



See the World in a New Way

HIKMICRO Thermography Cameras



ABOUT HIKMICRO

Why Choose HIKMICRO

HIKMICRO is a leading provider of thermal imaging equipment and solutions. Specializing in SoC and MEMS design, development, and manufacturing, the company offers thermal detectors, cores, modules, cameras and total solutions to the global market, serving customers in more than 100 countries and regions.

HIKMICRO places a high value on research and development, empowering its continual progress in thermal technology. The company earned ISO9001 certification in 2018, demonstrating its quality-first philosophy from the very start. Through continuous innovation, HIKMICRO's products and solutions constantly meet the diverse needs of individual, commercial, industrial, and utility customers around the world.

HIKMICRO will continue to provide professional software and hardware products for its expanding list of business partners, working together to build a safer, smarter, and more efficient world.



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



HIKMICRO Milestone



HIKMICRO Thermography Cameras

Thermography cameras is an ideal solution which provides accurate non-touch temperature measurement and heat distribution image display for electrical predictive maintenance, building inspection, HVAC inspection, manufacturing monitor, etc. HIKMICRO's thermography 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, 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.

Image Quality

Image Frequency

Accuracy

Product Localization

Thermal Imaging System Design Expertise

Service Training & Support

Image Quality

- IR resolution up to 640 × 512 — High resolution provides clear thermal images and excellent temperature measurement even at long distances.
- NETD less than 40mK — High thermal sensitivity brings sharp image details even under extreme conditions.
- AGC, DDE and 3D DNR — Industry-leading algorithm enhances the edges of objects in a scene.



Image Frequency

- 25 Hz image frequency for all models delivers smooth video of dynamic scenes.

Accuracy

- Max ($\pm 2^{\circ}\text{C}/3.6^{\circ}\text{F}$, $\pm 2\%$) accuracy and repeatable temperature measurements based on our high stability detector, optics design, and quality control.



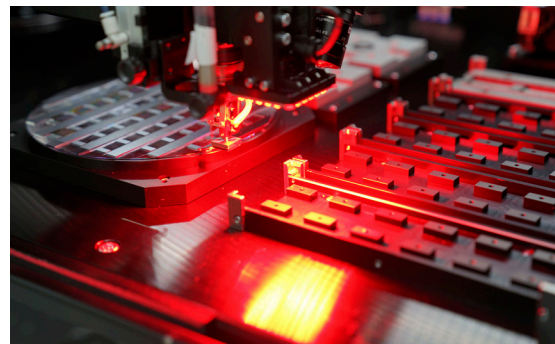
Product Localization

- Localized product and software support up to 18 languages for global needs.



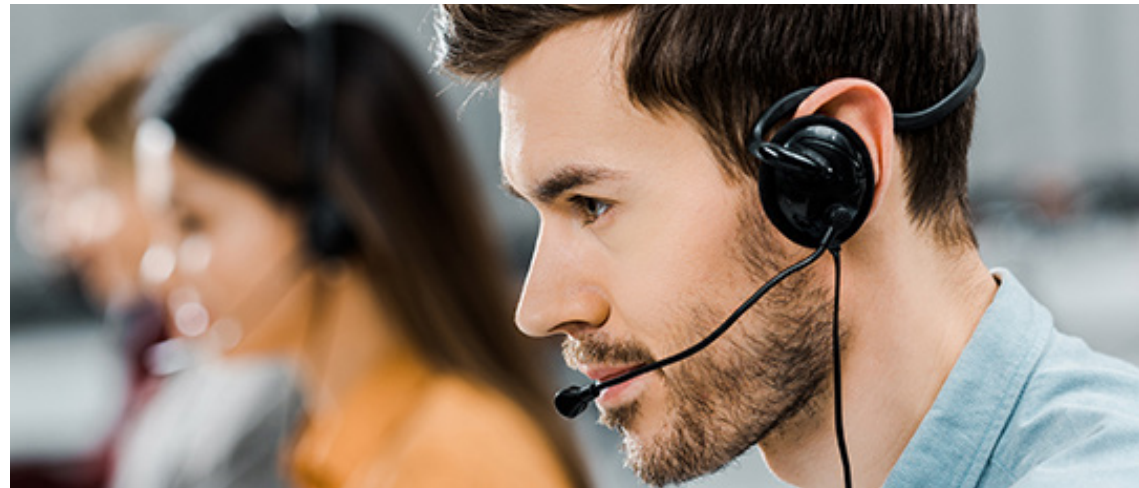
Thermal Imaging System Design Expertise

- We maintain an in-house engineering team to design, test and manufacture thermal sensors.
- Strict quality management system with 100% functionality testing.
- Highly automated manufacturing system guarantees production consistency and capacity.



