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www.isecus.com | sales@isecus.com

iSecus

UTi260B

Handheld infrared thermal imager

Temperature range: -15°C ~ 550°C

IP65 Protection level	2m 2 meters anti-drop	CE Certified product	256 X 192 Resolution
High and low temperature measurement	Visible light	Adjustable emissivity	-15°C ~ 550°C Temperature range

Features

UTi260B is an infrared thermal imager that combines surface temperature measurement and real-time thermal images, which is clearly displayed on the screen through the thermal imager. With infrared and visible light lenses, the temperature measurement range is -15°C ~ 550°C/(5 °F~1022°F) to meet more measurement needs, thermal imaging pixels 256 x 192 (49152) are easier to find abnormal temperature points, built-in The high-brightness illuminator adopts a new generation of sensor modules to ensure excellent infrared resolution and rich color palette modes, which can meet the requirements of multiple imaging shooting modes. Take pictures and store them to SD card. PC software can be used for image analysis and processing to generate reports, and equipped with PC software real-time screen projection function, with IP65 protection level, 2 meters drop resistance and durable.

- Temperature : -15°C ~ 550°C
- Infrared resolution: 256 x 192
- With infrared and visible light lens
- Fully charged battery can be used for up to 5 hours
- Can withstand a drop of 2 meters
- With IP65 protection level
- PC software supporting

IP65 protection level

2 meters drop resistance, durable,
waterproof and dustproof

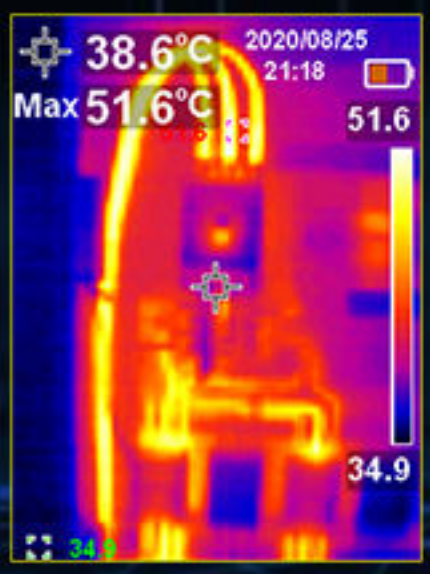
A wider range of applications

- Electrical equipment maintenance and overhaul
- HVAC pipeline inspection
- Electronics industry
- Photovoltaic industry equipment testing
- Car maintenance inspection, etc.

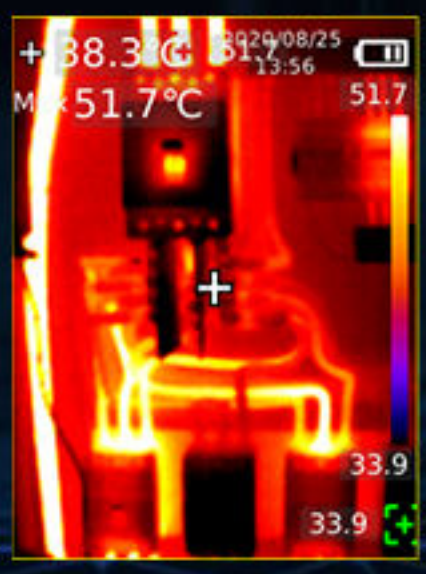
256 x 192 Infrared high resolution

The imaging is clearer, the details of the test target are easy to observe, the imaging is wider, and the 2.8 TFT LCD observation is more intuitive

