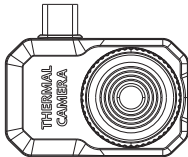


USERS MANUAL

Mobile Phone Infrared Thermal Imager



Before using the instrument, please read this manual carefully, and save it well for future using.

Overview

This mobile phone infrared thermal imager is a portable infrared thermal imaging analyzer with high precision and quick response, which adopts an industrial-grade infrared detector with small pixel spacing and high resolution ratio, and is equipped with a 3.2mm lens. The product is lightweight and portable, and can be used directly when plugged in. With the customized professional thermal image analysis APP, it can be connected to a mobile phone

to carry out infrared imaging of the target object, making it possible to perform multi-mode professional thermal image analysis anytime and anywhere.

Product Specifications

Infrared thermal imaging		
Resolution	256x192	
Wavelength	8-14 μ m	
Frame rate	25Hz	
NETD	<50mk @25°C	
FOV	56° x 42°	35° x 27°
Lens	3.2mm	

Temperature measurement range	-15°C~600°C
Temperature measurement accuracy	$\pm 2^{\circ}\text{C}$ or $\pm 2\%$ of reading
Temperature measurement	Highest, lowest, central point and area temperature measurement are supported
Color palette	6
General items	
Language	English Chinese

Working temperature	-10°C - 75°C
Storage temperature	-45°C - 85°C
IP rating	IP54
Net weight	20g

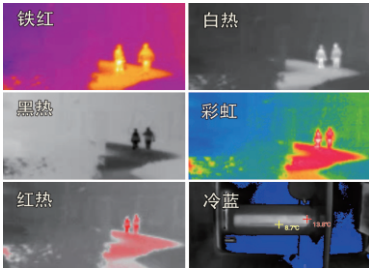
Key features

Setting	Provide App interface and parameter setting of infrared thermal imaging camera
Reset	Reset all kinds of information in the screen and restore it to the state at startup
Photo Taking	Take photos and store them in an album
Video Recording	Make a video recording and store it in an album
Album	Store photos and videos
Infrared thermal imaging	Display infrared thermal imaging

Temperature color bar	Display the maximum temperature and minimum temperature in the current screen with different color block bars
Color palette	Different color palette can be switched to change the color of the video
Regional Temperature Measurement	Points, lines and boxes can be added to measure temperature in different regions
Temperature Tracking	The current maximum temperature, minimum temperature and center point temperature in the screen can be tracked

Highlight Rectangle Temperature	The current temperature in all rectangular boxes can be highlighted. If the current screen does not have a rectangle, one will be added automatically
High Temperature Alarm	The high temperature alarm threshold can be set. If the temperature in the video exceeds the threshold value, a sound and screen alarm will be issued
Highlight High-temperature Regions	The maximum-temperature region in the screen can be displayed

Display mode



Packing list

- Mobile Phone IR Imager
- Lens cleaner
- Instruction Manual

Notice

1. Please don't use alcohol, detergent and other organic cleaners to clean the lens. It is recommended to wipe the lens with soft objects dipped in water.
2. Do not immerse the camera in water

- 3.** Do not let sunlight, laser and other strong light sources directly illuminate the lens, otherwise the thermal imager will suffer irreparable physical damage.

Note: use after turning on OTG function in the settings.



Please scan QR code to download App



Warnings and safety information

For all information on handling and use, please refer to the instruction manual or product label. Before using the products, read its contents and follow the instructions contained therein.

Also read the following information before use:

Safety of use

1. Use measuring tools for their intended purpose. Do not use measuring tools for tasks for which they were not designed to avoid damage or erroneous measurement results.
2. Always make sure a tool is in good working condition before using it. Damaged tools, such as cracked cases or damaged displays, can lead to incorrect measurements or risk of accidents.
3. Calibrate measuring tools regularly to ensure accuracy and reliability of measurements. Incorrectly calibrated devices can lead to erroneous results.

Precautions

1. Use appropriate eye protection, especially when working with measuring tools that may emit radiation.
2. Keep measuring tools away from children and untrained people to prevent accidental damage or misuse.
3. Avoid using measuring tools in extreme conditions of temperature, humidity or in an atmosphere with a high concentration of dust, which can affect their accuracy and functionality.
4. Be careful not to damage delicate measuring components (e.g., sensors, probes) when working with measuring tools.

Safe use

1. Always make sure that the measuring tool is properly aligned and fixed to avoid measurement errors or damage.
2. Use measuring tools only in designated areas that provide adequate stability and minimize the risk of accidents, such as slippery or uneven surfaces.
3. Never take measurements on live components or in conditions that may pose a safety hazard.

Rules for use in appropriate conditions

1. Store measuring tools in a dry, cool place, away from moisture and direct sunlight, which can damage the devices or affect their accuracy.
2. When using measuring tools, make sure they are well seated and will not be subjected to shocks or impacts that can damage them.
3. Avoid using measuring tools in areas with extreme conditions, such as high vibration, hot surfaces, dust, or moisture, unless the tool is rated for this by the manufacturer.

Maintenance instructions

1. Regularly check the condition of measuring tools, especially measuring components (e.g., sensors, probes, displays) and batteries.
2. Follow the cleaning instructions provided by the manufacturer. Use appropriate cleaning materials (e.g., soft cloths) to avoid damaging delicate components.
3. Calibrate measuring tools regularly, according to the manufacturer's recommendations, to maintain measurement accuracy.

Safe disposal

1. Dispose of used or damaged measuring tools in accordance with current environmental and electronics recycling regulations.
2. Do not dispose of measuring tools in regular waste containers, as they may contain elements harmful to the environment.
3. Contact local authorities or recycling companies for information on proper disposal of used measuring tools.

Statement of compliance

The products have been designed in accordance with the safety requirements of **Regulation (EU) 2023/988** on general product safety, ensuring their compliance with applicable standards for the safety and health protection of users.