



# Explorer

Thermal Sight User Manual

## Safety Guidelines

- This manual is intended to ensure users operate the product correctly to avoid hazards or property damage.

## Legal Compliance

- Strict adherence to local electrical safety regulations is required when using this product.

## Transportation

- Keep the equipment in its original packaging or equivalent packaging during transport.
- Retain all packaging materials after opening for future use. Should any malfunction occur, you must return the device to the factory with its original packaging. Shipping without original packaging may cause damage, for which our company assumes no liability.
- Avoid dropping the product or subjecting it to physical impact. Keep the device away from magnetic interference during use.

## Power Supply

- Chargers must be purchased separately. Input voltage must comply with IEC 62368 standards (specification: DC 5V, 1A). Refer to technical specifications for details.
- Use power adapters supplied by qualified manufacturers. Refer to product specifications for detailed power requirements.
- Ensure the plug is securely connected to the power outlet.
- Do not connect multiple devices to a single power adapter to avoid overloading, which may cause overheating or fire hazards.

## Battery

- Improper battery use or replacement may pose an explosion hazard. Replace only with the same or equivalent type.
- This device supports 3.7V rechargeable lithium batteries.
- The battery size is 18340 lithium-ion, and specifications meet IEC61233 standards.
- Improperly sized batteries may cause abnormal shutdowns.
- Ensure no flammable materials are within 2 meters of the charger during charging.
- Do not place batteries near heat sources or open flames. Avoid direct sunlight.
- Keep batteries out of reach of children.

## Maintenance

- If this product malfunctions, contact your dealer or nearest service center. We assume no liability for issues arising from unauthorized repairs or maintenance.
- If necessary, gently wipe the device surface with a clean cloth and minimal ethanol.
- Protection provided by the device may be compromised if used in ways not specified by the manufacturer.

## Operating Environment

- Ensure the operating environment meets device requirements. The device should operate at temperatures between -20°C and 50°C (-4°F to 122°F) and humidity levels of 95% or lower.
- Do not expose the device to high electromagnetic radiation or dusty environments.
- Do not point the lens toward sunlight or any other intense light source.
- When not in use, store the device in a dry, well-ventilated environment.
- When using any laser equipment, ensure the device's lens is not exposed to the laser beam, as this may cause damage.

## Emergency

- If the device emits smoke, unusual odors, or abnormal noise, immediately turn off the power, remove the battery, or unplug the power cord, and contact the service center.

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# 1 Overview

## 1.1 Equipment Description

This device is equipped with a high-sensitivity infrared detector and utilizes advanced thermal imaging technology to provide clear visibility in low-visibility or dark environments. It facilitates target identification and distance measurement, enabling detection of moving targets and meeting outdoor operational requirements. This equipment is widely applicable for search and rescue

operations, hunting, and similar applications.



Figure 1-1 Product Image

## 1.2 Key Features

- Distance Measurement: The device detects the distance between the target and the device.
- Type-C Cable Power-On: When the battery is absent or low, connect a Type-C cable to a 5V DC power source to power on the device.
- Maximum Temperature Tracking: The device detects the highest temperature in the scene and marks the point.
- Crosshair Calibration: The crosshair aids in quickly and accurately aiming at the target.
- Client Software Connection: After connecting to a mobile device via hotspot, the CBIS-Outdoor APP enables snapshot capture and video recording on the phone.

## 1.3 Appearance

This document serves as a usage guide. Actual appearance may vary.

### 1.3.1 Buttons

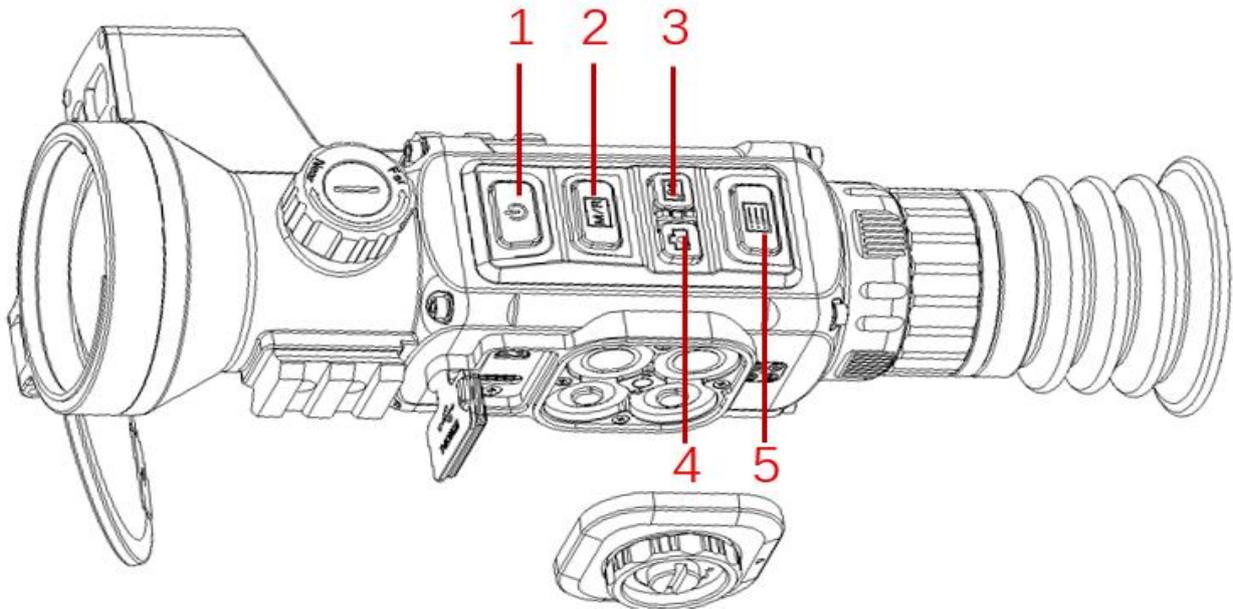


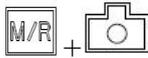
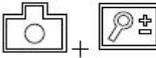
Figure 1-2 Key Layout Diagram

Table 1-1 Key Functions

S. No.	Name	Button icon	Status/Current Operating Mode	Click	Long press
1	Power button		All Modes	Standby Switch	Power Off
2	M/R button		Main Interface	Quick Function, Default Laser Rangefinder	Set Quick Functions
			Menu Mode	Back to Previous Level	Exit to Main Screen Without Saving
3	Shutter button		Main Interface	Take Photo	Video Recording
			Menu Mode	Up/Left	—
4	Zoom button		Main Interface	Electronic Zoom	Image Correction
			Menu Mode	Down/Right	—

5	Menu button		Main Interface	Pseudo-Color Switch	Enter Menu Mode
			Menu Mode	Confirm	Save and Exit to Main Screen

Table 1-2 Key Combination Functions

Name	Button Icon	Status/Current Operation Mode	Press simultaneously
M/R + Capture Key		Main Interface	Show/Hide Icons
M/R + Zoom Key		Main Interface	Target Tracking
			(Only effective when Target Tracking is enabled in the menu)
Capture Key + Zoom Key		Main Interface	Enable Laser Rangefinder

### 1.3.2 Interface

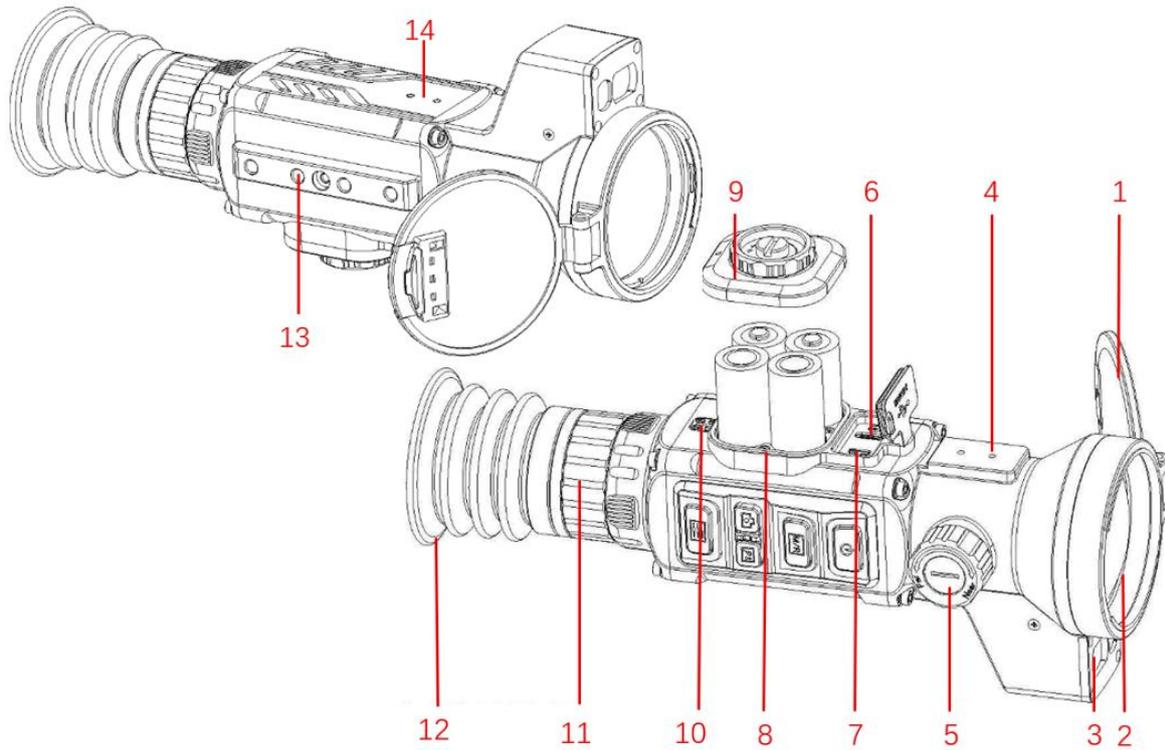


Figure 1-3 Interface Diagram

Table 1-3 Interface Description Table

Serial No.	Name	Description
1	Lens cap	Infrared Lens Protective Cover
2	Objective lens	50mm Infrared Lens
3	Laser module	Laser Rangefinder
4	Rail 1 mounting hole	Rail 1 Mounting Position

5	Objective lens focus knob	Adjusts imaging clarity during rotation
6	Type-C port	Connects to computer via Type-C data cable for data transfer
7	HDMI port	Synchronizes video images on HDMI display via HDMI-D communication cable
8	Battery compartment	Battery Installation
9	Battery compartment cover	Securely connect battery
10	Microphone	Simultaneous audio recording during device operation
11	Eyepiece focus ring	Diopter Adjustment
12	Eyepiece eyecup	Light-blocking observation for eye protection
13	Mounting hole for bracket	External Mounting Bracket Installation
14	Rail 2 mounting hole	Rail 2 Mounting Position

## 2 Installation

### 2.1 Rail Installation

As shown in Figure 2-1, secure rail 1 and rail 2 to the scope's rail mounting holes using two M2.5\*6 screws each.

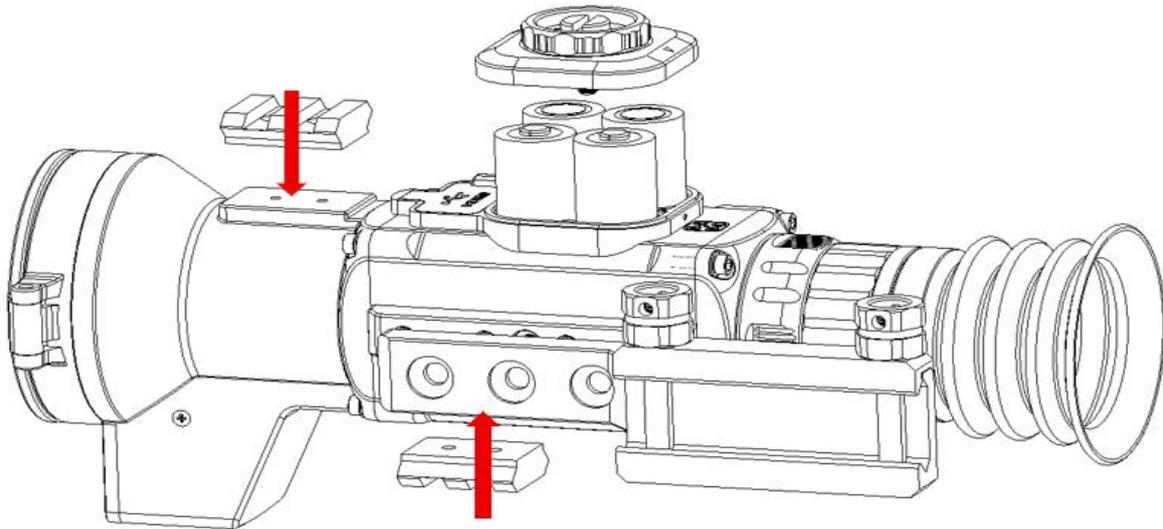


Figure 2-1 Rail Installation Diagram

### 2.2 Bracket Installation

As shown in Figure 2-2, secure the bracket to the scope's mounting holes using three M5\*10 screws.