Thermal sensitivity: <50mK / Field of view: 56°*42.2°

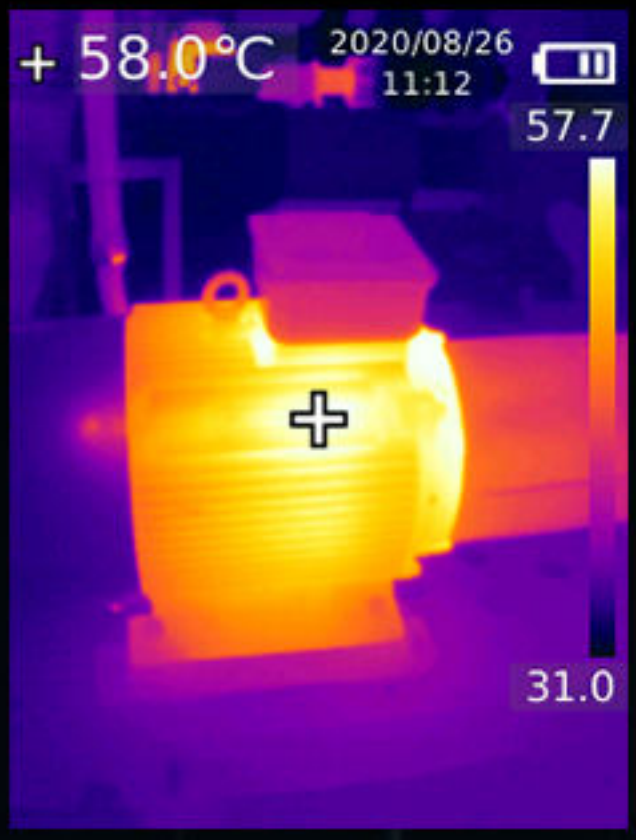


80x60



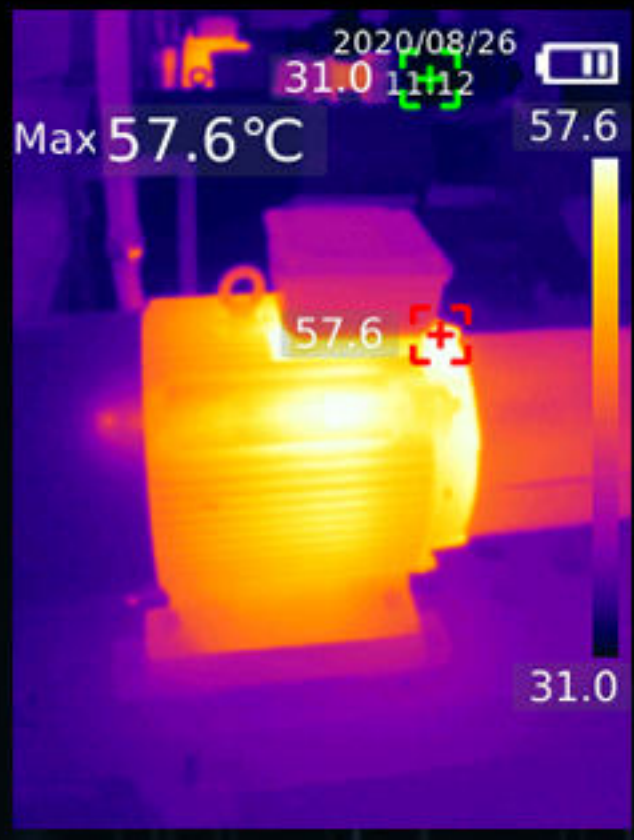
200×150

256×192
(UTi260B image is clearly visible)



