

# Thermal Imaging Monocular S24X

## Quick Start Guide

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### Buttons & Functions



#### Power



- Long press to turn on/off the thermal imager, and the green indicator light will be on after turning on.
- Short press for dormancy, in dormancy, press any key to wake up.

#### Color palette



- Short press to switch polarity.
- Long press to turn on the laser.

#### Zoom in



- Short press to zoom in by step, long press to zoom continuously, 1.0~4.0 times in cycle.

#### Photo



- Short press for photo taking, long press to start recording, short press again to end recording.

## Combination buttons:



- Long press the “Photo”button and “Zoom” button at the same time to manually correct the image.

## Diopter adjustment button

- Adjust the diopter of the knob according to the degree of myopia.

## Enter user men

- Long press the color palette key and the zoom in key at the same time to enter the menu mode.



- Contrast setting: 0~100% adjustable, the factory default is: 50%, can be adjusted according to the on-site environment by pressing the "zoom in" or "photograph" button.



- Brightness setting: 0~100% adjustable, the factory default is: 25%,can be adjusted according to the scene environment by pressing “Zoom” or”Photo” buttons.



- Image enhancement setting: 0~15 Factory default: 10, press the "Zoom" or "Photograph" key to adjust according to the on-site environment to obtain a clearer image.



- Red display setting: -100%~100%, (factory default: 10%) is the range value of trigger display red, which can be adjusted by pressing the "zoom in" or "photograph" key according to the on-site environment.



- WIFI switch function setting, press the "zoom" button to turn on (AP), after the icon flashes, connect it to the APP; press the "photograph" button to turn off (N) WIFI function, and the icon will appear in the upper right corner of the image after it is turned on.

**Note:** Turning on Wi-Fi for a long time will increase the power consumption of the instrument and shorten the standby time of the instrument. Please close this function when it is not in use.

Search "IR-TRACKER III" in the Apple IOS system and install and run the program, find the

instrument hotspot "WiFiV\_XXXXXX" in the mobile phone, connect and enter the password "12345678", after the connection is successful, open the mobile phone "IR-TRACKER III" software, Click the software "connect" to see the image, and the functions of image taking, video recording, playback and storage can be realized through the mobile software.

**In Android phones, you can download the mobile client program from the official website and install it.**

-  Distance estimation function setting, after it is turned on, the distance of a specific target on the scale can be automatically displayed, and the range can be adjusted by pressing the "zoom in" or "photo" key.
-  Picture in picture function setting, can press "Zoom" or "Photo" button to turn on or off the display.
-  Hot spot tracking function, press the "zoom" or "photograph" button to turn on or off, and it automatically track the highest temperature point on the display screen after turning it on.
-  Display sleep time setting: 0/5/30/60 (min), factory default: 0. Press the "Zoom" or "Photograph" button to adjust.
-  Cursor setting, press "Zoom" or "Photo" key to switch between cursor type and cursor display position, the position is adjustable, and it is saved after adjustment.
-  Image brightness setting: 20/40/60/80/100. Factory default: 60. Press the "Zoom" or "Photo" button to adjust.
-  The system upgrade option can be turned on or off by pressing the "zoom in" or "photograph" button. To upgrade the system, the upgrade program must be stored in the built-in memory card of the instrument through the computer, and then click this option to

upgrade.



- When formatting the memory card, you can press the "Zoom" button to turn on the "Y" formatting, please do not do other operations after it is turned on, a box will pop up after the format is successful, and the "N" option will be turned off automatically. Note: All files in the built-in memory card will be deleted after formatting, please operate with caution.
- Long press the color palette key and the zoom in key at the same time to exit the menu mode.

## USB charging/data interface

- When charging, remove the interface cover at the bottom of the instrument and insert the USB charging cable (voltage DC5V/2A) for charging.
- The red indicator light means charging, and the green indicator light means the charging is completed.
- Remove the interface cover at the bottom of the instrument and connect the computer with a USB cable to copy photos and video data files.

## Video output

- Open the video interface cover at the bottom of the instrument when it is in use, and insert the configured video cable, which can be connected to the display or other long-distance transmission.

## Precautions

- Because the uncooled infrared telescope uses a very sensitive thermal sensor, it is not allowed to directly aim the lens at a strong radiation source (such as the sun, direct or reflected laser beam, etc.) under any circumstances (turn on or off), otherwise it will cause permanent damage to the refrigerated infrared telescope!
- Use a lens cloth and water to gently wipe clean, do not use organic solvents or sharp hard objects to clean the infrared lens, so as not to cause the lens film to fall off!
- After the laser indicator function is turned on, do not irradiate human eyes to avoid injury!

- Please check the power when the instrument is used for the first time. If it is necessary, charge it for three hours before using it. When USB charging, please place the instrument at room temperature.
- Do not open the case or modify it without authorization. Maintenance can only be carried out by authorized personnel of our company.