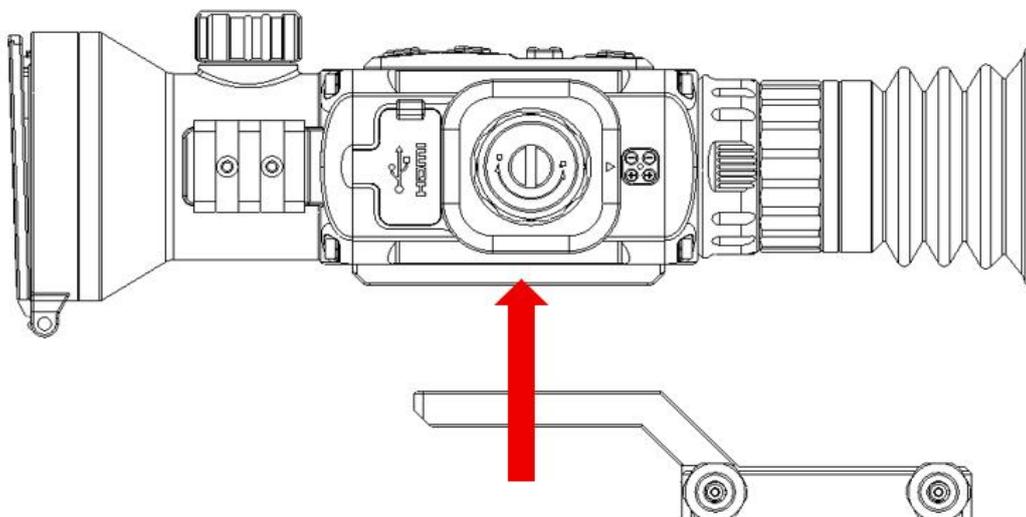


Figure 2-2

Note: The bracket has a total of 4 mounting holes (as shown in Figure 2-3 below). The bracket mounting position can be adjusted forward or backward based on the actual usage scenario.

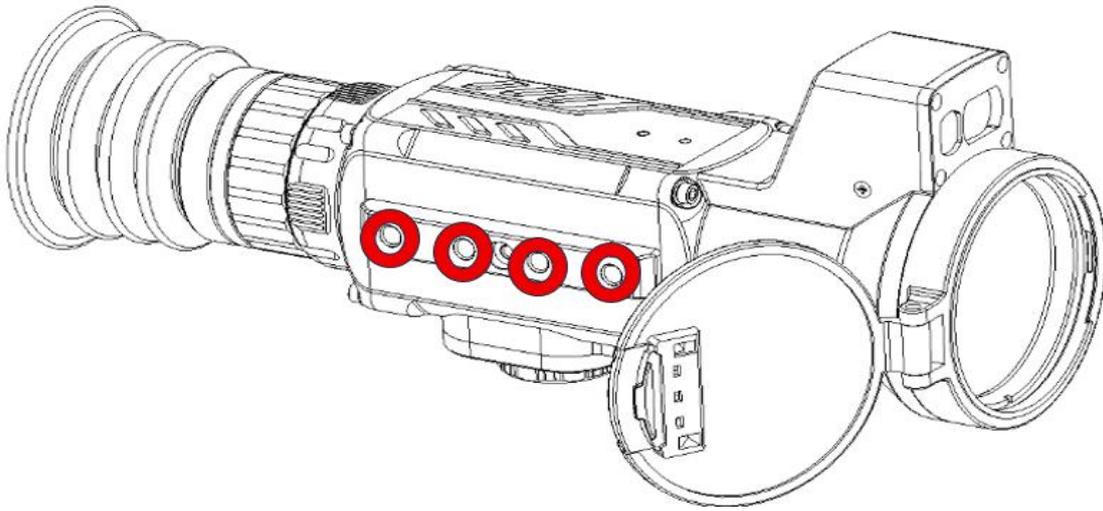


Figure 2-3

### **2.3 Battery Installation**

As shown in Figure 2-4, insert the battery into the battery compartment with the positive and negative terminals oriented as indicated, then tighten the battery cover.

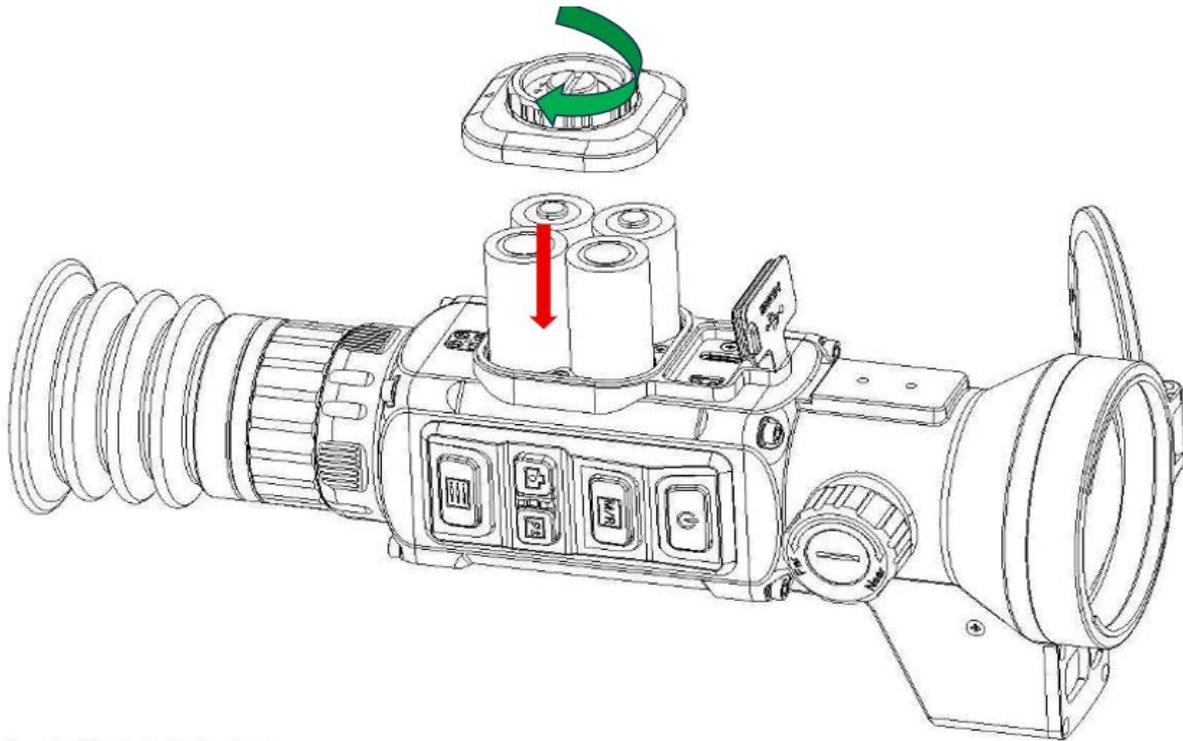


Figure 2-4

-  **Caution**
- • **This device uses 16340 rechargeable lithium batteries.**
- • **All four batteries installed in the device must be fully charged before use.**
- • **If the batteries are not fully charged, ensure all four batteries have consistent voltage values to prevent battery damage.**
- • **Remove the batteries if the device will not be used for an extended period.**

## 2.4 Power On/Off

### Power On

- After successfully installing the battery, press and hold the power button for approximately 2 seconds to turn on the scope. The display will show “Welcome”.
- When the battery is absent or low, insert the Type-C cable into the scope. Connect the other end of the Type-C cable to a DC charger (5V specification) and plug the charger into an AC power source. Press and hold the button for 3 seconds to power on the scope. After approximately 10 seconds, the display will show “Welcome”.

## Power Off

- While the device is powered on, press and hold the  key. The display will show a countdown, and the device will shut down after 3 seconds (as shown in Figure 2-5).

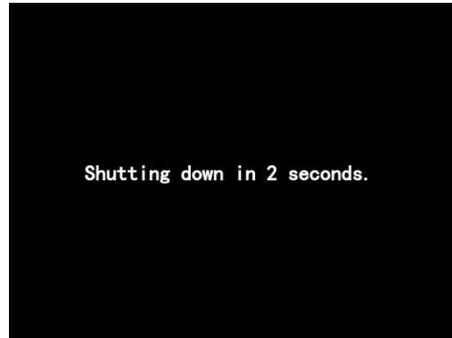


Figure 2-5 Shutdown Prompt Image

-  **Note**

- • For battery status, refer to the battery icon:  indicates full charge,  indicates low battery.
  - • When low battery is displayed, replace the battery.
- 

## 2.5 Connection

### 2.5.1 Type C Cable Connecting

With the thermal sight powered on, insert the Type-C end of the data cable into the infrared sight and the USB end into the computer (as shown in Figure 2-6).

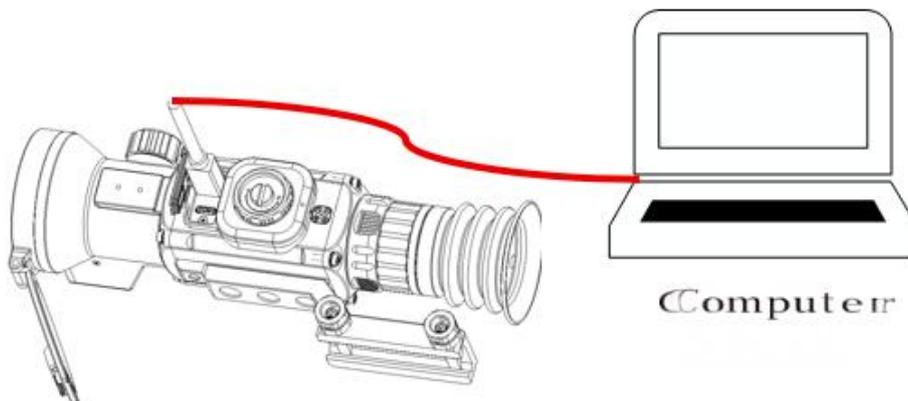


Figure 2-6 Schematic Diagram of Infrared Sight Connected to Computer

After successful connection, the “---MODEL---” drive letter will appear on your computer. Navigate to the MODEL\DCIM\FILES folder (as shown in Figure 2-7 below) to transfer data (such as photos, videos, etc.) between your computer and the device.

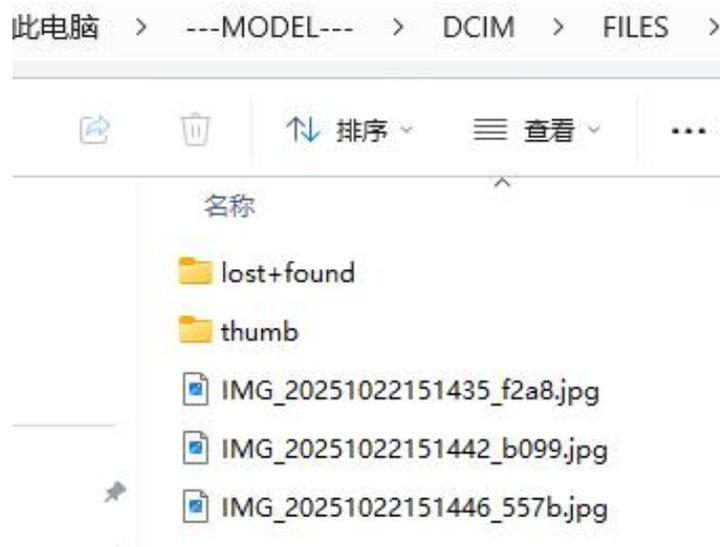


Figure 2-7 Infrared Sight Folder Diagram

### 2.5.2 HDMI Display Connecting

With the infrared sight powered on, insert the HDMI D-type connector into port 7 on the infrared sight, and connect the other end to an HDMI display (as shown in Figure 2-7 below).

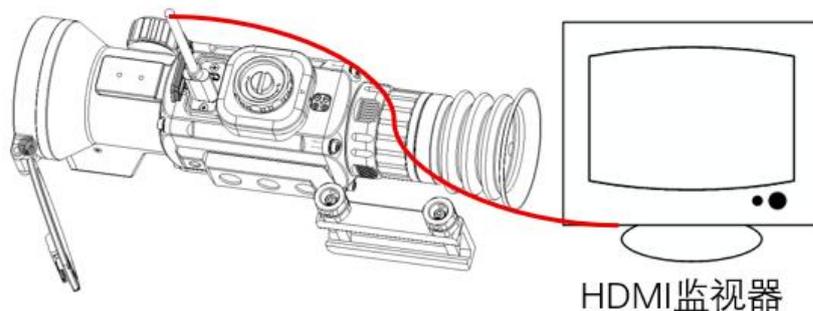


Figure 2-7 Schematic Diagram of External HDMI Display for Infrared Sight

In Advanced Settings, select the HDMI menu. Move the cursor to the “ON” option in the HDMI menu to confirm enabling HDMI functionality. The HDMI monitor will then display real-time images from the infrared sight in sync.

## 2.6 Menu Description

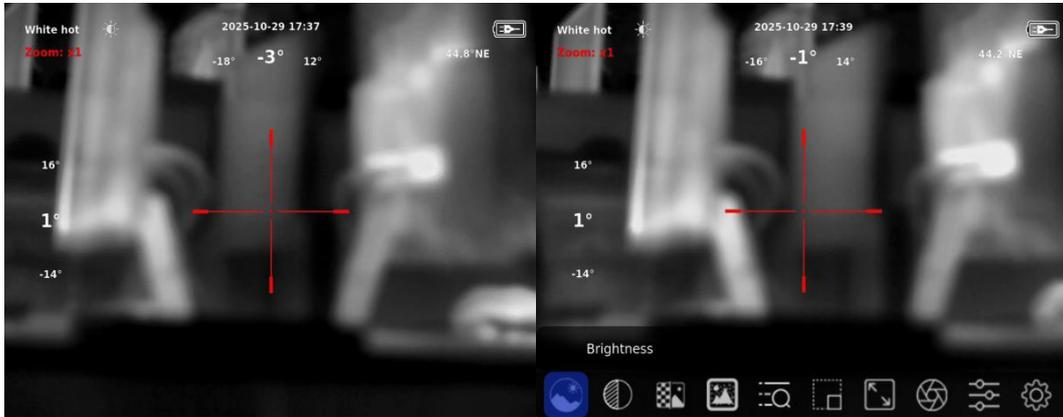
When the infrared sight is powered on, press and hold the button  to enter the main menu display interface. The physical layout of the device buttons is shown in the figure below:



- In the main menu state, the key operations are described as follows:
- Short press  Move the cursor up or to the left.
- Short press  Move the cursor down or to the right.
- Short press  Return to the previous menu.
- Short press  Confirm settings.
- Long press  Exit the main menu.