Service & Support

- Provide local service and support around the world.
- Warranty – 3 years for entire device / 10 years for sensor.



Intuitive User Interface

Temperature Measurement Software:
HIKMICRO Analyzer for PC
HIKMICRO Viewer for Smartphone



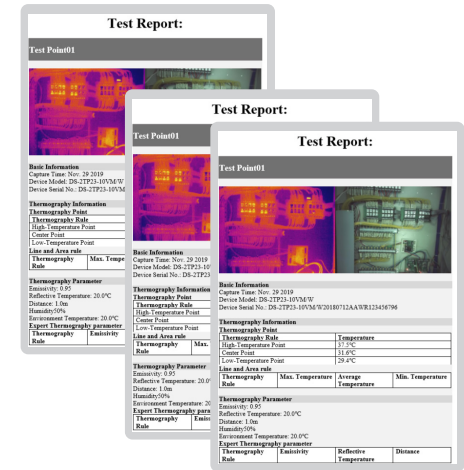
HIKMICRO Analyzer

HIKMICRO Analyzer is a free software offering flexible ways, including points, lines, rectangles, circles, polygons to analyze thermographic information of captured pictures, and generate reports.

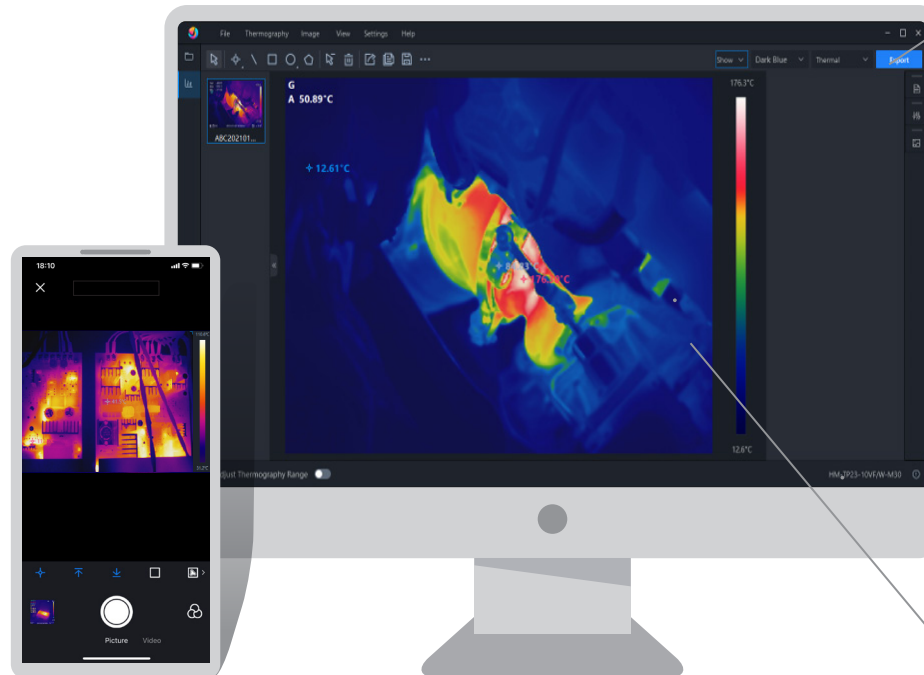


HIKMICRO Viewer

HIKMICRO Viewer allows users to share real-time screen and change thermographic configuration on phone App. After the thermal image is stored in the App, users can modify image parameters offline.



