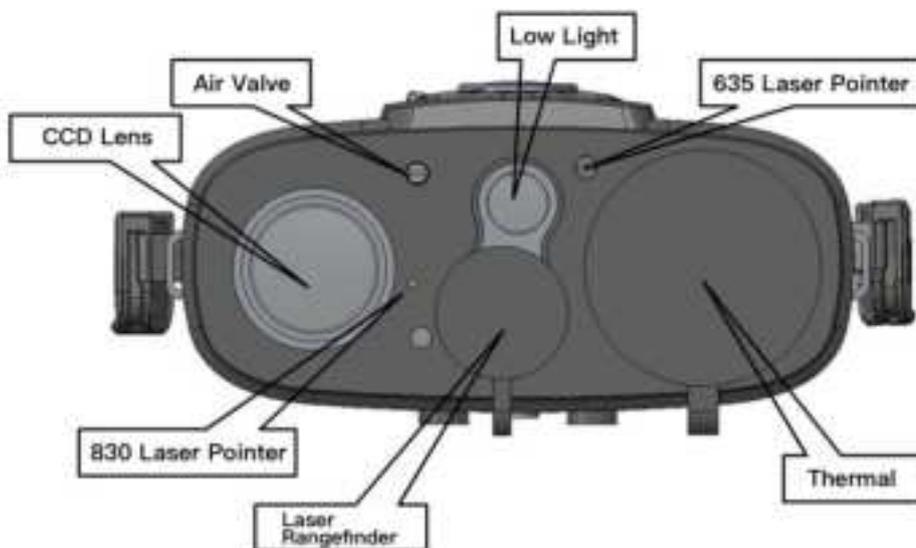


Quick Start Guide

MS735MH

Keys & Interfaces



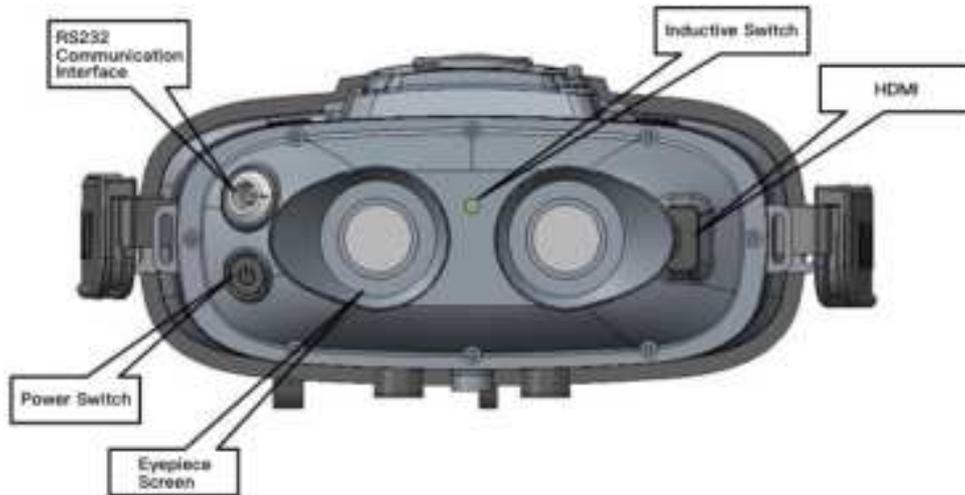


Image mode	Scene mode	Palette
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Figure 1 Main Interface

<p>Q x1.0 24.6G/28.2G 2023/09/21 09:28</p>	Low power consumption mode	External HDMI	Fog mode	Wireless Hot-spot
	Zoom status		Memory capacity	
	Battery level		System Time	

Figure 2 Bottom right status bar

Keys instruction:

Power

- Long press for 3 seconds to turn on/off the thermal imaging camera, the green indicator light of the device is on after turning on.
- Short press for image correction, and press any key to wake up after hibernation.

Menu

- Long press to enter the main menu.
- Short press to switch the image mode.

Photo

- Short press to take photos.
- Long press to record videos.

Up

- Short press to switch between large and small field of view in IR, short press to switch the fog mode in visible light.
- Long press to zoom in under visible light, and increase focus under IR/fusion.

Down

- Short press to auto focus.
- Long press to zoom out under visible light, and decrease focus under IR/fusion.

Up + Down Key Combination +

- Long press to turn on/off laser rangefinding.

Menu + Photo key combination **M** + 

- Long press to turn on/off visible indication laser.