### 3 Setting

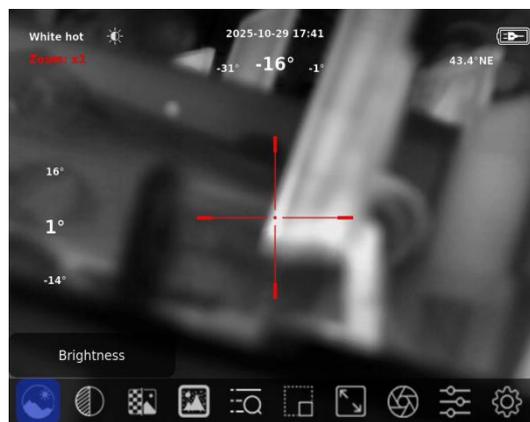
With the device powered on, Long press  Enter the main menu display interface (as shown below).



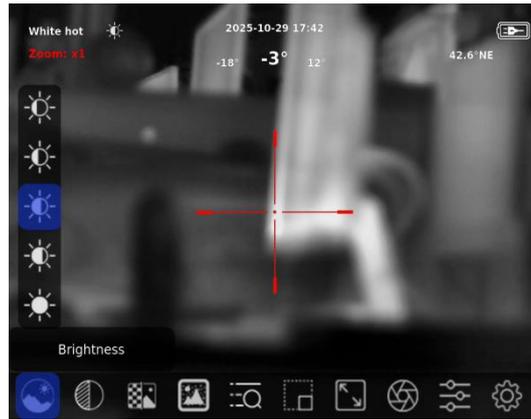
#### 3.1 Image Brightness Settings

1. In the main menu interface state

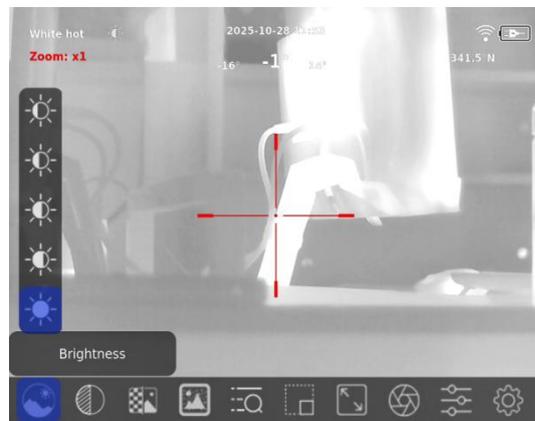
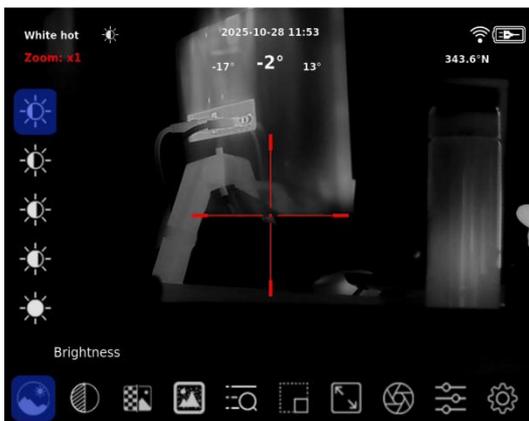
Press  or  Move the cursor to the image brightness settings icon;



2. Press  Enter the image brightness settings menu;



3. Press  or  Move the cursor up and down to select different image brightness levels.;



4. Press  Save selected settings and return to the main menu;

**Notice:** Press  Cancel settings and return to the main menu.

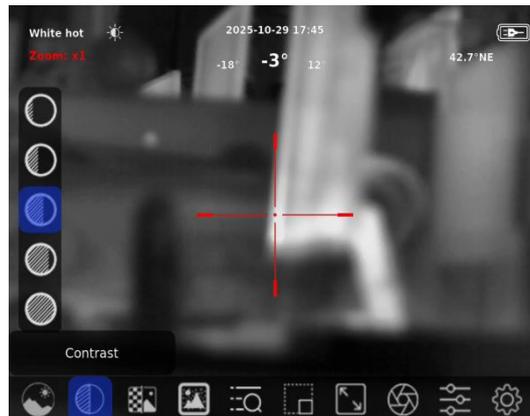
### 3.2 Contrast Settings

In the main menu interface state

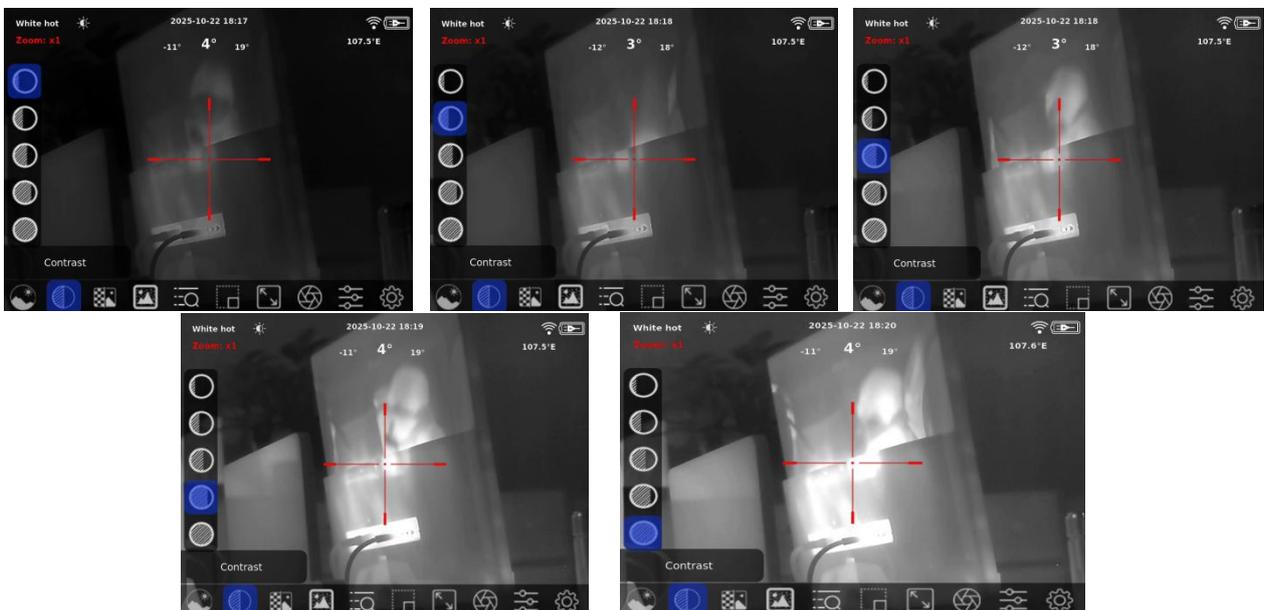
1. Press  or  Move the cursor to the image contrast settings icon;



2. Press  Enter the image contrast settings menu;



3. Press  or  Move the cursor up and down to select different image contrast levels;



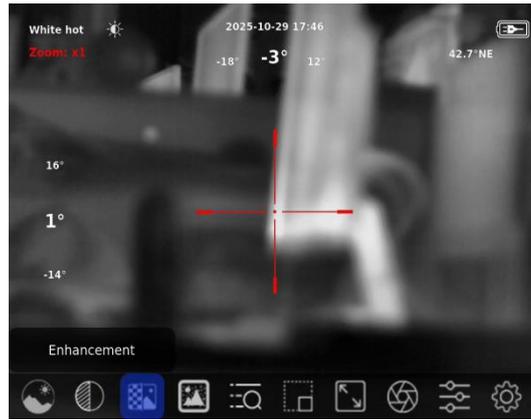
4. Press  Save selected settings and return to the main menu;

**Note:** Press  to cancel the setting and return to the main menu.

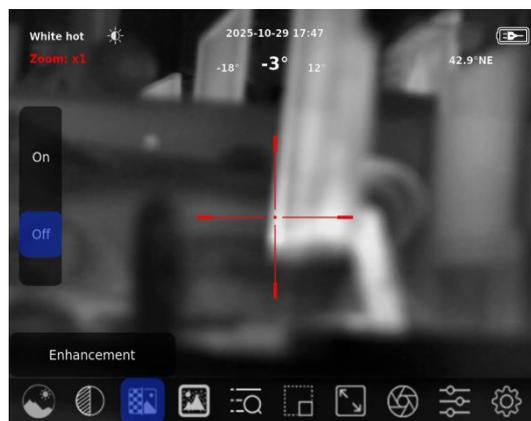
### 3.3 Image Enhancement

In the main menu interface state

1. Press  or  Move the cursor to the image enhancement icon;



2. Press , Enter the Image Enhancement Settings Menu;



3. Press  or  Move the cursor up or down to select “On” or “Off.” When “On” is selected, details become more prominent;



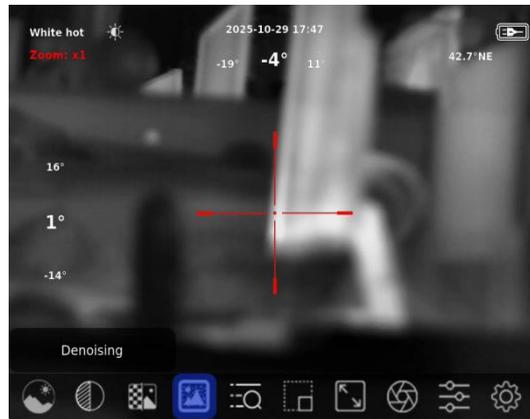
4. Press  Save selected settings and return to the main menu;

**Note:** Press  Cancel settings and return to the main menu.

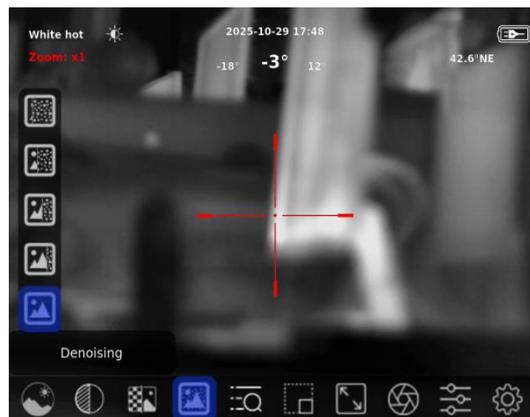
### 3.4 Image Noise Reduction

In the main menu interface state

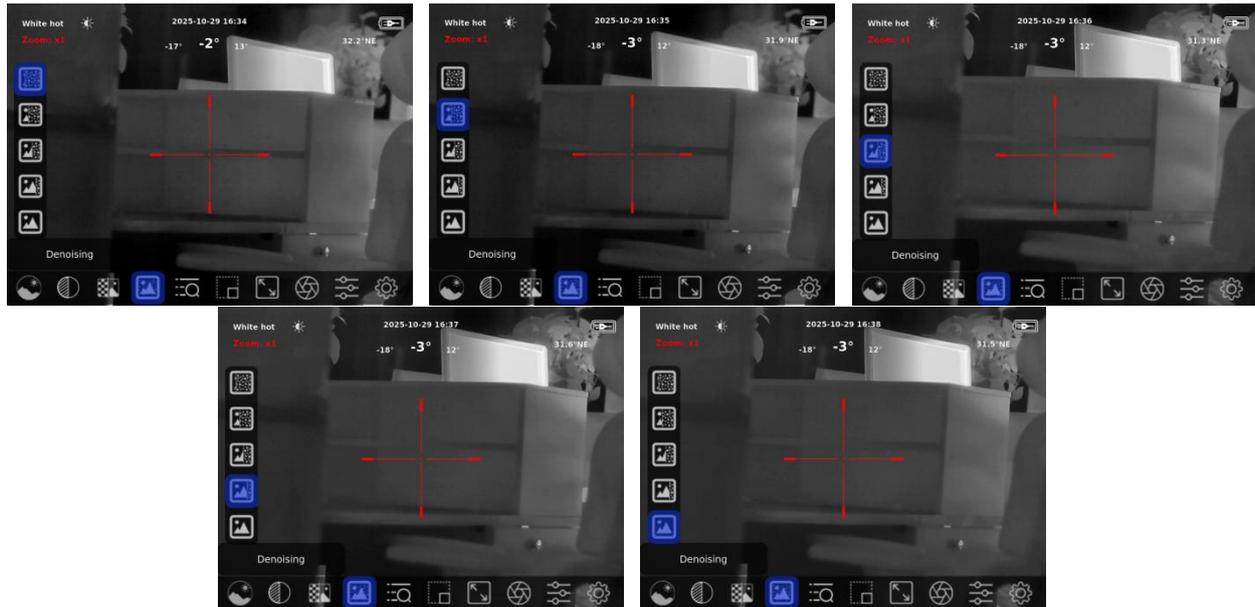
1. Press  or  Move the cursor to the image noise reduction icon;