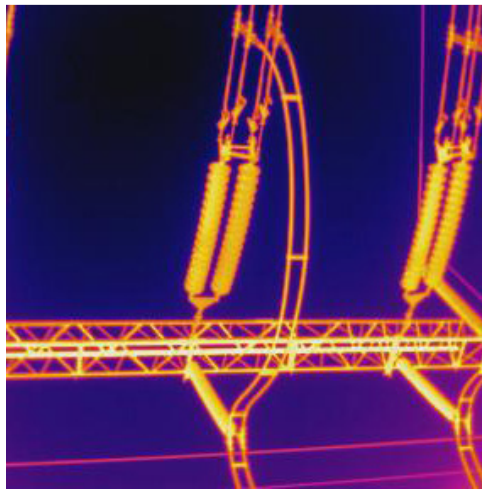
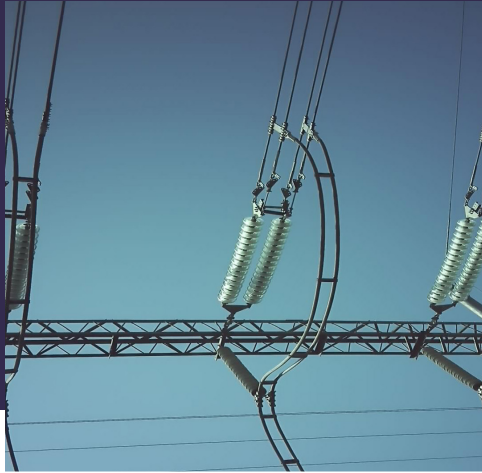
Export reports



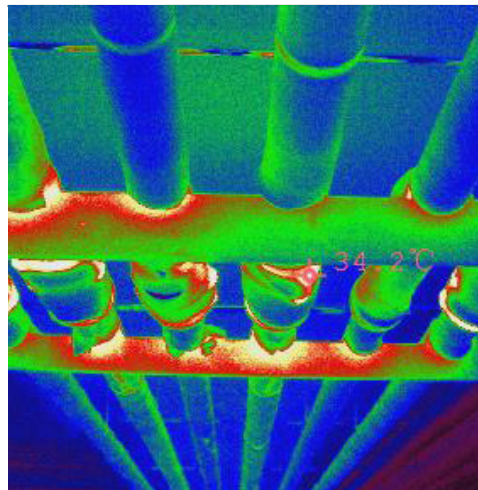
Offline radiometric image analysis



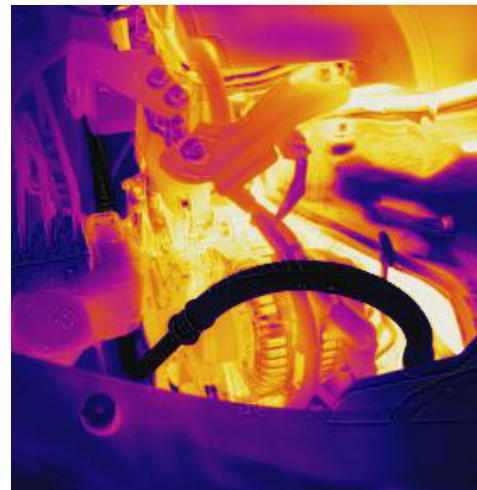
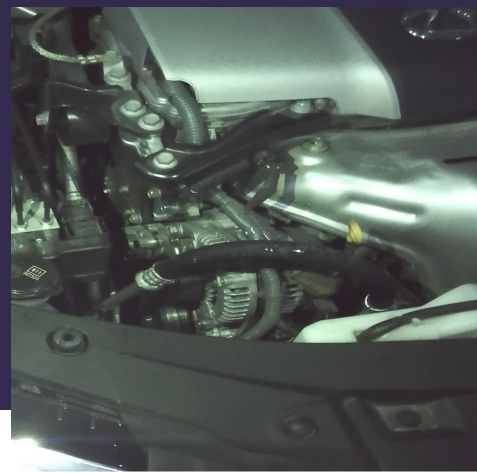
Facility Inspection