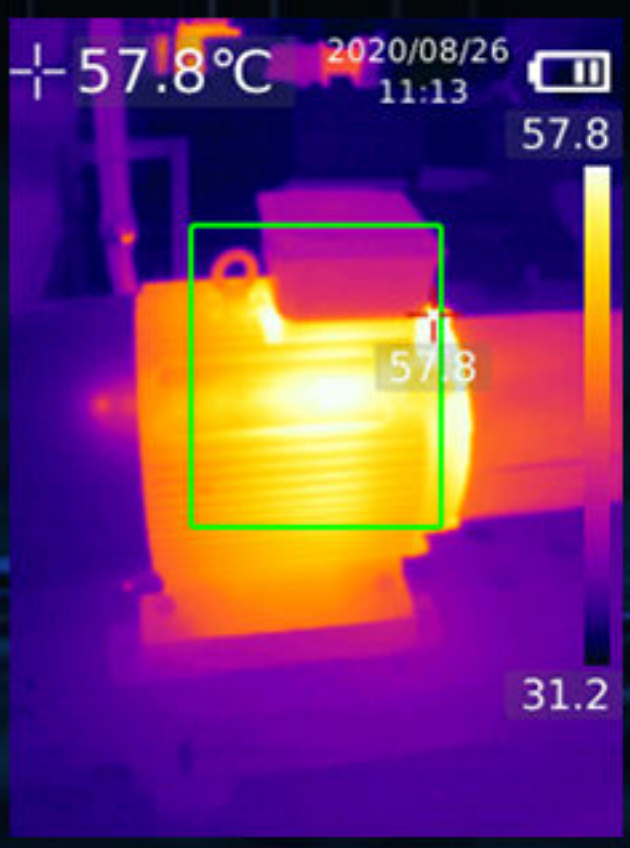
Center point temperature measurement

Accurately confirm the measurement temperature point



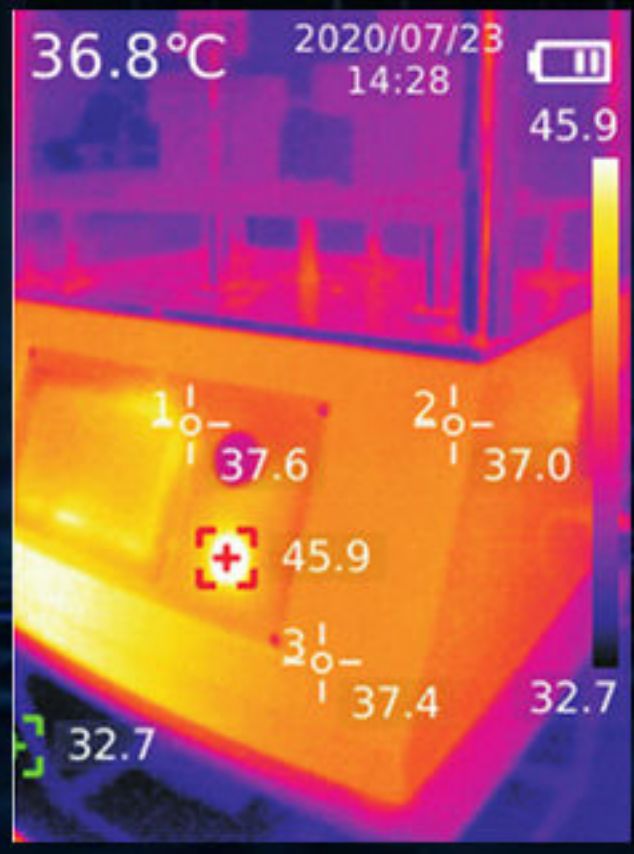
High and low temperature automatic tracking

Quickly confirm the hot and cold temperature points to confirm abnormalities



ROI temperature measurement function

Select the measurement range area for temperature measurement to avoid other heat sources outside the area from affecting the measurement.



Three temperature measurement points can be added for testing

Simultaneous display of temperature

Four image modes

Equipped with four image modes: thermal imaging, visible light, fusion, and picture-in-picture to meet the needs of identifying images during measurement and subsequent viewing

Thermal Imaging

Visible light

Fusion

Picture in Picture

Fusion mode

Use combined visible light and infrared images to obtain contextual information. By using thermal images superimposed on the visible light image, you can understand the full picture of the problem before it becomes a malfunction, making your work easier. Just switch, you can adjust the degree of fusion of infrared thermal imaging and visible light image.