2. Press  Enter the Image Noise Reduction Settings Menu;



3. Press  or  Move the cursor up and down to select different noise reduction levels. The image background and effects will vary accordingly;



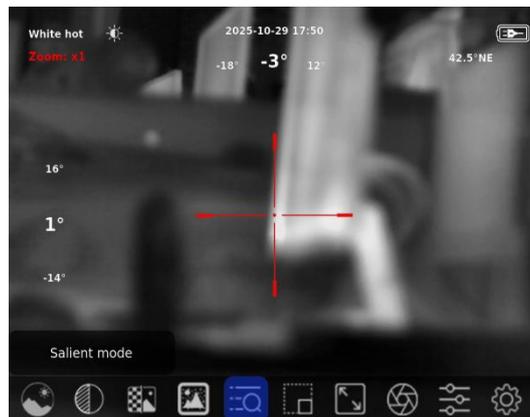
4. Press  Save selected settings and return to the main menu;

**Note:** Press  Cancel settings and return to the main menu.

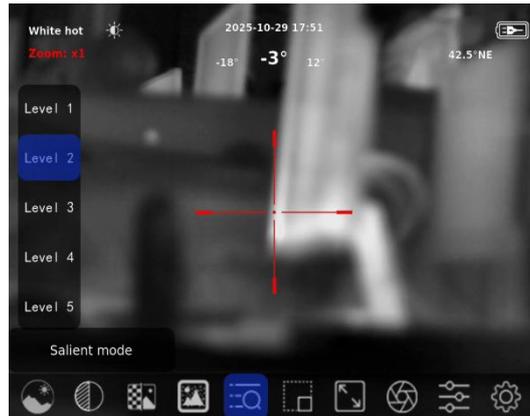
### 3.5 Highlight Mode

In the main menu interface state

1. Press  or  Move the cursor over the Highlight Mode icon;



2. Press  Enter Highlight Mode Menu;



3. Press  or  Move the cursor up and down to select different levels of highlighting mode, with varying highlighting effects.;

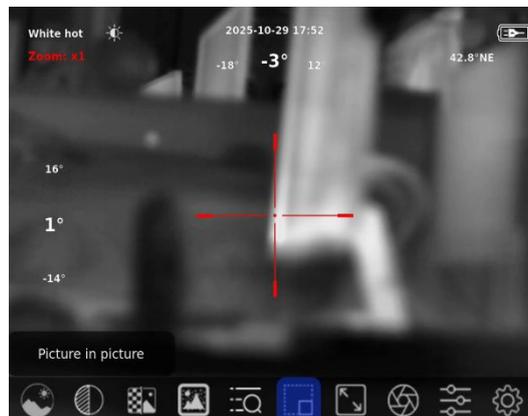
4. Press  Save selected settings and return to the main menu;

**Note:** Press  Cancel settings and return to the main menu.

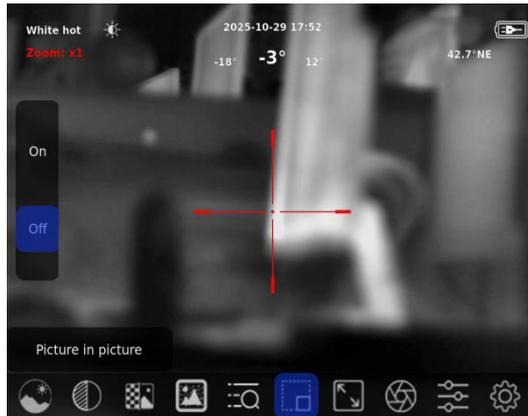
### 3.6 PIP

In the main menu interface state

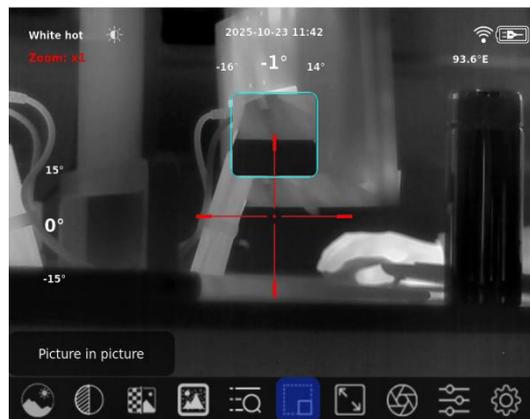
1. Press  or  Move the cursor to the picture-in-picture settings icon;



2. Press  Enter the Picture-in-Picture settings menu;



3. Press  or  Move the cursor up or down to select “On” or “Off.” After selecting On, a picture-in-picture image appears in the center of the display;



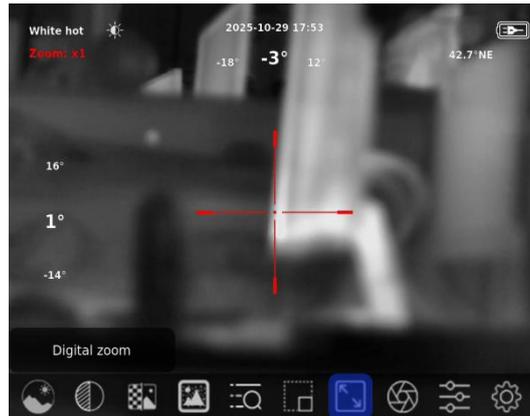
4. Press  Save selected settings and return to the main menu;

**Note:** Press  Cancel settings and return to the main menu.

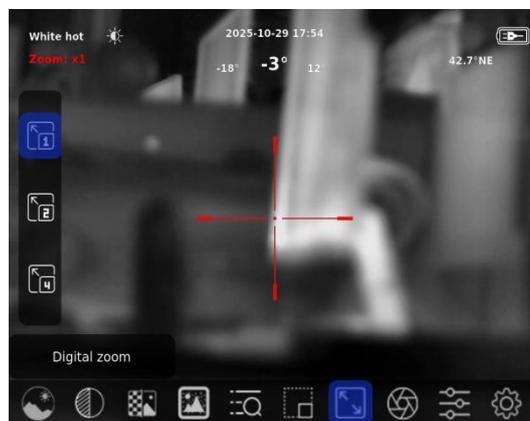
### 3.7 Digital Zoom

In the main menu interface state

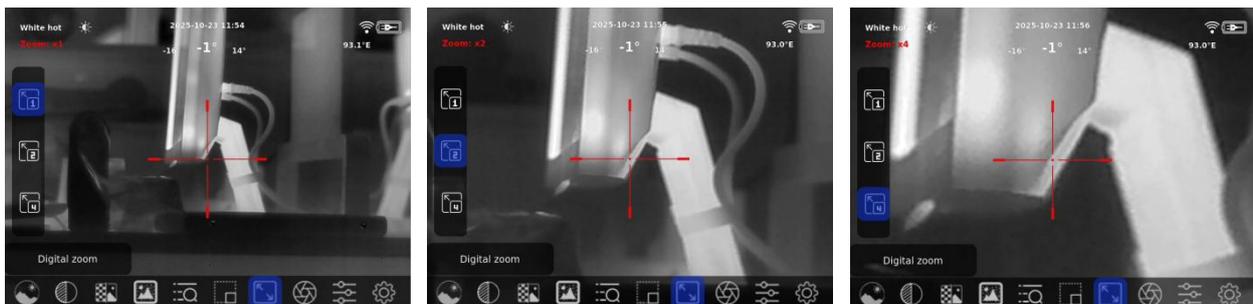
1. Press  or  Move the cursor to the digital zoom setting icon;



2. Press  Enter the electronic zoom settings menu;



3. Press  or  Move the cursor up or down to switch between 1×, 2×, and 4× real-time images;



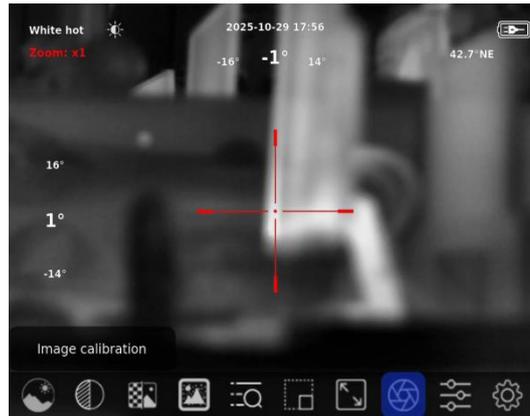
4. Press  Save selected settings and return to the main menu;

**Note:** Press  Cancel settings and return to the main menu.

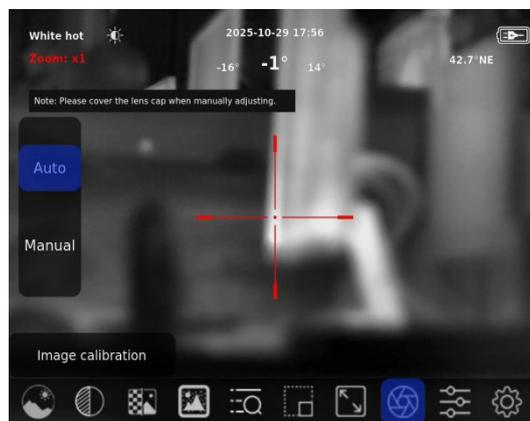
### 3.8 Image Correction

In the main menu interface state

1. Press  or  Move the cursor to the image correction settings icon;



2. Press  Enter the Image Correction Settings Menu;



3. Press  or  Move the cursor up or down to select “Auto.” Once selected, the device will automatically adjust the image quality based on environmental changes., After selecting “Manual,” press and hold  in standby mode to manually calibrate the image effect;

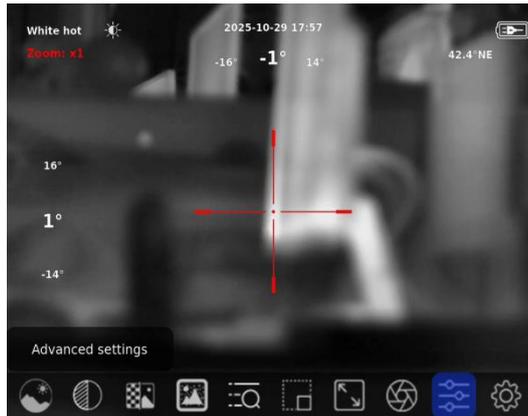
4. Press  Save selected settings and return to the main menu;

**Note:** Press  Cancel settings and return to the main menu.

### 3.9 Advanced Settings

In the main menu interface state

1. Press  or  Move the cursor to the Advanced Settings icon;



2. Press  Enter the Advanced Image Settings menu;

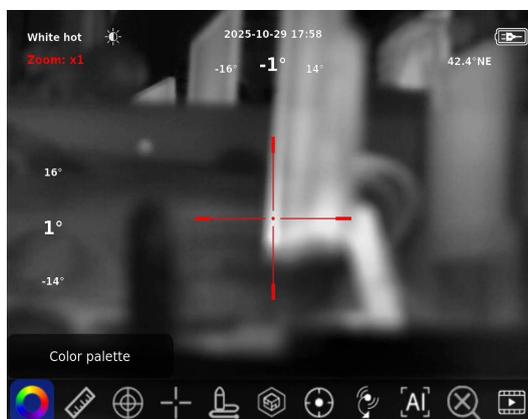


3. Press  Return to Main Menu.

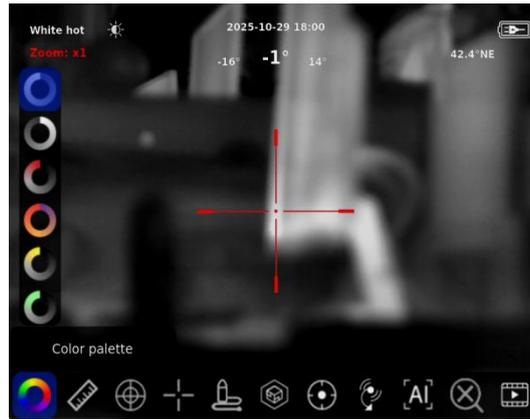
### 3.9.1 Color palette

In the Advanced Settings menu interface state

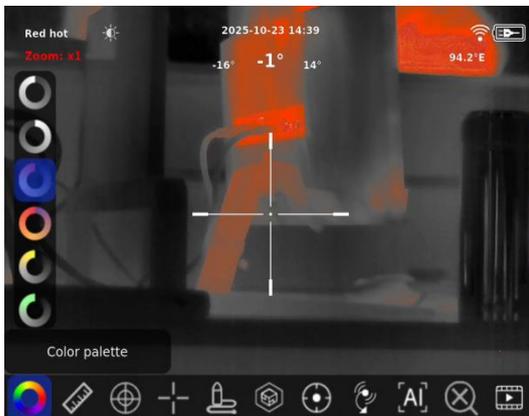
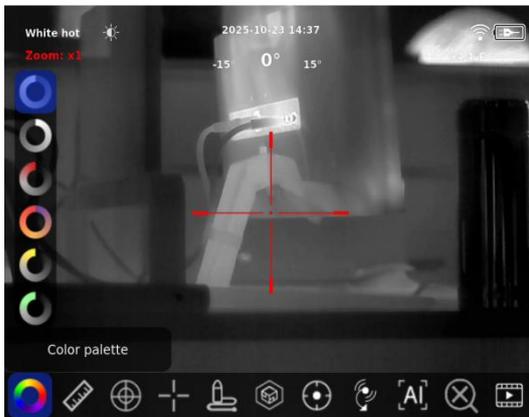
1. Press  or  Move the cursor over the palette settings icon;

