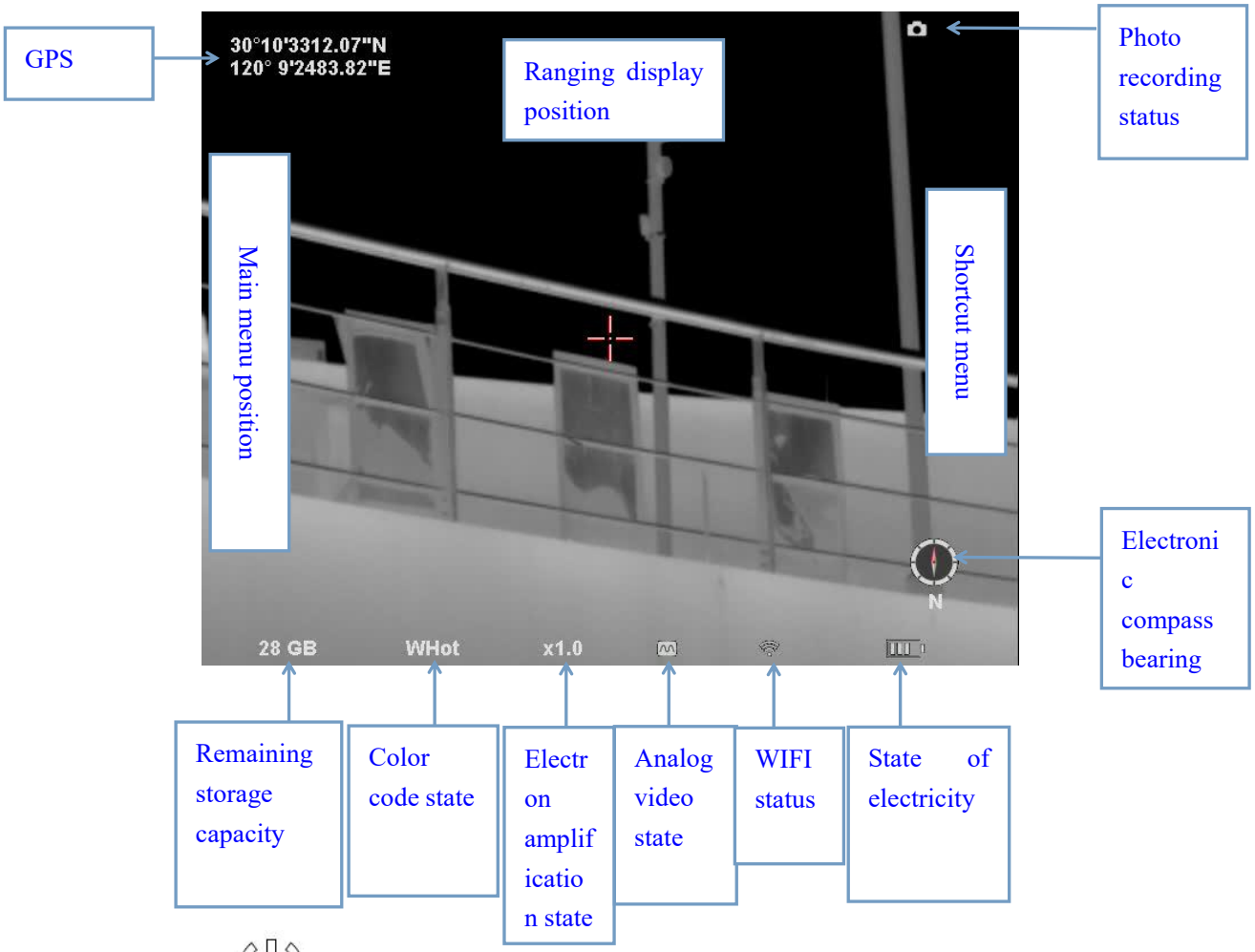
S236 series infrared thermal imaging telescope

Quick guide to use

Key composition and interface



Power key

- Press on/off the thermal imager for a long time, and the green indicator light of the imager will always be on after it is turned on.
- Short press after power-on indicates that the eyepiece is dormant, and you can press any key to wake up after hibernation.

Photo key

- Press short for the camera function.
- Long press to turn on the recording function, and short press again to end the recording.

Laser ranging key

- Press short for electronic amplification function, and X1, X2, and X4 cycle times.
- Long press to turn on the laser ranging function, and long press again to turn off the ranging function. The ranging range is 10m~1000m.

menu M

- Press short to open the shortcut menu.
- Press and hold to open the main menu.

combination key

Photo button **and laser ranging button**

- Press and hold the "Photo" key and "Electronic Magnification" key at the same time to manually correct the image uniformity.

