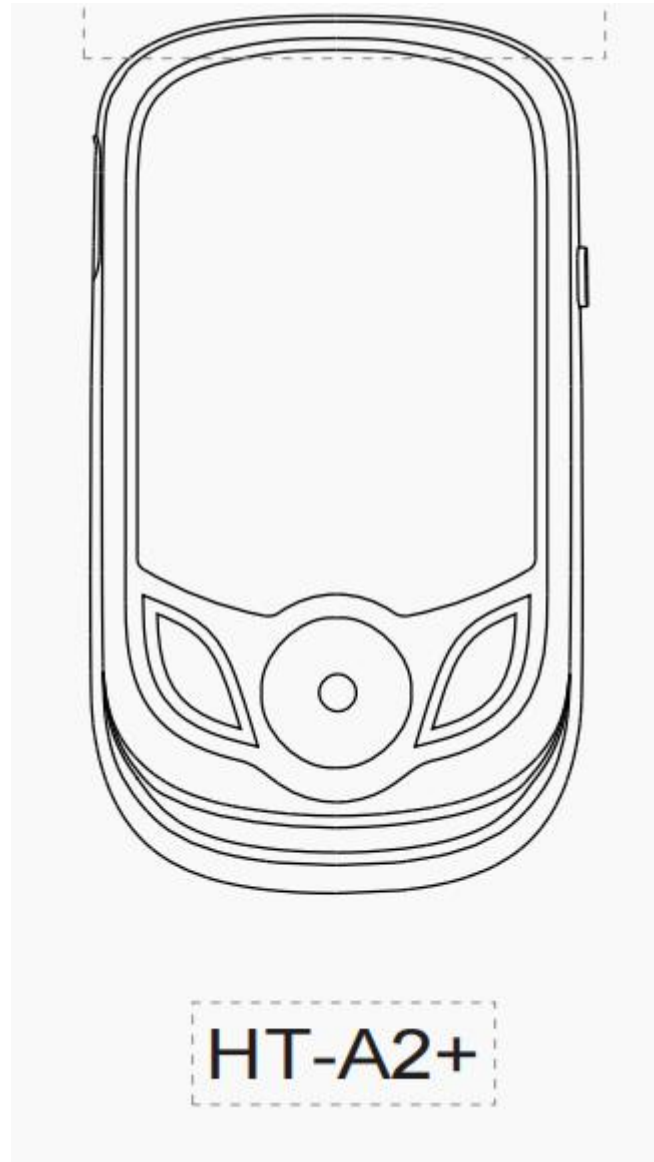


# Infrared thermal imager



## introduction

Dear users:

Hello! Thank you for purchasing our meter, in order to ensure that you can use it better, we remind You read the instructions carefully before use, and it is recommended that you keep it safe for future use Check.

## Safety notice

Before using this product, please ensure that you have read and understood the safety precautions described below In order to be able to use this product correctly. The safety precautions listed below guide users to safely and correctly operate the product and avoid Causing damage to oneself, others and equipment.

## warning

Safety notice

Before using this product, please ensure that you have read and understood the safety precautions described below In order to be able to use this product correctly.

The safety precautions listed below guide users to safely and correctly operate the product and avoid Causing damage to oneself, others and equipment. Warning Indicates actions that may cause a hazardous condition to the user. To avoid electric shock or personal injury, Follow these steps.

If the case is damaged, do not continue to use it.In this case, please contact our local distributor or agent.

If the product is found smoking, sparking, burning odor, please stop using immediately. In this case, turn off the power of the product. Wait for the smoke or smell to stop completely After that, please contact our local distributor or agent.Do not modify the adapter and data cable.Otherwise, such modifications may cause short circuits or fire.Do not weld batteries without permission.Such operations may damage the battery, causing it to leak and explode.

Do not let the battery be impacted (such as bumping, falling, etc.).Such operations may damage the battery case, causing the battery to leak and explode.Unplug the adapter from the electrical outlet when not charging.After the adapter is powered on for a long time, it may overheat, deform and even fire.Make sure the adapter is plugged into the specified power outlet. Adapter plugs vary by region, before use, please confirm the specifications of the adapter and your Whether the electrical specifications in the region are consistent, otherwise, it may lead to overheating, electric shock,Fires, chemical leaks inside batteries, explosions, and other serious consequences. When the plug or wire of the adapter is damaged, stop using it immediately. Make sure the adapter is fully plugged into the socket before charging the instrument.

Do not touch the wire with wet hands. Touching a wire with wet hands can cause electric shock. When pulling out the wire, you should hold the wire head tightly again Pull out the wires. Do not pull the wire directly, otherwise it may cause wire breakage, electric shock and fire Dammit.

Do not immerse or drench the product in water.