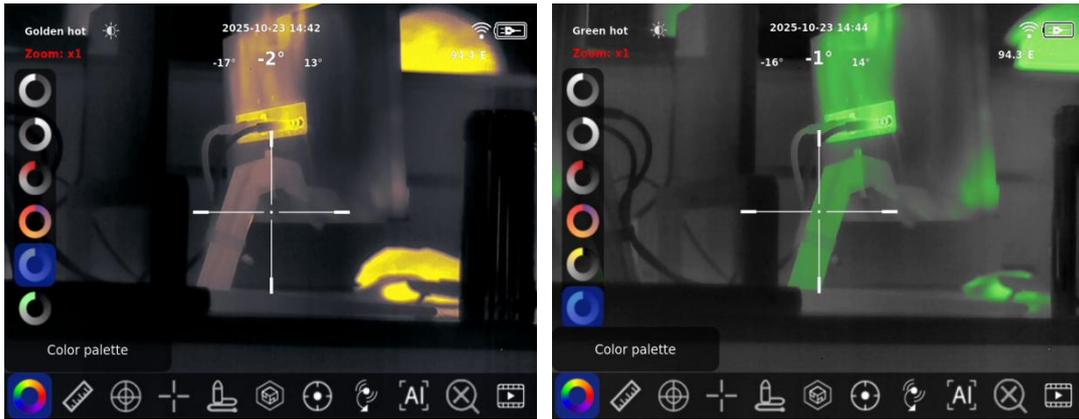


2. Press  Enter the palette settings menu, Default white-hot;



3. Press  or  Move the cursor up and down to select different pseudo-colors (6 total: White-hot, Black-hot, Red-hot, Fusion, Gold-hot, Green-hot);





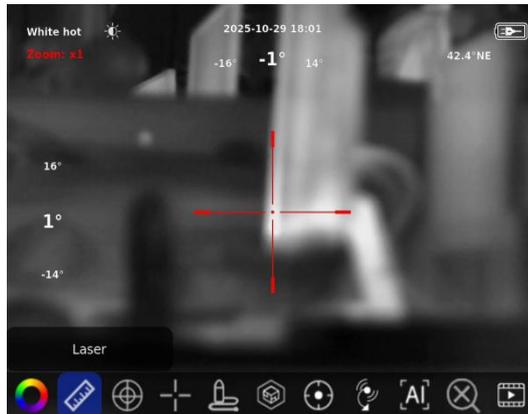
4. Press  Save selected settings and return to the Advanced Settings menu;

**Note:** Press  Cancel settings and return to the Advanced Settings menu.

### 3.9.2 Laser Ranging

In the Advanced Settings menu interface state

1. Press  or  Move the cursor to the laser rangefinder settings icon;



2. Press  Enter the laser rangefinder settings menu. Default timeout: 5 seconds;



3. Press  or  Move the cursor up or down to select the laser rangefinder control time. In standby mode, press  start ranging, “3s”The time from the start of distance measurement to completion is 3 seconds, “5s”The time from the start of distance measurement to completion is 5 seconds; “Always”Press and hold the button to start measuring distance; release it to stop;

4. Press  Save selected settings and return to the Advanced Settings menu;

**Note:** Press  Cancel settings and return to the Advanced Settings menu.

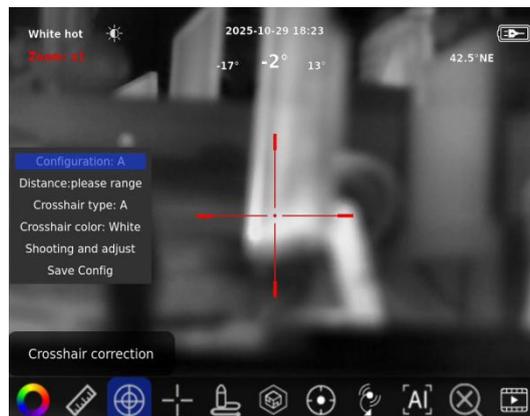
### 3.9.3 Crosshair Calibration

In the Advanced Settings menu interface state

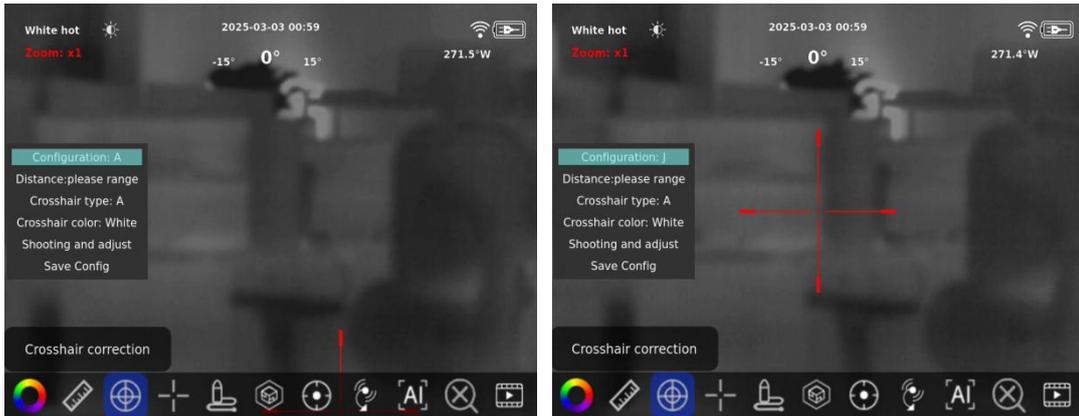
1. Press  or  Move the cursor to the crosshair calibration settings icon;



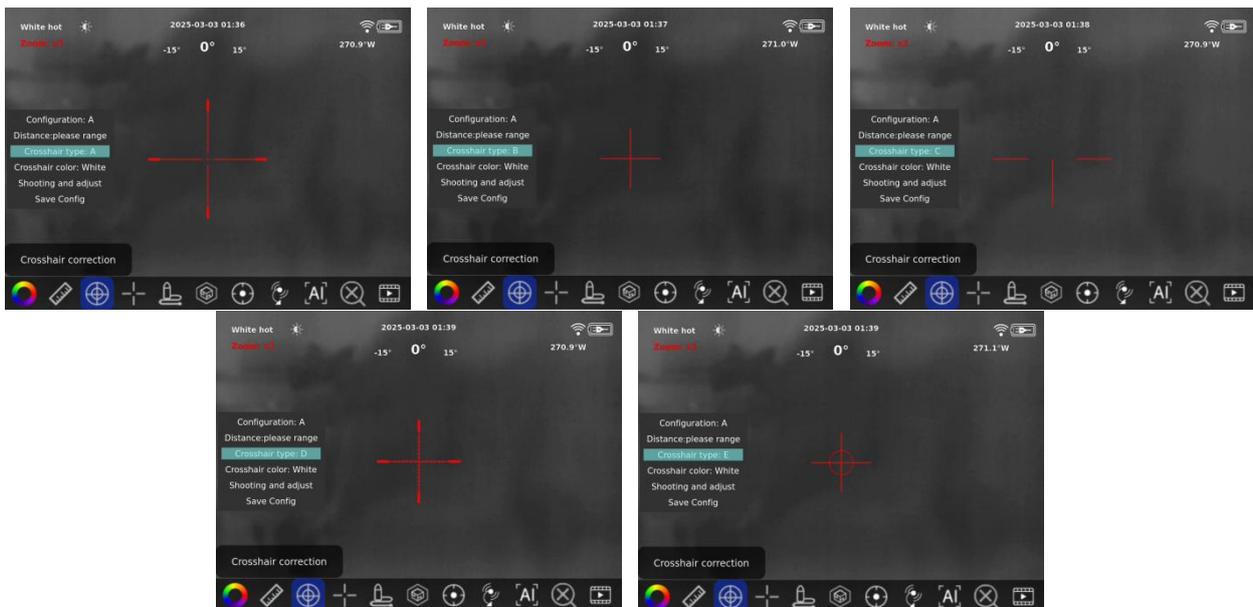
2. Press  Enter the crosshair calibration settings menu;



3. Press  or  Use the arrow keys to move the cursor up and down, then select the “configuration:A” menu (configure weapon type); Press  Enter the configuration menu, Press  or  Select different types; a total of 10 firearms can be configured from A to J, press  Save selection and exit the type selection menu;



4. Press  or  Move the cursor to Crosshair Type, Press  Enter Crosshair Type Selection, press  or  select from different types of crosshair cursors, there are 5 types available, After selection, Press  to save, the saved cursor type must be saved along with the firearm type.



5 Press  or , move the cursor to Crosshair Color, Press  to enter crosshair color selection, press  or  crosshairs are available in different colors, Available in five colors: white, black, green, blue, yellow, and red. After selection, click  Save. The saved cursor color must be saved alongside the weapon type;



6. Press  or  to move the cursor up or down, select “shooting and adjust”, press  to enter Shooting Correction Menu;

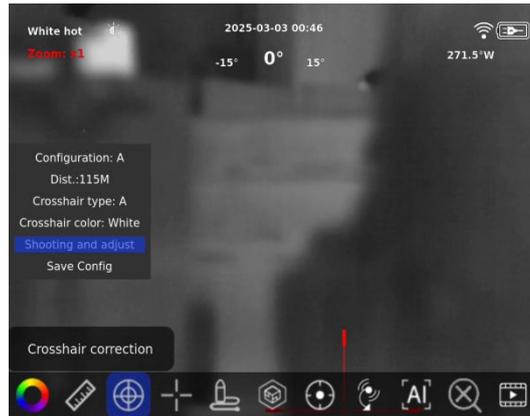


7. When the cursor is positioned on “Ready to shoot”, press  Aim at the target (the display interface will pop up with a “Ready to shoot” prompt), keeping the firearm steady, press  or , Move the cursor to shooting complete, press  Shooting the same target (display interface pops up with “Shooting complete, OK”), press  or , Move the cursor to Freeze Image, press , enter the Freeze Image menu and select “Freeze Image”: Yes” , press  to confirm the selection;



**Note: If the captured image does not align with the actual location, move the cursor to X or Y to adjust the position up, down, left, or right.**

8. Press  or , Move the cursor to Save, press , Save calibration data and return to the crosshair calibration menu. At this point, the cursor will move to the corresponding physical center, and the “Distance: please range” field in the crosshair calibration menu will display the actual distance.



9. Press the  or  key to move the cursor to Save Config, then press the  key to save the settings and return to the Advanced Settings menu;

Similarly, in the Advanced Settings menu, use the  or  keys to move the cursor to the Crosshair Calibration Settings icon. Re-enter the Crosshair Calibration menu to select weapon types 2, 3, 4...10 for crosshair calibration. Save the data; subsequent sessions can directly recall previously saved calibration data for the corresponding weapon type.

**Note:** All the above operations, after press , will cancel the settings and return to the Advanced Settings menu.

### 3.9.4 Crosshair Type

This setting aligns with the crosshair type and color selection described in Section 3.9.3. Different crosshair colors and types are assigned to different distances, enabling users to quickly identify target distances during actual use.

### 3.9.5 Smart Ballistics

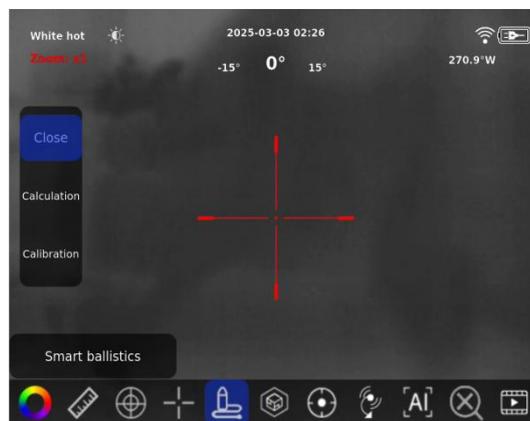
This feature must be used in conjunction with Section 3.9.3 during actual operation.

In the Advanced Settings menu interface state

1. Press  or , Move the cursor over the Smart Trajectory Settings icon;

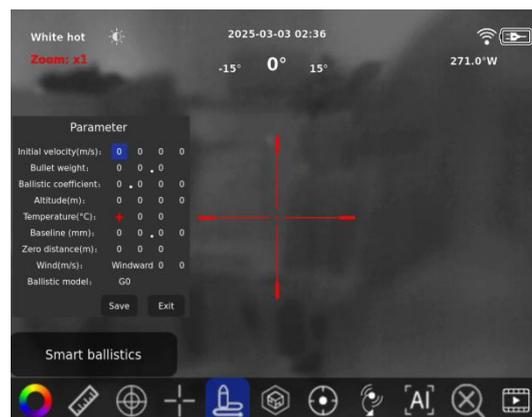


2. Press , Enter the Smart Trajectory Settings Menu;



3. Press  or , Move the cursor up and down to position it over the Calculation icon, press

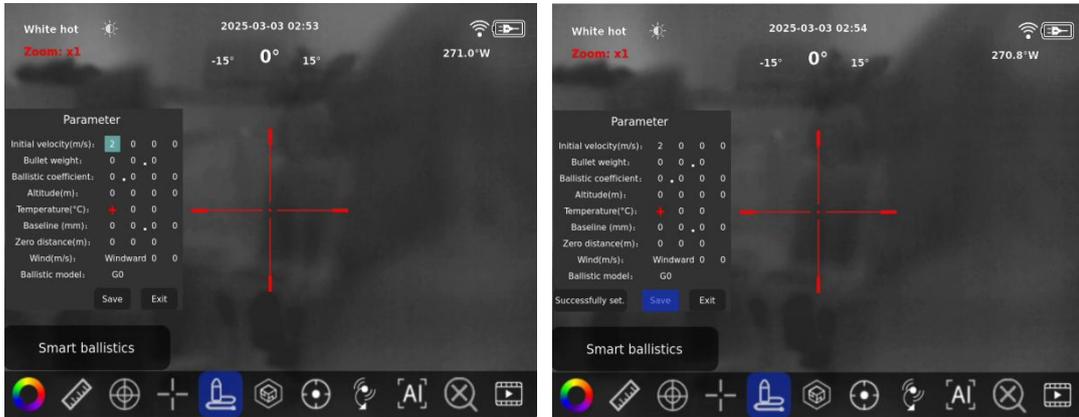
, Enter the Calculation Menu;



4. Press the  or  key to move the cursor up or down, respectively selecting Initial velocity, Bullet weight, Ballistic coefficient, Altitude, Temperature, Baseline, Zero distance, Wind,

Ballistic model. After press , selecting with the  or  key to enter data. Press 

to save the entered data. Finally, move the cursor to the “Save” menu, press  to save and return to the previous menu level.