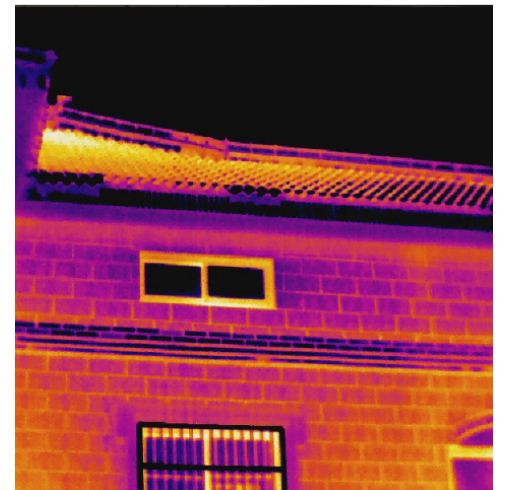
HVAC



Manufacturing Monitor



Building Maintenance



Handheld Thermography Camera E Series

High Image Quality

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

Fast Image Frequency

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

Compact Design

Unique ergonomic design offers user the best of comfort with its weight less than 350 g (0.77 lb). Compact design fits the toolbox easily.

Efficient Temperature Measurement

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

Long Battery Life

Up to 8 hours continuous running.

Laser Pointer

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



E1L

Thermal Module	Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
	IR Resolution	160 × 120 (19 200 pixels)
	Pixel Pitch	17 μm
	NETD	< 40 mK (@ 25°C, F#=1.0)
	Focal Length	3.1 mm
	Field of View	37.2° × 50°
	Image Frequency	25 Hz
	Focus	Fixed
Image Display	IFOV	5.48 mrad
	Display	320 × 240 Resolution, 2.4" LCD Screen
Thermography	Color Palettes	Black Hot, White Hot, Rainbow, Ironbow
	Range	-20°C to 550°C (-4°F to 1022°F)
	Accuracy	Max (±2°C/3.6°F, ±2%), for ambient temperature 15°C to 35°C (59°F to 95°F) and object temperature above 0°C (32°F)
Battery	Measurement Presets	Center Spot, Hot Spot, Cold Spot, Off
	Battery Type	Rechargeable Li-ion Battery
Functions	Operating Time	Up to 8 Hours Continuous Running
	Laser Pointer	Yes
	Level/Span	Auto
Storage	Menu Language	17 Languages
	Storage Media	Removable Micro SD Card (8GB)
General	Image Storage Capacity	150 000 Images
	Protection level	IP54
	Drop Test Height	2 m (6.56 ft)
	Weight	350 g (0.77 lb)

Handheld Thermography Camera B Series

High Image Quality

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

Efficient Temperature Measurement

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

3.2" Color LCD

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

Wi-Fi Connectivity

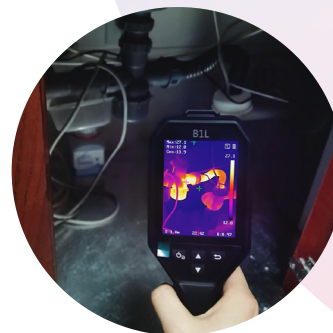
Connect to mobile devices via built-in Wi-Fi then the HIKMICRO Viewer App can quickly share your images.

High Temperature Alarm

Gives the operator audio and visual alerts to high temperatures.

LED Work Light

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



B1L

Thermal Module	Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
	IR Resolution	160 × 120 (19 200 pixels)
	NETD	< 40 mK (@ 25°C, F#=1.0)
	Focal Length	3.5 mm
	Field of View	32.9° × 44.4°
	Image Frequency	25 Hz
	Focus	Fixed
	IFOV	4.85 mrad
Image Display	Display	320 × 240 resolution, 3.2" LCD Screen
	Color Palettes	Black Hot, White Hot, Rainbow, Ironbow
Thermography	Range	-20°C to 550°C (-4°F to 1022°F)
	Accuracy	Max (±2°C/3.6°F, ±2%), for ambient temperature 15°C to 35°C (59°F to 95°F) and object temperature above 0°C (32°F)
	Measurement Presets	Center Spot, Hot Spot, Cold Spot, User Preset Point, Off
	High Temperature Alarm	Audible Warning
Battery	Battery Type	Rechargeable Li-ion Battery
	Operating Time	8 Hours Continuous Running
Functions	Wi-Fi	802.11 a/ac/b/g/n (2.4 and 5 GHz)
	UVC Cast Screen	Yes
	Level/Span	Auto/Manual
	Menu Language	17 Languages
Storage	Storage Media	EMMC (4 GB)
	Image Storage Capacity	20 000 Images
	Protection Level	IP54
General	Drop Test Height	2 m (6.56 ft)
	Weight	360 g (0.79 lb)

The logo features a stylized 'C' shape composed of two curved lines. The top line is orange and curves from the left towards the top right, ending in a small orange dot. The bottom line is blue and curves from the left towards the bottom left. The text 'Handheld Thermography Camera' is in a dark blue, sans-serif font, and 'M Series' is in a larger, bold, dark blue, sans-serif font, positioned to the right of the 'C' shape.

