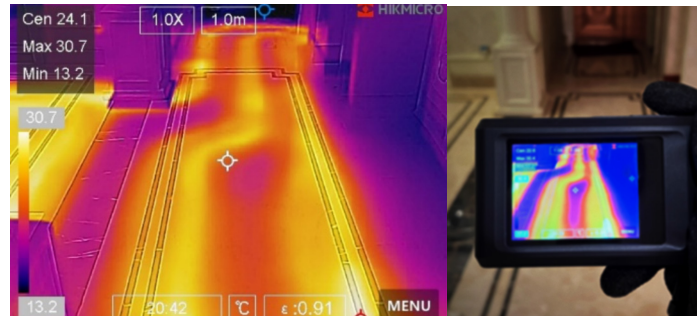
HVAC

Locate Faults in Underfloor Heating and Check Air Conditioning

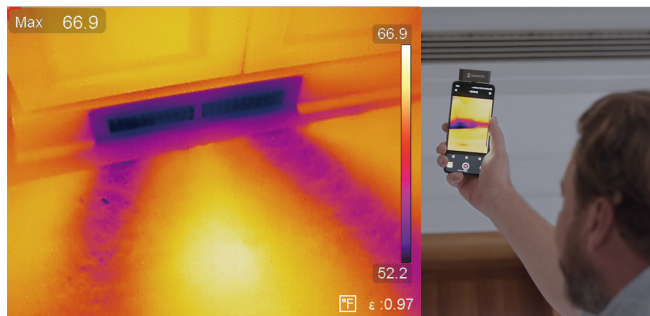
Radiant flooring is a great heating option because it's consistent, comfortable, and relatively cost-effective. The downside is that the source of heating — tubing filled with liquid — is hidden behind or under finished surfaces. Any leaks or energy loss are hard to pinpoint without the use of thermal imaging.

Benefit

Thermal cameras allow home inspectors to examine the system without disturbing finishes.



Underfloor heating



Air conditioner

APPLICATIONS

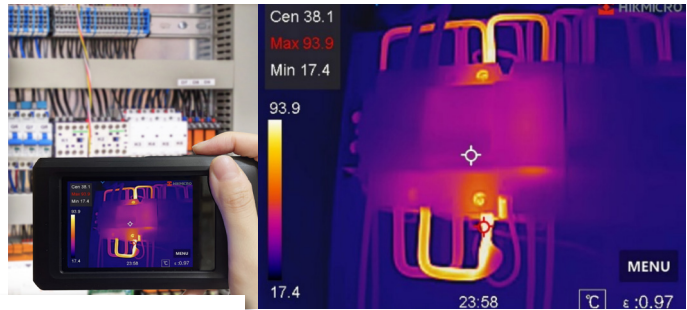
PREDICTIVE MAINTENANCE

Identify Hot, Check Installed Load, and Phase Comparison

Damaged wires, electrical components and connections would cause a variety of problems. Faulty wiring or components aging may result in electronics damage due to overload. Electric sparks may cause large-scale fires, which can cause property damage and even civilian injuries. By diagnosing the issue early on, technicians can conduct repairs before a total failure occurs.

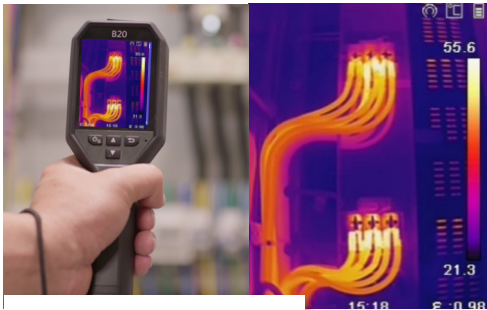
Benefit

Save time and money, making routine inspections identifying hidden problems in electrical and mechanical installations.



Panels/Cabinet

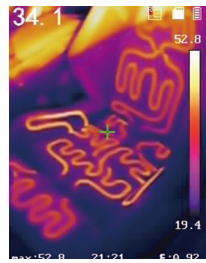
– circuit breakers, contactors, and power supplies