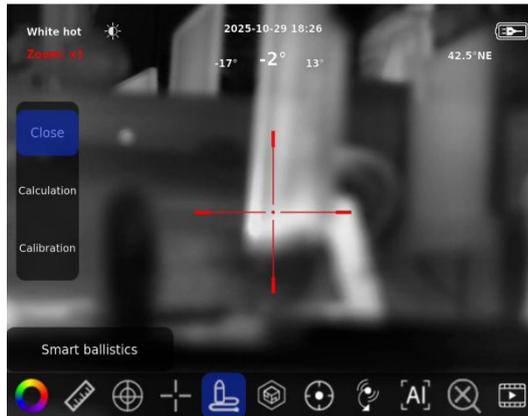


**Note: Any data entered after pressing the  key when the cursor is positioned on “Exit” will be invalidated.**

5. Press  or , Move the cursor up and down, Move the cursor to the Calibration icon, press  to confirm, The device automatically calculates bullet impact points and returns to the advanced settings menu;



6. Press  or , Move the cursor up and down, Move the cursor to the Close Icon, press , The interface returns to the Advanced Settings menu while disabling the ballistic calculation function;



### 3.9.6 HDMI Function

In the Advanced Settings menu interface state

1. Press  or , Move the cursor to the HDMI settings icon;



2. Press , Enter the HDMI settings menu; HDMI functionality is disabled by default;



3. Press  or , Use the up/down arrow keys to select “On” or “Off” (to enable or disable HDMI functionality). Once enabled, connect an external HDMI display to view real-time synchronized infrared images on the screen.;

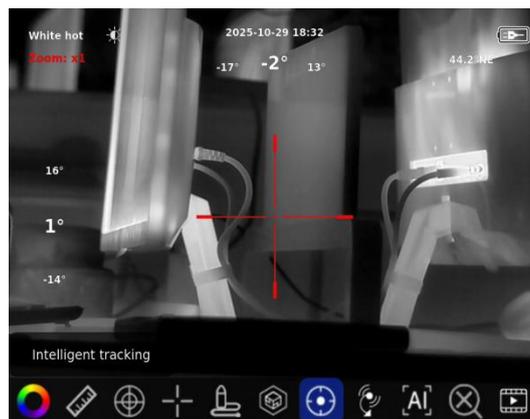


4. Press , Save selected settings and return to the main menu;

**Note:** Press , Cancel settings and return to the main menu.

### 3.9.7 Smart Tracking

1. Press  or , Move the cursor to the Smart Tracking Settings icon;



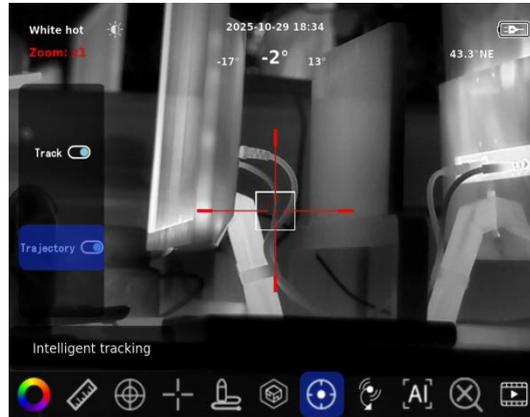
2. Press , Enter the Smart Tracking Settings menu, disabled by default;



3. Press  or , Move the cursor up or down to select “Track” or “Trajectory” while the

tracking and trajectory functions are disabled, press , Enable the tracking or ballistic function.

While the tracking or ballistic function is enabled, press , Turn Off Tracking or Ballistics Feature;



4. Press , Cancel settings and return to the Advanced Settings menu.

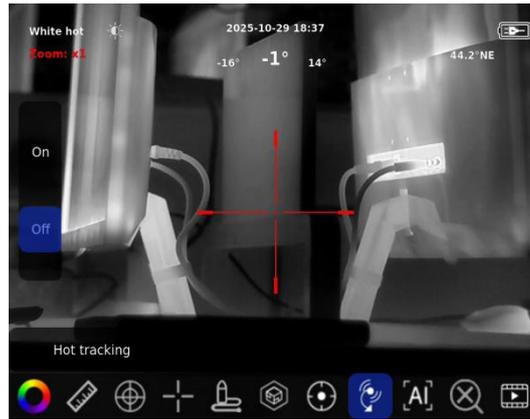
### 3.9.8 Hot Tracking

In the Advanced Settings menu interface state

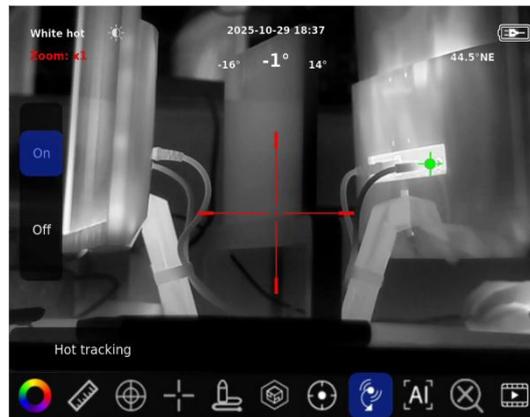
1. Press  or , Move the cursor over the Hot Tracking Settings icon;



2. Press , Enter the Hot Tracking Settings menu. Default setting is off;



3. Press  or , Move the cursor up or down to select “On” or “Off” (i.e., enable or disable hot tracking). Once hot tracking is activated, the highest temperature point within the field of view will be marked with a green dot;



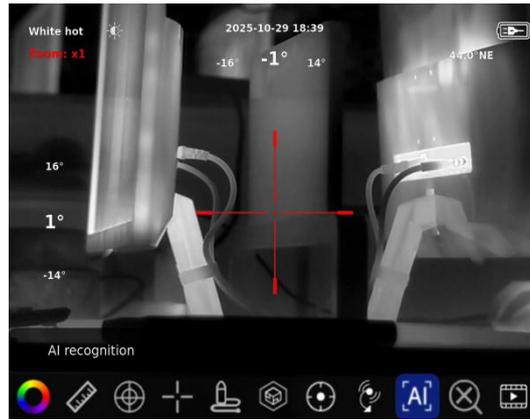
4. Press , Save selected settings and return to the Advanced Settings menu;

**Note:** Press the button  to cancel the setting and return to the Advanced Settings menu.

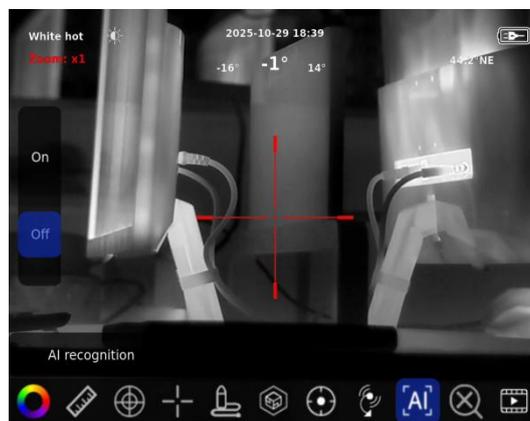
### 3.9.9 Smart Recognition

In the Advanced Settings menu interface state

1. Press  or , Move the cursor to the Smart Recognition Settings icon.;



2. Press , Enter the Smart Recognition Settings menu, disabled by default;



3. Press  or , Move the cursor up or down to select “On” or “Off” (i.e., enable or disable the smart recognition feature). Once enabled, the system will automatically detect high-temperature areas within the field of view;



4. Press , Save selected settings and return to the main menu;

**Note: Press this button  to cancel settings and return to the main menu.**

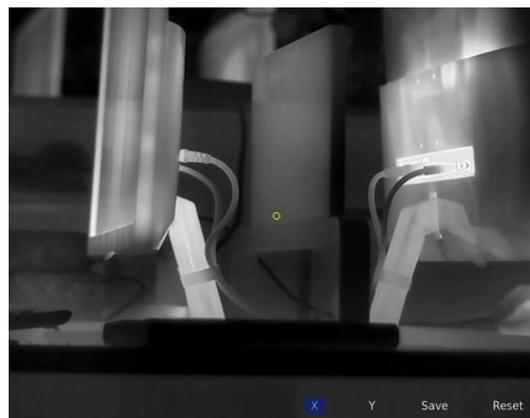
### 3.9.10 Blind Calibration

In the Advanced Settings menu interface state

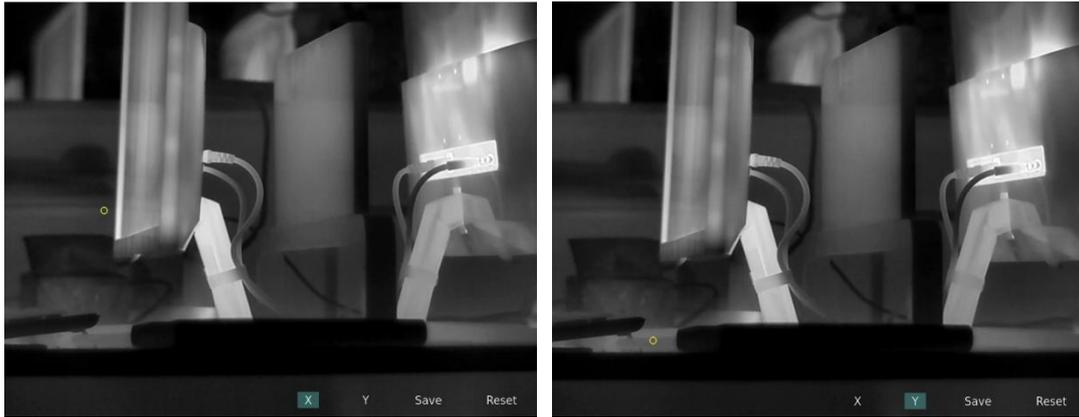
1. Press  or , Move the cursor to the calibration settings icon;



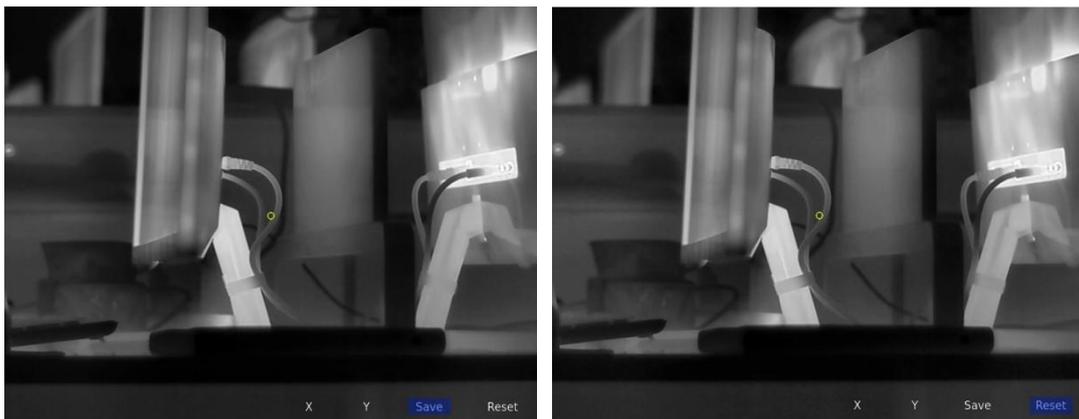
2. Press , Enter the Blind Calibration Menu;



3. Press  or , Move the cursor left and right, Select the X-coordinate or Y-coordinate, press  to confirm the selection, press  or , Move the yellow dot (X left label indicates left/right movement, The Y-coordinate controls vertical movement, moving the circular yellow dot to the blind cell position.) , press  to save;



4. Press  or , Move the cursor left and right, select “Save” icon, press , after saving, the blind cell calibration is complete and you will return to the Advanced Settings menu. If an error occurs during calibration, move the cursor to the Reset menu, Pressing the button  will restore the device to its state prior to calibration;