Handheld Thermography Camera M Series

Outstanding Image Quality

A highly sensitive HIKMICRO VOx detector (NETD < 35 mK), IR resolution up to 384 × 288 (110 592 pixels) provides a distinct thermal vision of the target.

Manual Focus Supported

Physical focus knob allows changing focus manually to see objects clearly at different distances.

Flexible Ways to Measure

Flexibly measure points (Center Spot, Hot Spot, Cold Spot, Off, 10 Point Presets, 1 Line Presets, 3 Area Presets). Four isotherm modes are available, including Above Alarm, Below Alarm, Interval Alarm, Insulation Alarm.

Multiple Image Mode

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

8 MP Visible Camera

Include detailed visual images automatically in your inspection reports. The visible camera also adds detail in the Bi-Spectrum blending and PIP imaging modes.

Wi-Fi Connectivity

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



M10

Thermal Module	Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
	IR Resolution	160 × 120 (19 200 pixels)
	NETD	< 40 mK (@ 25°C, F# = 1.0)
	Focal Length	6.2 mm
	Field of View	25° × 18.7°
	Image Frequency	25 Hz
	Focus	Manual
	IFOV	2.74 mrad
Optical Module	Picture Resolution	Configurable: 2 MP, 5 MP, 8 MP
Image Display	Display	640 × 480 Resolution, 3.5" LCD Touch Screen
	Image Modes	Thermal/ Optical/ Fusion/ PIP
Thermography	Object Temperature Range	-20°C to 550°C (-4°F to 1022°F)
	Accuracy	Max (±2°C/3.6°F, ±2%), for ambient temperature 15°C to 35°C (59°F to 95°F) and object temperature above 0°C (32°F)
	Measurement Presets	Center Spot, Hot Spot, Cold Spot, Off, 10 Point Presets, 1 Line Presets, 3 Area Presets
	High Temperature Alarm	Audible Warning
	Color Alarm (Isotherm)	Above/ Below/ Interval/ Insulation
Battery	Battery Type	Dismountable and Rechargeable Li-ion Battery
	Operating Time	5 Hours Continuous Running
Functions	Laser Pointer	Yes
	Wi-Fi	802.11 a/ac/b/g/n (2.4 and 5GHz)
	Level/Span	Auto/Manual
	Menu Language	18 Languages
Storage	Storage Media	Removable SD Card (16 GB)
	Image Storage Capacity	30 000 images
	Video Storage Capacity	10 Hours
General	Protection Level	IP54
	Drop Test Height	2 m (6.56 ft)
	Weight	653 g (1.44 lb)

M30

Thermal Module	Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
	IR Resolution	384 × 288 (110 592 pixels)
	NETD	< 35 mK (@ 25°C, F# = 1.0)
	Focal Length	10 mm
	Field of View	37.5° × 28.5°
	Image Frequency	25 Hz
	Focus	Manual
Optical Module	Picture Resolution	Configurable: 2 MP, 5 MP, 8 MP
	Image Display	640 × 480 Resolution, 3.5" LCD Touch Screen
Image Display	Image Modes	Thermal/ Optical/ Fusion/ PIP
	Object Temperature Range	-20°C to 550°C (-4°F to 1022°F)
Thermography	Accuracy	Max (±2°C/3.6°F, ±2%), for ambient temperature 15°C to 35°C (59°F to 95°F) and object temperature above 0°C (32°F)
	Measurement Presets	Center Spot, Hot Spot, Cold Spot, Off, 10 Point Presets, 1 Line Presets, 3 Area Presets
	High Temperature Alarm	Audible Warning
	Color Alarm (Isotherm)	Above/ Below/ Interval/ Insulation
Battery	Battery Type	Dismountable and Rechargeable Li-ion Battery
	Operating Time	4 Hours Continuous Running
Functions	Laser Pointer	Yes
	Wi-Fi	802.11 a/ac/b/g/n (2.4 and 5GHz)
	Level/Span	Auto/Manual
	Menu Language	18 Languages
Storage	Storage Media	Removable SD Card (64 GB)
	Image Storage Capacity	120 000 images
	Video Storage Capacity	56 Hours
General	Protection Level	IP54
	Drop Test Height	2 m (6.56 ft)
	Weight	660 g (1.46 lb)

