

**S236**  
series

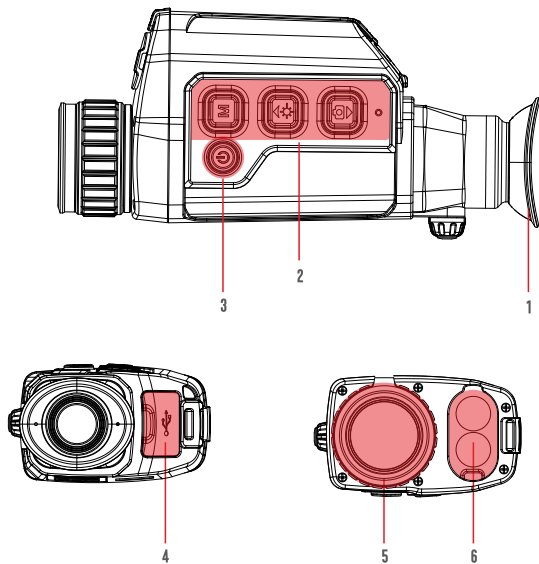


## **THERMAL MONOCULAR**

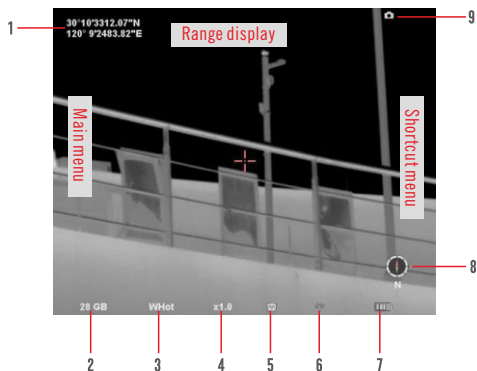
### **QUICK GUIDE**

## FORM KEYS AND COMPOSITION

- 1 Eyepiece, visibility adjustment
- 2 Photo/video, electronic zoom/laser ranging, shortcut menu/main menu
- 3 Eyepiece sleep/power switch
- 4 Type-c interface, charging, data transmission, real-time image
- 5 Manually focus the lens
- 6 Laser ranging, laser indication



- |                     |                      |                              |
|---------------------|----------------------|------------------------------|
| 1 GPS               | 4 E-zoom state       | 7 Charge state               |
| 2 Remaining storage | 5 Analog video state | 8 Electronic compass bearing |
| 3 Color code state  | 6 WIFI state         | 9 Photo recording state      |



## Power

- Long press on/off the thermal imager, and the green indicator light is steady on.
- After startup, short press to display eyepiece sleep, after sleep, press any key to wake up.

## Photo

- Short press to take photos.
- Long press to start the recording function, and short press again to end the recording.

## Laser ranging

- Short press for E-zoom, X1,X2,X4 for cycle.
- Long press to turn on the laser ranging, long press again to turn off the ranging. Range is 10m~1000m.

## Menu






- Short press to enable the shortcut menu.
- Long press to enable the main menu.

## Key combination

Camera key  and laser ranging key 

- Long press the "photo" key and the "electronic enlarge" key at the same time for manual uniformity correction of the image.

Menu key  and laser ranging key 

- Long press the "menu" key  and the "Laser Ranging" key  at the same time to open /close the analog video output, on  or off , factory default  close. Closing the external video output can reduce the power consumption of the device and increase the running time.

## Visibility adjustment knob

- Adjust the knob vision according to the degree of personal myopia.

## Shortcut menu

- Short press the "Menu" key  to enter the shortcut menu mode.
- In the shortcut menu mode, the "Menu" key  is used to switch functions, and the "Laser Ranging" key  or the "Photo" key  is pressed to set parameters.



- Color code setting: WHot(white heat), BHot(black heat), IHot(iron red), RHot(red heat), factory default is WHot(white heat).



- Observation mode setting: city, river, mountain and forest four modes can be switched, factory default is: city. Only in city mode, you can enter the main menu to customize contrast and brightness parameters.



- Electronic amplification(E-zoom) setting: 1.0x ~ 4.0x electronic amplification, factory default: 1.0x.







- Eyepiece brightness setting: 1~5 Block eyepiece display brightness adjustment, factory default: 3.



- Automatic zero setting: ON(ON)/OFF(OFF), factory default: ON.

## Main menu

- Long press the "menu" key  to enter or exit the main menu mode.
- In the main menu mode, press the "Laser Ranging" key  or "Photo" key  to select a function, and press the "Menu" key  to open or close the function.