0% (full visible light)

25% fusion

50% fusion

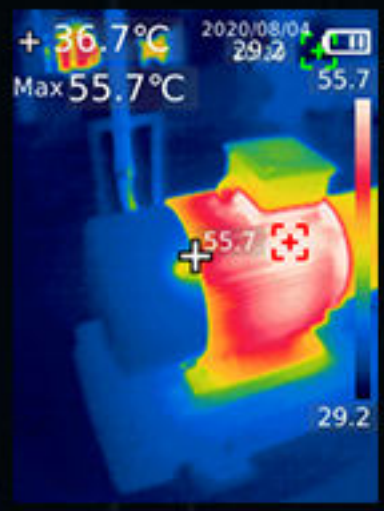
75% fusion

100% (Full thermal imaging)

7 palette style choices

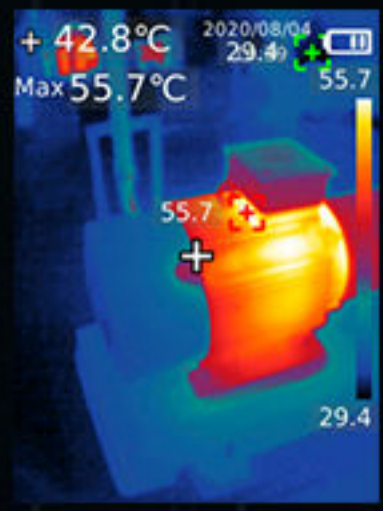
The palette menu provides iron red, rainbow, white hot, black hot, red hot, lava, high-contrast rainbow, 7 color palettes for selecting the captured infrared image mode