Handheld Thermography Camera G Series

Ultra High Resolution

With 640×512 (327 680 pixels) IR resolution, you get a thermal image in HD.

Various Focus Modes

Support 3 types of focus mode (automatic focus, manual focus, and laser measuring assistant focus) to reach more clear images and lead to more accurate temperature measurements.

Interchangeable Lenses for Multiple Needs

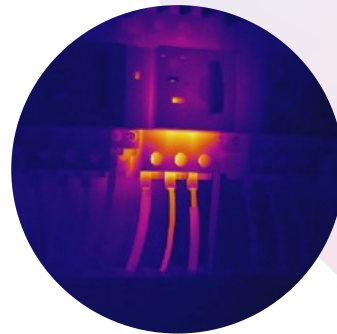
Teleconverter 0.5X, 2X, 3.3X are available for choices. Different tele converter gives different Field Of View, which gives more choices when facing different scenarios.

Embedded Laser Distance Meter

Integrated laser distance meter provide accurate distance from long distance, more convenient in setting parameter and generate report.

Wi-Fi Connectivity

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



G60

Thermal Module	Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
	IR Resolution	640 × 512 (327 680 pixels)
	NETD	< 35 mK (@ 25°C, F#=1.0)
	Focal Length	25 mm
	Field of View	25° × 19°
	Image Frequency	50 Hz
	IFOV	0.68 mrad
	Focus	Auto/Manual/Laser
Optical Module	Picture Resolution	Configurable: 2 MP, 5 MP, 8 MP
Image Display	Display	800 × 480 Resolution, 4.3" LCD Touch Screen
	Image Modes	Thermal/ Optical/ Fusion/ PIP
Thermography	Object Temperature Range	-20°C to 650°C (-4°F to 1202°F)
	Accuracy	Max (±2°C/3.6°F, ±2%)
	Measurement Presets	Center Spot, Hot Spot, Cold Spot, Off, 10 Point Presets, 1 Line Preset, 3 Area Presets
	High Temperature Alarm	Audible Warning
	Color Alarm (Isotherm)	Above/ Below/ Interval/ Insulation
Battery	Battery Type	Dismountable and Rechargeable Li-ion Battery
	Operating Time	4 Hours Continuous Running
Functions	Laser Pointer	Yes
	Wi-Fi	802.11 a/ac/b/g/n (2.4 and 5 GHz)
	Level/ Span	Auto/ Manual
	UVC Cast Screen	Yes
Storage	Menu Language	18 Languages
	Storage Media	Removable Micro SD Card (64 GB)
	Image Storage Capacity	57 000 Images
General	Video Storage Capacity	50 Hours
	Protection Level	IP54



Handheld Thermography Camera Mini Series

High IR Resolution

The thermal image resolution at 19 200 pixels.

Fast Image Frequency

Industry leading 25 Hz (Frames per second) for smooth video display.

High Image Quality

See small differences in temperature down to 40 mK.

Accurate Temperature Measurement

Mini 1: Within $-20\text{--}350^{\circ}\text{C}$ (-4°F to 662°F), Max $(\pm 2^{\circ}\text{C}/3.6^{\circ}\text{F}, \pm 2\%)$.

Mini Design

Small and easy to carry and dose not require a separate charger or power supply.

Smartphone App(Android version)

Easy to use and easy to share your images.