- The center area is magnified by 2 times by default. When the electronic zoom is activated at the same time, the picture-in-picture image is enlarged 2X~8X.



- WIFI function:  
For Android, you can download the mobile client program "IR-Tracker v " from the official website. After installing and running the mobile client program, you can find the device hot spot "Ingenic" in the WIFI of the mobile phone for the first time. After the connection is successful, open the mobile phone "IR-Tracker v " software. Click the software "connect" to see the image, which can be used to take photos, video, playback, storage and other functions through the mobile phone client software. WiFi name and password can be customized on the client after connection.

Note: If WIFI is enabled for a long time, the power consumption of the device will

be increased and the standby time will be shortened. Please turn off this function when not in use.








- Enhancement function: enhanced image will be displayed after opening, increasing image details.



- Hot spot tracking function: after opening, it takes effect after exiting the menu, and can assist to track the highest temperature target in the screen.

Note: When hot spot tracking is enabled, electronic amplification cannot be performed at the same time.

-  Cross reticle settings: Click to set, you can set the color , type  and position  (horizontal)  (vertical). "Menu" key to switch options, press "Laser Ranging" key or "Photo" key to select the type.



- Image setting: Only in city mode, contrast, brightness and red display trigger value can be set.



- 0minSleep setting: The optional automatic sleep time is 0min, 5min, 30min, and 60min. If there is no operation during this time period, it will automatically sleep. Press any key to restore the sleep state. The default factory setting is 0min.



- GPS function: perform self-positioning after opening.









- System setting: After entering, the following functions of the device can be set.




- Laser indicator light switch options: ON(ON)/OFF(OFF), factory default: OFF.







- Compass calibration: electronic compass recalibration is available. Compass calibration operations are as follows:

- After entering this function, press "Laser Ranging"  or "Photo" key  to switch to "YES", short press "Menu" key  to confirm, then place the instrument horizontally, rotate clockwise three times, press "Laser Ranging"  or "photo" key  to switch to "NO", click "Menu" key  to exit the menu.



- Ranging unit switch: feet "l" and meters "m" can be carried out. Press the "Laser Ranging" key  or the "Photo" key , and short press the "Menu" key  to confirm.






- System upgrade: The system can be upgraded. The upgrade file name is bin, and you can download it from the PC. For details, contact manufacture technical support. Copy the program to the root directory of the local storage space of the device, press the "Laser Ranging" key  or the "photo" key  to switch "YES" and "NO", and short press the "menu" key  to confirm. After the upgrade is complete, long press the "Power" key  for 10 seconds, the instrument will forcibly shut down, and restart again to complete the upgrade.



- Format: Format the stored content. Press "Laser Ranging"  or "Photo"  to switch "YES" and "NO", and short press "Menu"  to confirm.



- Restore factory Settings: Factory Settings can be restored. Press "Laser Ranging"  or "Photo"  to switch "YES" and "NO", and short press "Menu"  to confirm.



- Device information: The device information can be viewed.




- Long press the menu key to exit the menu mode.

## USB CHARGING/DATA INTERFACE

- While charging, remove the instrument Type-C interface cover and insert the USB charging cable (voltage DC5V/2A) to charge.
- Red indicator light is on when charging, and green indicator light is on when charging is finished.
- Remove the cover of the instrument interface, connect the computer with a USB cable, and copy the photo and video data files.

## REAL-TIME VIDEO OUTPUT

- After the device is powered on, the combined keys open the video output, and the state is  .
- While being used, remove the type-c interface cover of the device and insert the configured cable, which can be connected to the display or other remote transmission.

## PRECAUTIONS

- The uncooled infrared telescope uses a very sensitive thermal sensor, so under no circumstances (on or off) should the lens be directly aimed at a strong radiation source (such as the sun, laser beam direct or reflection), otherwise it will cause permanent damage to the uncooled infrared telescope!
- Gently clean the infrared lens with cleaning cloth and water. Do not use organic solvents or sharp hard objects to clean the infrared lens, in order to avoid the lens film falling off.
- After the laser indicator function is opened, do not illuminate the human eye, so as not to cause harm!
- Check the electric quantity when using the device for the first time, charge the it for three hours before use if necessary, and place the device at room temperature when charging by USB.
- Please do not open the casing or modify it without authorization. Maintenance can only be done by authorized personnel of our company.