Iron oxide red



Rainbow

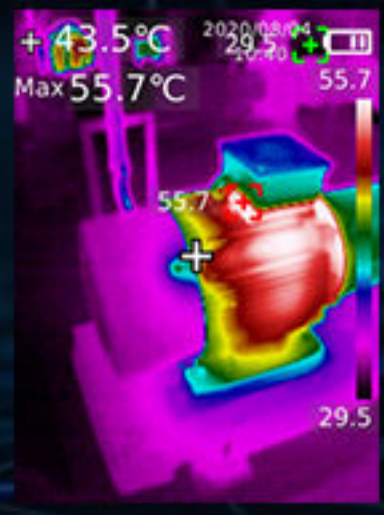
Incandescent



Lava

Black hot

Red hot



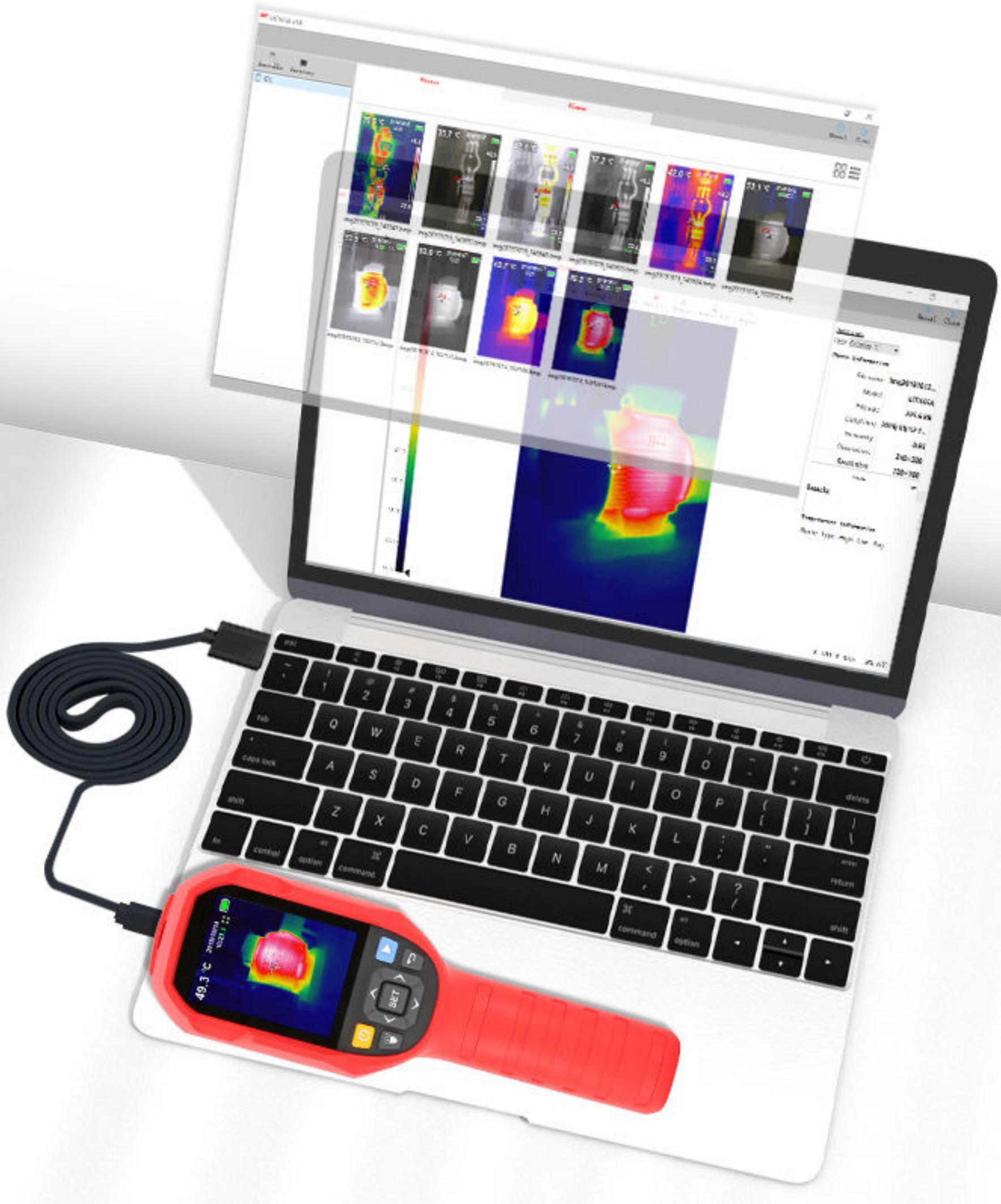
High contrast rainbow

Image projection/PC software analysis function

After the USB mode in the thermal imager is set to a USB camera, connect the USB data cable to the computer and project the image through the screen.

The upper computer software realizes: taking pictures, image projection function, PC end over-temperature alarm reminder, over-temperature automatic saving pictures.

U disk mode can be realized: browse pictures, analyze picture data, generate reports and export PDF documents



Large capacity battery

3.6V/5000mAh rechargeable lithium polymer battery, battery life is not less than 6 hours, escort your continuous work.

Type-C USB

Plug the Type-C USB in front and back to connect PC analysis software and charging function, which is convenient and fast.

Detailed parameters

Picture browse button

Power button

Illumination button

Up, down, left, and right navigation keys, function keys

Return key

Size: 236×75.5×86mm


SD card slot
USB interface
Flashlight
Visible light window
Thermal imaging window
Camera trigger button

Technical parameter

Temperature range	-15°C ~ 550°C (5°F~1022°F)
Precision	±2°C/±2% whichever is greater
Sensor	Uncooled focal plane
Mode	High gain: -15°C~150°C, low gain: 150°C~550°C
Corresponding time of temperature measurement	⩽500ms
Thermal imaging pixels	256*192（49152）
Pixel size	12um
Swatches	White hot, black hot, iron red, lava, rainbow, high contrast rainbow, red hot
Infrared spectrum bandwidth	8~14um
Field of view	56°（H）*42.2°（V）
IFOV	3.8mrad
Thermal imaging sensitivity	<60mK
Frame rate	<25Hz
Temperature measurement display	Central point temperature measurement, high temperature tracking and key area temperature measurement (ROI), the default is high temperature tracking