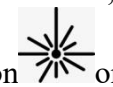
Menu key M **and laser ranging key.**

- At the same time, press and hold the "Menu" key M and "Laser Ranging" key to turn on/off analog video output, turn on the state or turn off the state , and turn on the by factory default. Turning off the external video output can reduce the power consumption of the instrument and increase the battery life.

View adjustment knob

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

shortcut menu

- Press the "Menu" key and M will enter the shortcut menu mode.
- In the shortcut menu mode, the menu button M switches functions, and press the laser ranging button  or the photo button to set parameters.
- Color code settings: WHot (white heat), BHot (black heat), IHot (iron red), RHot (red heat), which is the factory default.
- Observation mode setting: four modes of city, river, mountains and rivers and forest can be switched, and the factory default is city. Only in city mode, you can enter the main menu to customize the contrast and brightness parameters.
- Electronic amplification setting: 1.0X~4.0X electronic amplification, factory

default: 1.0X.

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

primary menu

- Press and hold the "Menu" key for M to enter or exit the main menu mode.
- In the main menu mode, press the "Laser Ranging" key or "Photographing" key to select the function, and press the "Menu" key M to turn the function on or off.

- Picture-in-picture function: the central area is enlarged by 2 times by default. At the same time, when the electronic zoom is started, the picture-in-picture image is magnified 2X~8X.

- WIFI function:

  Android system can download the mobile phone client program "IR-tracker v " from the official website. After installing and running the mobile phone client program, the instrument hotspot "ingenic" can be found in the mobile phone WIFI for the first time. After successful connection, open the mobile phone "IR-tracker v " software and click "connect" to see the image. The functions of taking pictures, recording, playing back and storing images can be realized through the mobile phone client software. WiFi name and password can be customized at the client after connection.

  Note: Turning on WIFI for a long time will increase the power consumption of the instrument, resulting in shorter standby time of the instrument. Please turn off this function when not in use.

- Enhancement: After it is turned on, enhanced images will be displayed to

increase image details.

- Hot-spot tracking function: after it is turned on, it will take effect after exiting the menu, which can assist in tracking the highest temperature target on the screen.

Note: When the hotspot tracking function is turned on, electronic amplification cannot be performed at the same time.

- Cross-hatching setting: after clicking Settings, you can set the cross-hatching color , category and position (horizontal) (vertical). Menu key to switch options, press laser ranging key or photo key to select types.

- Image setting: only in city mode, the contrast, brightness and red display trigger values can be set.

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

- GPS function: self-positioning after turning on.

- System setting: after entering, the following functions of the instrument can be set systematically.

language option: the native language can be displayed.

compass calibration: electronic compass can be recalibrated. Compass calibration operation is as follows:

After entering this function, press the "Laser Ranging" key or

"Photographing" key to switch to "YES", place the instrument horizontally, rotate it clockwise for three times, press the "Laser Ranging" key or "Photographing" key to switch to "NO", and click the "Menu" key M to exit the menu.

ranging public foot unit switching: foot "I" and meter "M" can be performed.

system upgrade: Remote version upgrade can be carried out later. For details, please consult the after-sales personnel of the manufacturer and carry out it under the guidance of technicians.

format: the stored content can be formatted.

Restore the factory settings of : the factory settings can be restored.

- Local information: you can view local information.

- Press and hold the "Menu" key for M to exit the menu mode.

USB charging/data interface

- When charging, open the instrument Type-C interface cover and plug in the USB charging cable (voltage DC5V/2A) for charging.
- When charging, the red indicator lights up, and when charging is completed, the green indicator lights up.
- Open the instrument interface cover, connect the computer with USB cable, and copy photos and video data files.

Real time video output

- After the instrument is turned on, the key combination turns on the video output, and the status is .
- When using, open the Type-C interface cover of the instrument and insert the configured cable to access the display on the display or other remote transmission.

matters need attention

- Because the uncooled infrared telescope uses a very sensitive heat sensor, under no circumstances (when it is turned on or off), the lens should not be aimed directly at strong radiation sources (such as the sun, direct or reflection of laser beams, etc.), or it will cause permanent damage to the uncooled infrared telescope!
- Wipe the infrared lens gently with a wiping cloth and clean water. 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 indication function is turned on, please do not irradiate the human eyes to avoid injury!
- Please check the electric quantity when using the instrument for the first time. If necessary, charge it for three hours before using it. When charging with USB, please place the instrument at room temperature.
- Please do not open the casing or modify it without authorization. Maintenance can only be carried out by authorized personnel of our company.