Electrical Connections

– bars, fuses, and wires

Full Screen Accurate Thermal Imaging



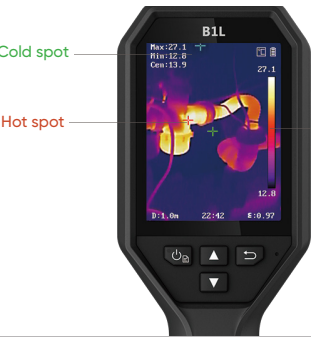
High Image Quality

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



High Image Frequency

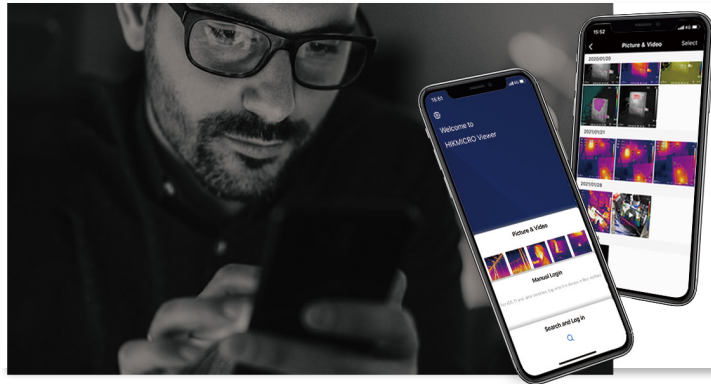
25 Hz delivers smooth video and measurements while panning across scenes or viewing moving targets..



Efficient & Quick Temperature Measurement

Full screen measurement in virtue of different presets checks everywhere at the very first sight. Measurement Presets: Center Spot, Hot Spot, Cold Spot, Off. $\pm 2^{\circ}\text{C}$ ($\pm 3.6^{\circ}\text{F}$) or $\pm 2\%$ of the reading of temperature measurement accuracy guaranteed.

Powerful Application



HIKMICRO Viewer App

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 on-site.



Reliability



Suitable for All-day Work

Long battery life up to 8 hours, rugged ingress protection and 2m drop test approved.

Recommended Solutions



B20
B1L
E1L
Mini1
Pocket2

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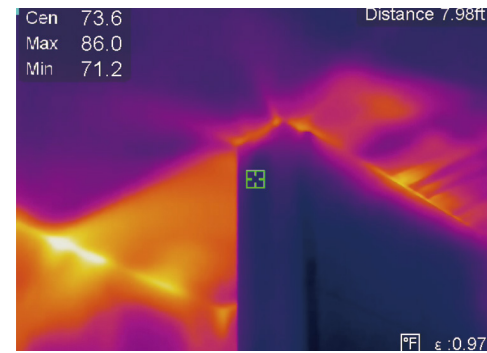
BUILDING INSPECTION

Check Building Envelope, Insulation, and Air Leaks

Energy efficiency depends heavily on the integrity of a building's envelope, including insulation, windows, and doors. Thermal imaging can help identify where climate-controlled air is escaping or where unconditioned air enters a building unintentionally.

Benefit

Thermography cameras make important diagnoses in facilities, allowing to reduce building insurance and improve its environment.



Building insulation



Moldy roof

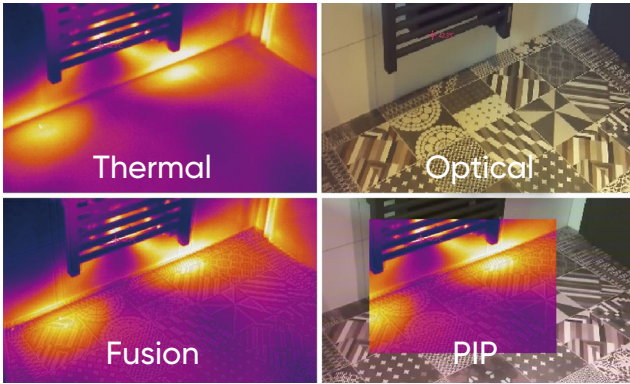
Recommended Solutions



M Series

Multiple Image Modes

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

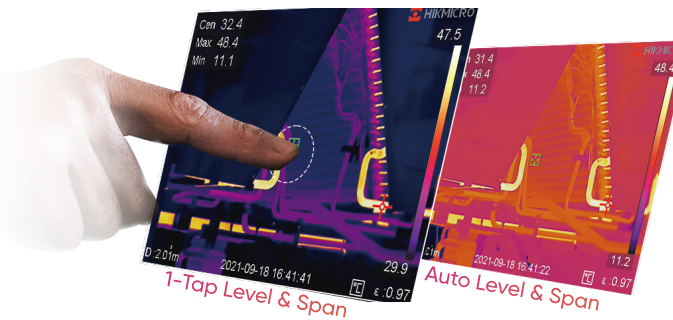


Color Alarm

Color highlight the area above/ below/ in/ out of the range from the threshold.

1-Tap Level & Span

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



Manual Focus

Adjusting the manual focus ring allows to see objects clearly at different distances.