Mini 1

Mini 1

Thermal Module	Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
	IR Resolution	160 × 120 (19 200 pixels)
	Pixel Pitch	17 μm
	NETD	< 40 mK (@ 25°C, F#=1.0)
	Focal Length	3.2 mm
	Field of View	50° × 38°
	Min. Focus Distance	20 cm
	Focus	Fixed
	Image Frequency	25 Hz
Aperture	F1.1	
Functions	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)
	Range	-20°C to 350°C(-4°F to 662°F)
	Shutter	Automatic/Manual
	Power	Powered by Smartphone
	Phone	Android (USB Type-C Interface)
General	Working Temperature Range	15°C to 35°C (59°F to 95°F)
	Storage Temperature Range	-20°C to 60°C (-4°F to 140°F)
	Protection Level	IP40
	Mechanical shock	Drop from 1 m (3.28 ft)
	Weight	26 g (0.057 lb)
	Dimension	54.1 mm × 15 mm × 27.5 mm (2.13" × 0.59" × 1.08")
	Power Consumption	300 mW
	Measurement Presets	Hot Spot, Cold Spot, Center Spot, 3 User Preset Point, 3 User
Color Palettes	Black Hot, White Hot, Red Hot, Rainbow, Ironbow, Fusion, Rain	
APP	Video Format	MP4
	Image Format	JPEG



Thermographic Network Camera Cube Camera



DS-2TD3017T Series

Thermal Module	Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
	Max. Resolution	160 × 120
	Pixel Pitch	17 μm
	NETD	< 40 mK (@ 25°C, F#=1.0)
	Focal Length	1.8mm/ 3.1mm
	IFOV	9.44 mrad/ 5.48 mrad
	Field of View	90° × 66.4° / 50° × 37.2°
Min. Focusing Distance	0.1 m/ 0.15 m	
Optical Module	Max. Resolution	1600 × 1200, 2 MP
	Focal Length	2 mm
	Field of View	92.6° × 75.8°
	Object Temperature Range	-20°C to 550°C (-4°F to 1022°F)
Smart Feature	Temperature Accuracy	Max (±2°C/3.6°F, ±2%)
	Temperature Measurement	21 rules (10 points, 10 areas and 1 line)
	Metadata Output	Max. 25 fps (16bit 160×120)
Interface	Communication Interface	1, RJ45 Ethernet port; 1, RS-485 interface
	Alarm	1, alarm input; 1, alarm output
General	Power Consumption	10-30 VDC, Max 5 W; PoE (802.3af, class 2): Max 7 W
	Work Temperature / Humidity	-20°C to 50°C (-4°F to 122 °F), 95% or less
	Protection Level	IP67
	Dimensions	56 mm × 38.8 mm × 110 mm (2.20" × 1.53" × 4.33")
	Weight	320 g (0.71 lb)



Thermographic Network Camera Bullet Camera



DS-2637T Series
DS-2667T Series



DS-2137T Series
DS-2167T Series

Thermal Module	Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
	Pixel Pitch	17 μ m
	Focal Length	4.4/6.5mm, 384 × 288 DS-2TD21 Series
		6.5mm, 640 × 512 DS-2TD21 Series
		9.7/15mm, 384 × 288 DS-2TD26 Series
	15mm, 640 × 512 DS-2TD26 Series	
IFOV	3.86 mrad, 2.62 mrad, 1.75 mrad, 1.13 mrad	
Field of View	90° × 65.3° / 60° × 44.1°, 384 × 288 DS-2TD21 Series	
	88.5° × 73.2°, 640 × 512 DS-2TD21 Series	
	37.5° × 28.5° / 24.5° × 18.5°, 384 × 288 DS-2TD26 Series	
42.5° × 33.6°, 640 × 512 DS-2TD26 Series		
NETD	< 35 mK (@25°C, F#=1.0)	
Smart Function	Object Temperature Range	-20°C to 550°C (-4°F to 1022°F)
	Temperature Accuracy	Max (\pm 2°C/3.6°F, \pm 2%)
	Temperature Measurement	21 rules (10 points, 10 areas and 1 line)
	Fire Detection	Dynamic fire detection, up to 10 fire points detectable
Interface	Communication Interface	1, RJ45 Ethernet port; 1, RS-485 interface
	Alarm	2, alarm input; 2, alarm output
General	Power Consumption	24 VAC \pm 25%, 12 VDC \pm 25%, Max 9 W; PoE (802.3af, class 3): Max 9.5 W
	Work Temperature / Humidity	-40°C to 65°C (-40°F to 149°F), 95% or less
	Protection Level	IP66
	Dimensions	376.1 mm × 119.1 mm × 118.1 mm (14.81" × 4.68" × 4.65")
	Weight	1.82 kg (4.01 lb)