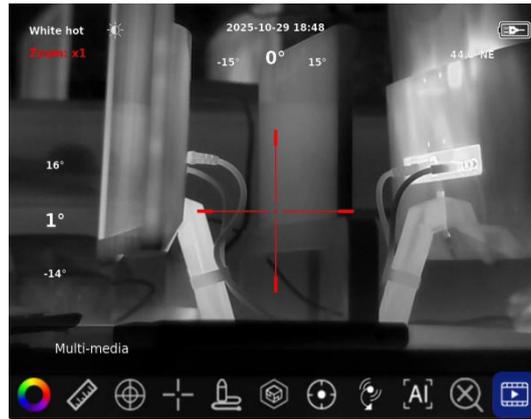


5. Pressing the button  cancels blind cell calibration and returns to the advanced settings menu.

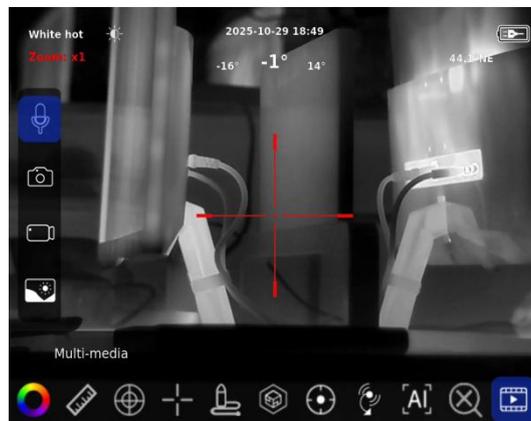
### 3.9.11 Multimedia

In the Advanced Settings menu interface state

1. Press the  or  key to move the cursor to the multimedia settings icon;



2. Press the button  to enter the multimedia settings menu;



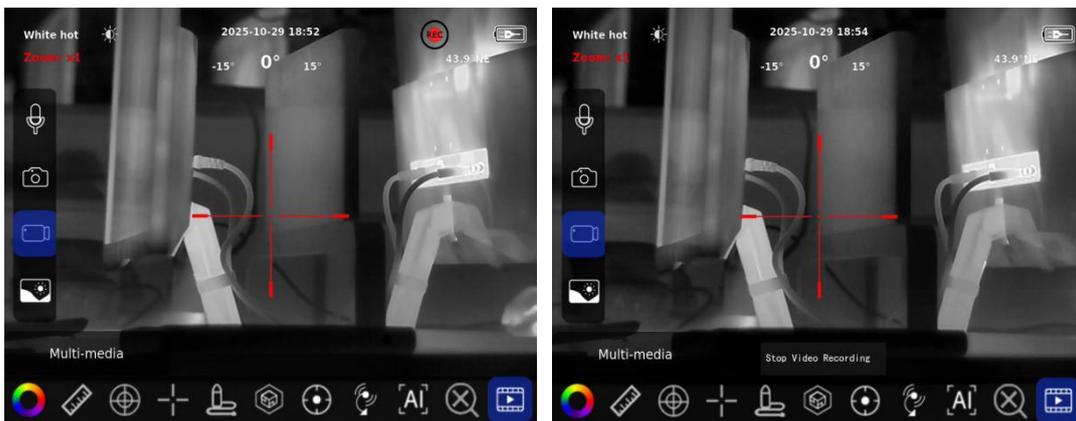
3. Press the  or  key to move the cursor up or down. Select the recording icon, then press the  key to start recording (a recording indicator icon  will appear near the battery in the upper-right corner). During recording, press the key  to stop recording.



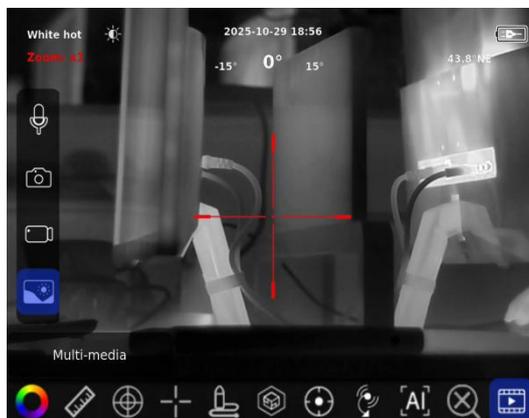
4. Press the  or  key to move the cursor up or down, select the camera icon, then press the  key to take a photo.

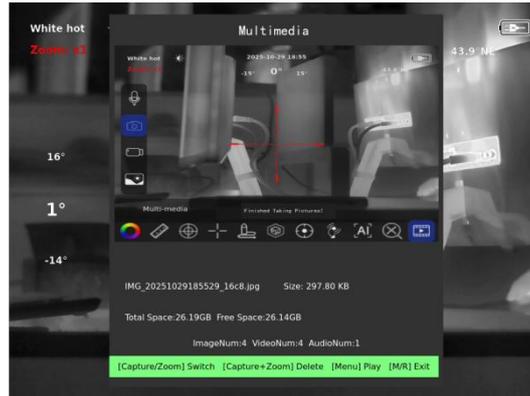


5. Press the  or  key to move the cursor up or down. Select the recording icon, then press the key  to start recording (a recording indicator icon  will appear near the battery in the upper-right corner). During recording, press the key  to stop recording.



6. Press the  or  key to move the cursor up or down. Select the multimedia folder icon, then press the key  to enter the multimedia folder. Press the  or  key to view information about audio files, photos, and video files;



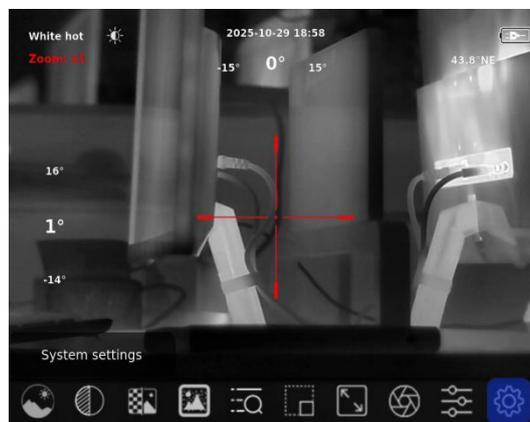


7. In the multimedia folder state, press the button  twice to return to the advanced settings menu. In the multimedia menu state, press the button  once to return to the advanced settings menu.

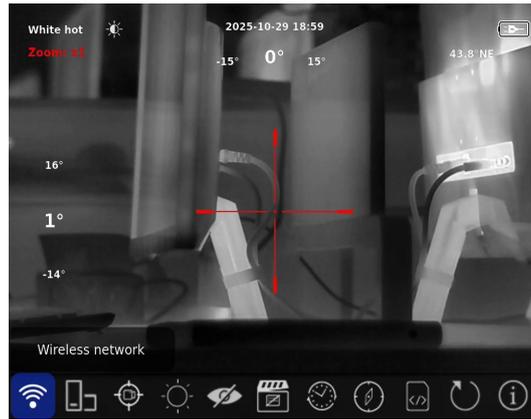
### 3.10 System Setting

In the main menu interface state

1. Press the  or  key to move the cursor to the x system settings icon;



2. Press the button  to enter the system settings menu;

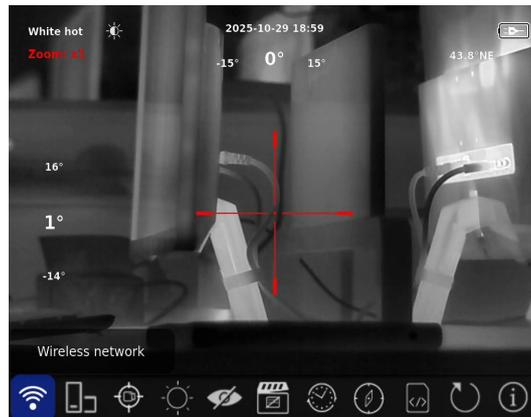


3. Press the button  to return to the main menu.

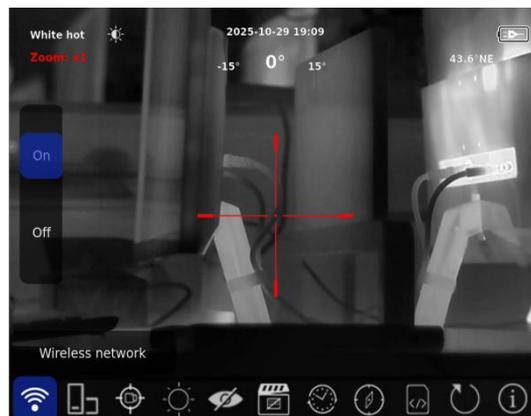
### 3.10.1 WIFI Setting

**In the system settings menu interface state**

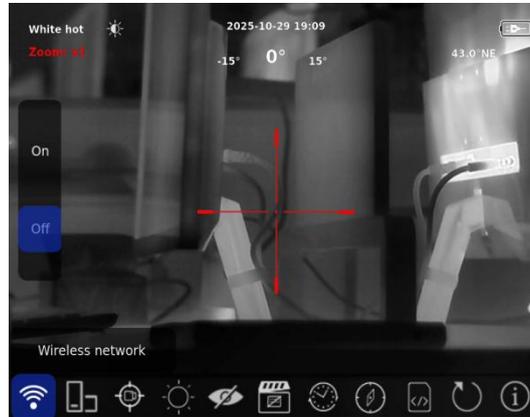
1. Press the  or  key to move the cursor to the Wi-Fi settings icon;



2. Press the button  to enter the Wi-Fi settings menu. The Wi-Fi function is enabled by default;



3. Press the  or  key to move the cursor up or down, select “On” or “Off” (to enable or disable the Wi-Fi function). After enabling this feature, connect the infrared sight to your mobile app to view real-time infrared images on your phone;



4. Press the button  to save your selection and return to the system settings menu;

**Note: Press this button  to cancel the setting and return to the system settings menu.**

### 3.10.2 Display Adaptive

#### In the system settings menu interface state

1. Press the  or  key to move the cursor to the adaptive settings icon;



2. Press the button  to enter the adaptive settings menu (default: off)



3. Press the  or  key to move the cursor up or down and select “On” or “Off” (i.e., enable or disable the adaptive display feature). When enabled, the display interface rotates in tandem with the direction of the sight's movement;



4. Press the button  to save your selection and return to the system settings menu;

**Note:** Press this button  to cancel the setting and return to the system settings menu.

### 3.10.3 Shooting Video

**In the system settings menu interface state**

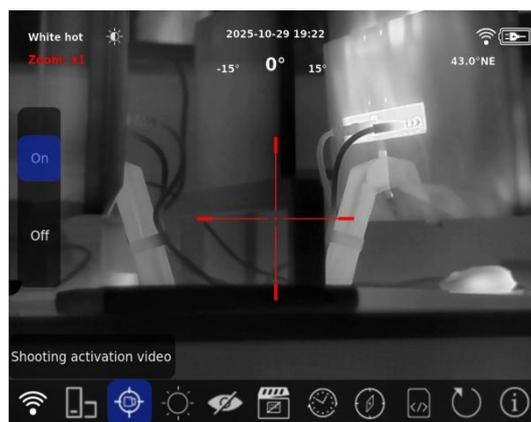
1. Press the  or  key to move the cursor to the shooting video settings icon;



2. Press the button  to enter the shooting recording settings menu (default: off);



3. Press the  or  key to move the cursor up or down and select “On” or “Off” (i.e., enable or disable the shooting video recording function). When enabled, the device will record the shooting process as a video when the gun is fired. When disabled, no recording will occur;



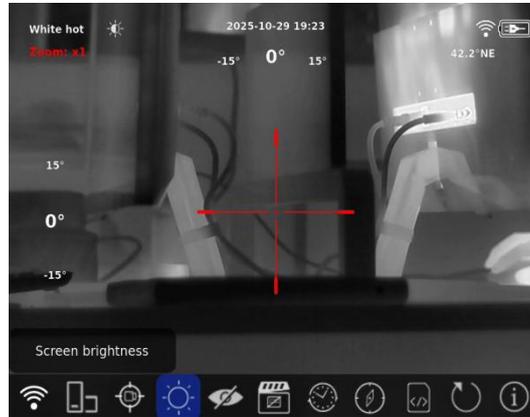
4. Press the button  to save your selection and return to the system settings menu;

**Note:** Press this button  to cancel the setting and return to the system settings menu.

### 3.10.4 Display Brightness Settings

In the system settings menu interface state

1. Press the  or  key to move the cursor to the brightness settings icon;



2. Press the button  to enter the display brightness settings menu;



3. Press the  or  key to move the cursor up or down and select different display brightness levels;



4. Press the button  to save your selection and return to the system settings menu;

Note: Press this button  to cancel the setting and return to the system settings menu.