If the shell gets water or other liquid, dry it immediately. If water or other liquids flow in Inside the instrument, please turn off the power immediately, continued use may cause damage to the product. Periodically remove dust from adapter plugs and data cables.

Prolonged exposure to dusty and humid environments may cause dust to accumulate around electrical equipment Moisture, may cause short circuit and fire. Please use our original adapter to charge the product. The use of power accessories that are not original to the product may cause overheating, electric shock, fire, and electricity Chemical leakage inside the pool, explosion and other serious consequences.

Do not use abrasive, isopropyl alcohol, or gaseous organic solvents to clean the product shell.

Such operations may damage the casing of the product. After prolonged use, the temperature of the product may rise. You may feel hot when your hand touches the adapter.

Avoid problems caused by condensation. Taking the product from high temperature to low temperature, or from low temperature to high temperature, may cause the product to fail

Condensation (water droplets) is produced on the shell and inside. In this case, you can put the product in the random attached In the instrument package sent, the product is gradually adjusted to the ambient temperature before use, and then the product is taken out to operate.

If condensation has occurred inside the product, please turn off the device immediately and remove and remove the battery, otherwise, it will

It is possible to damage the equipment. Do not proceed until the condensation has completely disappeared. Please avoid impact on the product (such as bumping, dropping, etc.).

This operation may cause damage to the product, please be careful to avoid.

Long-term storage and regular charging.

Do not use the product for a long time, please place in a cool and dry environment. If long-term storage fitted Battery products, please charge regularly, otherwise the power will run out, and will shorten the use of the battery Life span.

#### Instruction

This product is a lightweight, portable, simple operation, a wide range of applications of the monocular handheld infrared telescope Mirror. Comfortable to look at and provide clear, delicate thermal imaging, ideal for outdoor equipment. Support a variety of pseudo-color modes, one-click switch, you can timely distinguish the location of the target in the scene. To take an image, you can save the thermal image to this device, read the image via USB or Save it to your computer for report generation and printing.

## General operating instructions

### Product power on/off

Press and hold the "/MENU" key for more than 3 seconds to turn on or off the thermal camera.

### LCD display

After the machine is turned on, the screen displays the thermal imaging status.

### Switching between infrared thermal image and visible image.

When using the product, press the key of "◀" or "▶" to achieve infrared thermal images and visible light Switching of image fusion degree (fusion degree is 0%, 25%, 50%, 75%, 100%, respectively).

### Image capture

Press the image capture key. When the capture succeeds, the "Save image?" will appear on the screen. Of the prompt, If you want to select "Yes" at this point, press the "/MENU" key to make sure the image is saved. If you want to SELECT "No", press the "SELECT/ENTER" key to make sure the image is not saved.

### Video recording

On the normal startup screen, press and hold the capture button. "Start Recording?" will be displayed. The If you want to select Yes, press the /MENU key or capture key to start Record. If you want to SELECT No, press SELECT/ENTER to cancel recording. record Press and hold the Capture button again to end the recording.

### Image export

The captured and saved images can be viewed and exported via a Type-C USB connection to a computer.

### Read image

Open the USB protection cover, as shown in Figure 1, and connect the USB port with a Type-C USB cable Connect to your computer to read images or save them to your computer. Verified operating systems are: winxp, win7, win 8, win10, Windows 11, Apple system.

### Delete image

While browsing the image, click the button in the lower right corner of the screen, and the screen will pop up whether to delete the current image Click "Yes" to delete the current picture, click "no" to not delete the current picture Close the current dialog box.

"Emissivity" submenu

Emissivity description

This product emissivity can be adjusted from 0.01 to 1.00, and the default value is set to 0.95. Many common objects

And materials (such as wood, water, skin, and fabric) reflect energy effectively, so they are easily available

Get relatively accurate measurements.

When measuring rough objects that are "prone to radiating energy", the emissivity is usually set to 0.95. antithetical

The emissivity of semi-matte objects with slightly lower emission energy is about 0.85, while the emissivity of semi-gloss objects is about 0.85

The emission rate is about 0.6. Shiny objects are classified as low radiation coefficient materials, and the emissivity is generally measured

It is often set to 0.3. Setting the emissivity value correctly will give you the most accurate temperature measurement

Always important.

Surface emissivity can have a huge impact on the measured surface temperature of the product

The emissivity allows you to obtain more accurate temperature measurements.

## **FCC Statement:**

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: 1)

this device may not cause harmful interference, and 2) this device must accept any interference received,

including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to

Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful

interference in a residential installation. This equipment generates, uses and can radiate radio frequency

energy and if not installed and used in accordance with the instructions, may cause harmful interference to

radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try correct the interference by one or more of the following measures:

- Reorient the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into and outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.
- Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.