Thermographic Network Camera Speed Dome



DS-2TD4237T Series

Thermal Module	Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
	Resolution	384 × 288
	Pixel Pitch	17 μm
	NETD	< 35 mK (@25°C, F#=1.0)
	Focal Length	10 mm
	IFOV	1.70 mrad
	Field of View	37.7° × 28.7° (H×V)
Optical Module	Max. Resolution	1920 × 1080, 2 MP
	Field of View	58.4° × 33.8° (H × V) to 2.14° × 1.2° (H × V)
	Focal Length	4.8-153 mm, 32x
PTZ	Movement Range	Pan: 360° (continuous rotate); Tilt: From -5° to +90° (auto flip)
	Patrol Scan	8; Up to 32 presets per patrol
	Pattern Scan	4; More Than 10 Minutes Per Pattern
Illuminator	IR Distance	Up to 100 m
Smart Function	Temperature Measurement	273 presets as scene, 21 rules of each scene (10 points, 10 areas, and 1 line)
	Object Temperature Range	-20°C to 550°C (-4°F to 1022°F)
	Temperature Accuracy	Max (±2°C/3.6°F, ±2%)
	Fire Detection	Supports 10 fire detection points
Interface	Communication Interface	1, RJ45 Ethernet port; 1, RS-485 interface
	Alarm	7, alarm input; 2, alarm output
General	Power Consumption	24 VAC ± 20%, 48 VDC ± 20%, Max 30 W
	Work Temperature / Humidity	-40°C to 65°C (-40°F to 149°F); 95% or less
	Protection Level	IP66
	Weight	3.9kg (8.6 lb)



Thermographic Network Camera Speed Dome



DS-2TD4137T Series
DS-2TD4167T Series

Thermal Module	Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
	Pixel Pitch	17 μ m
	Resolution&Focal Length	9mm/25mm 384×288, 9mm/25mm 640×512
	IFOV	1.89 mrad, 0.68 mrad
	NETD	< 35 mK (@25°C, F#=1.0)
	Field of View	37.9° × 28.7° (H × V), 14.9° × 11.2° (H × V), 72° × 56.1° (H × V), 24.5° × 19.7° (H × V)
Optical Module	Max. Resolution	2688 × 1540, 4 MP
	Field of View	56.6° × 33.7° (H × V) to 1.8° × 1.0° (H × V)
	Focal Length	6-240 mm, 40x
PTZ	Movement Range	Pan: 360° (continuous rotate); Tilt: From -5° to + 90° (auto flip)
	Patrol Scan	8; Up to 32 presets per patrol
	Pattern Scan	4; More Than 10 Minutes Per Pattern
Illuminator	IR Distance	Up to 200 m
Smart Function	Temperature Measurement	273 presets as scene, 21 rules of each scene (10 points, 10 areas, and 1 line)
	Object Temperature Range	-20°C to 550°C (-4°F to 1022°F)
	Temperature Accuracy	Max (\pm 2°C/3.6°F, \pm 2%)
	Fire Detection	Dynamic fire detection, up to 10 fire points detectable
Interface	Communication Interface	1, RJ45 Ethernet port; 1, RS-485 interface
	Alarm	7, alarm input; 2, alarm output
General	Power Consumption	24 VAC \pm 25%, Max 60 W; Hi-PoE: Max 60 W
	Work Temperature / Humidity	-40 °C to 65 °C (-40 °F to 149°F); 95% or less
	Protection Level	IP66
	Weight	3.9kg (8.6 lb)

See the World in a New Way

HIKMICRO Thermography Cameras



© Hangzhou HIKMICRO Sensing Technology Co., Ltd.
Building A1, No.299, Qiusi Road, Tonglu Economic Development Zone,
Tonglu County, Hangzhou, Zhejiang



HIKMICRO



hikmicro_thermography



HIKMICRO Thermography



HIKMICRO



info@hikmicrotech.com



<https://hikmicrotech.com/en>