### 3.10.5 Icon Display

In the system settings menu interface state

1. Press the  or  key to move the cursor to the icon display settings icon;



2. Press the button  to enter the icon display settings menu (default open);



3. Press the  or  key to move the cursor up or down and select “On” or “Off” (i.e., enable or disable the icon display function). When enabled, the display will show icons synchronously; when disabled, the display will not show icons;



4. Press the button  to save your selection and return to the system settings menu;

**Note:** Press this button  to cancel the setting and return to the system settings menu.

### 3.10.6 Video icon display

**In the system settings menu interface state**

1. Press the  or  key to move the cursor to the video icon and display the settings icon;



2. Press the button  to display the video icon and enter the settings menu (default: off);



3. Press the  or  key to move the cursor up or down and select “On” or “Off” (i.e., enable or disable icon display). When enabled, recorded videos will show icons; when disabled, recorded videos will not show icons;



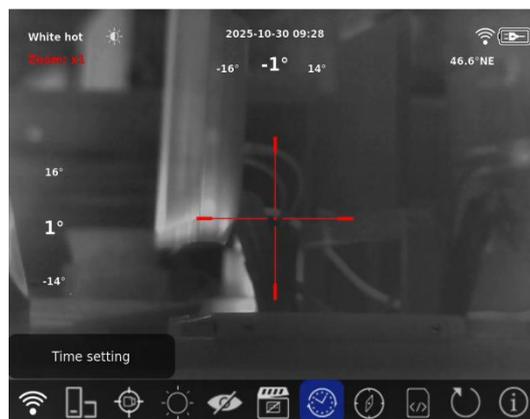
4. Press the button  to save your selection and return to the system settings menu;

**Note: Press this button  to cancel the setting and return to the system settings menu.**

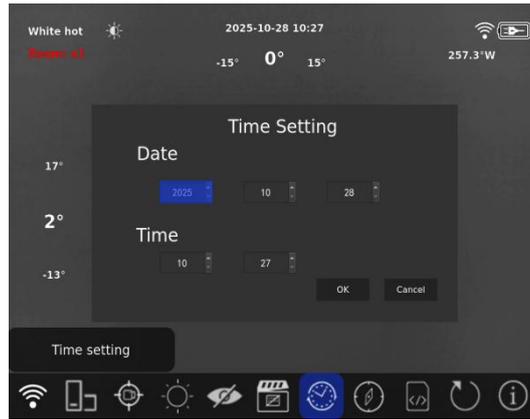
### 3.10.7 Time Setting

**In the system settings menu interface state**

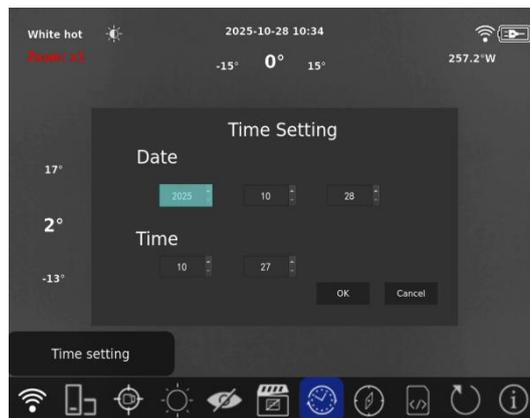
1. Press the  or  key to move the cursor to the time setting icon;



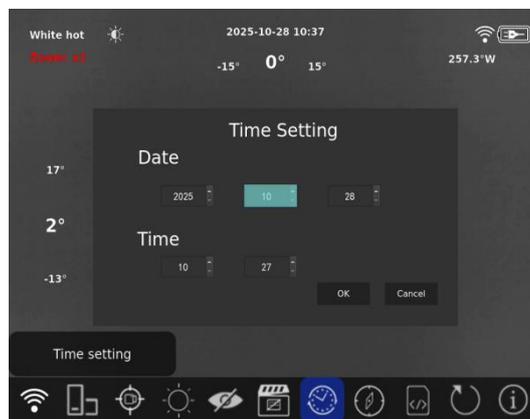
2. Press the button  to enter the time settings menu;



3. Press the  or  key to move the cursor up or down and select the year in the “Date” field. Press the key  to enter the year setting mode. Use the  or  key to highlight the current year, then press the key  to confirm;



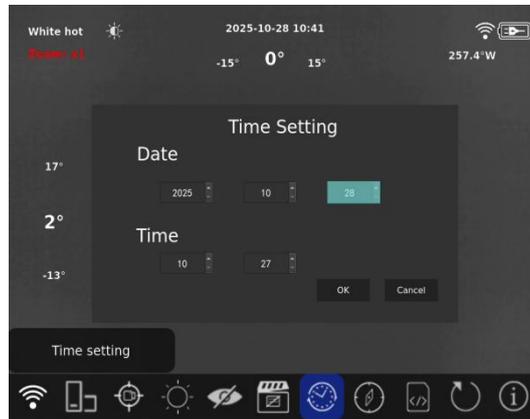
4. Press the  or  key to move the cursor up or down and select the month in the “Date” field. Press the key  to enter the month setting. Use the  or  key to highlight the current month, then press the key  to confirm;



5. Press the  or  key to move the cursor up or down and select the date in the “Date” field.

Press the key  to enter date settings. Press the  or  key to highlight the current date.

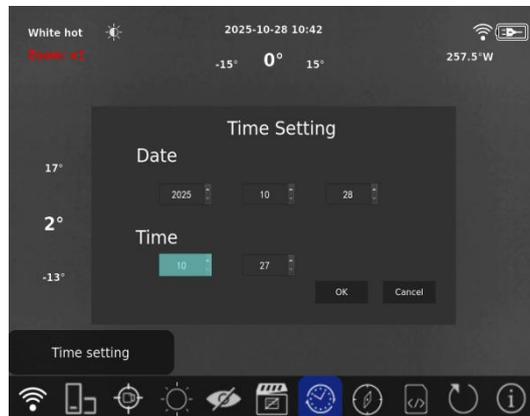
Press the key  to confirm;



6. Press the  or  key to move the cursor up or down. Select the hour in the “Time”

column. Press the key  to enter the hour setting. Press the  or  key to select the

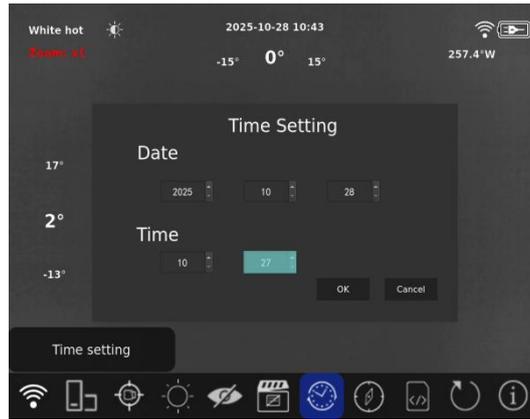
current hour. Press the key  to confirm;



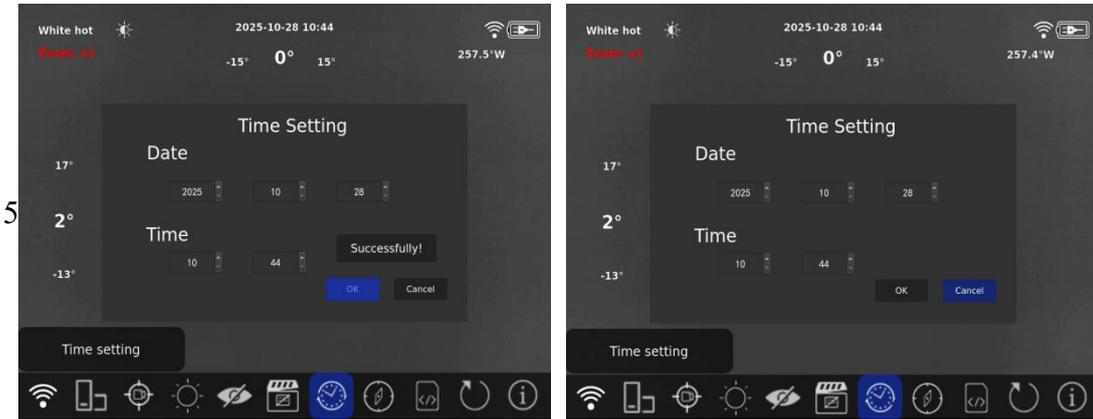
7. Press the  or  key to move the cursor up or down, select the minutes in the “Time”

field, press the key  to enter minute settings, press the  or  key to highlight the

current minute, then press the key  to confirm;



8. Press the  or  key to move the cursor up or down. Select “OK” and press the key  to save the time setting and return to the system settings menu. Select “Cancel” and press the key  to cancel the time setting and return to the system settings menu;

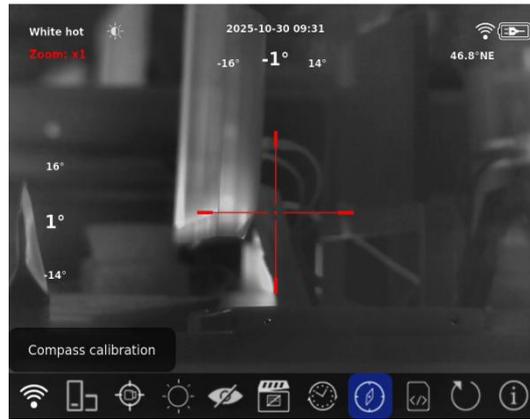


**Note:** Press this button  to cancel the setting and return to the system settings menu.

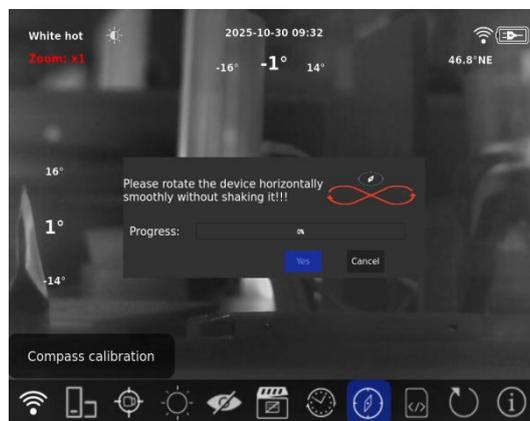
### 3.10.8 Compass Calibration

In the system settings menu interface state

1. Press the  or  key to move the cursor to the compass calibration icon;

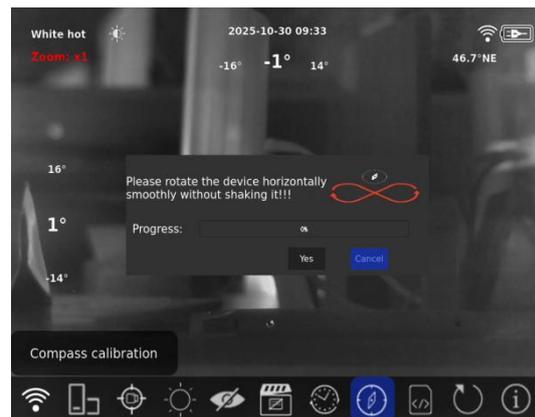
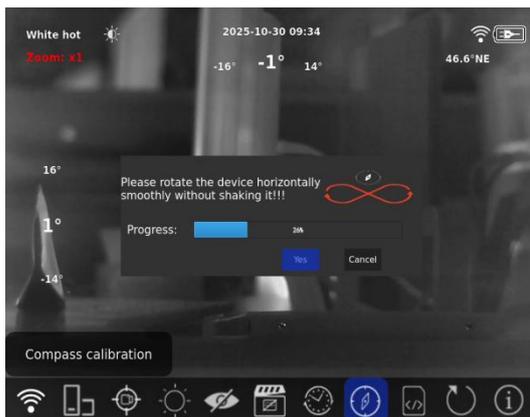


2. Press the button  to enter the compass calibration menu;



3. Press the  or  key to move the cursor up or down. Select “Yes” and press the key

 to start calibration. Select “Cancel” and press the key  to cancel calibration;



**Note: During calibration, rotate the device up, down, left, and right until the progress bar completes and returns to the system settings menu.**

### 3.10.9 Format

**In the system settings menu interface state**

1. Press the  or  key to move the cursor to the formatting icon;



2. Press the button  to enter the formatting menu;



3. Press the  or  key to move the cursor up or down. Select “Yes” and press the key  to format the built-in user storage space of this device. Select “Cancel” and press the key  to cancel formatting and return to the system settings menu;



**Note: After formatting, all photos, recordings, and videos on this device will be permanently deleted and cannot be recovered.**

### 3.10.10 Factory Pattern

**In the system settings menu interface state**

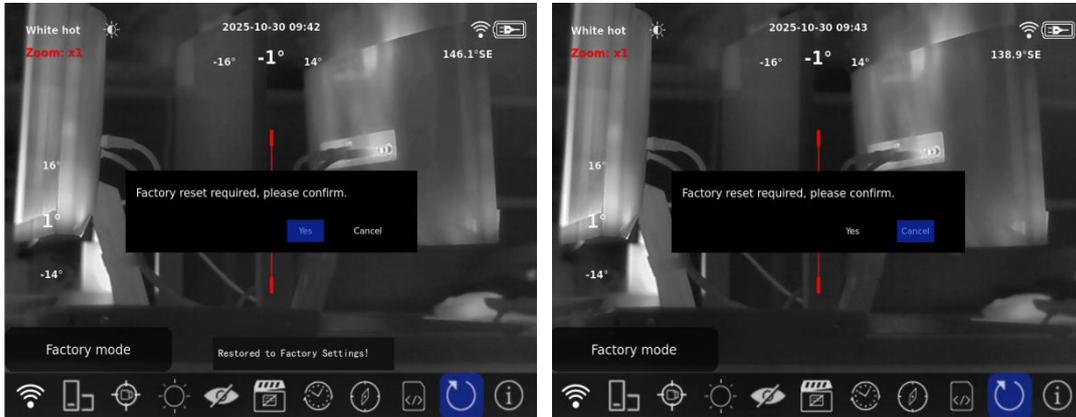
1. Press the  or  key to move the cursor to the Factory Mode Settings icon;



2. Press the button  to enter the factory mode settings menu;



3. Press the  or  key to move the cursor up or down. Select “Yes” and press the key  to restore the device to factory default settings. Select “Cancel” and press the key  to cancel the factory reset and return to the system settings menu;



4. Press the button  to cancel the setting and return to the system settings menu.

### 3.10.11 System Information

#### In the system settings menu interface state

1. Press the  or  key to move the cursor to the System Information icon;



2. Press the button  to enter the system information interface. The interface displays the software version, MCU version, FPGA version, and SDK package update time. It also shows the device's storage capacity and Wi-Fi address;



3. Press the button  to return to the system settings menu.