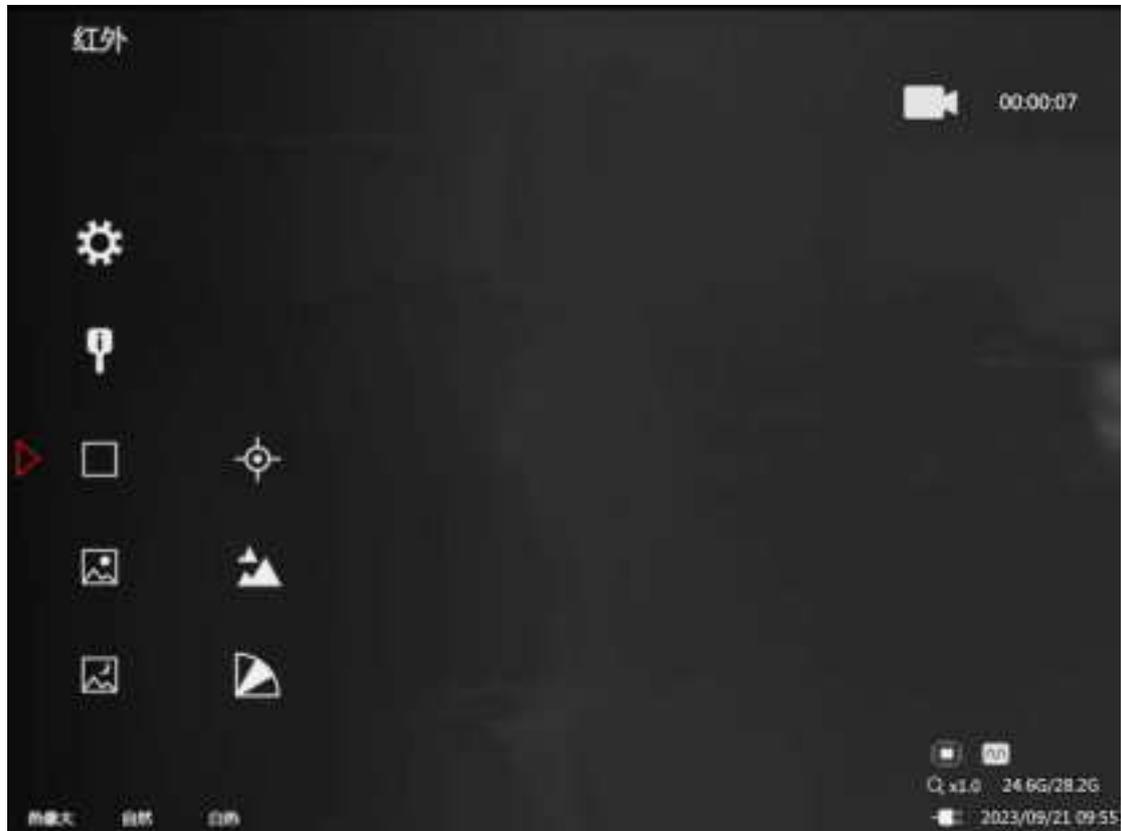


Figure 3 Menu Interface

Keys instruction:

Menu **M**

- Short press to confirm/enter the next level menu.

Photo 

- Short press to return to the previous level menu.
- Long press to return and exit the user menu.

Up 

- Short press to switch up/increase parameters.
- Long press to quickly switch up/increase parameters.

Down

- Short press to switch down/reduce parameters.
- Long press to quickly switch down/reduce parameters.



Figure 4 Infrared menu interface



Hotspot tracking: After opening, the main interface will display a prompt for the highest temperature on the screen



Scene mode: natural, enhanced, and highlighted to adapt to different weather and scenes



Pseudo-color: 7 kinds of pseudo-color can be selected.



Contrast: Adjust the contrast of IR image



Brightness: Adjust the brightness of the infrared image.



Red display trigger value: Adjust the red display trigger value of infrared images



Figure 5 Visible light menu interface



Visible Light Enable: Enable to use the function of visible light after opening



Contrast: Adjustable contrast of visible light, default to 128



Brightness: Adjustable brightness of visible light, default to 128



Figure 6 Shimmer menu interface



Shimmer Enable: when turned on, the image modes of Fusion and Shimmer can be used



Figure 7 Positioning menu interface



Positioning Enable: When enabled, you can use positioning related functions.



Target Guidance: When it is turned on, it will display the target position in the azimuth area of the main interface.



Target locking: When enabled, enter the target setting interface, after setting, it can display the radar position of the target point in the main interface.



Coordinate system: Global positioning can be displayed in different coordinate modes



Figure 8 Compass Menu Interface



Compass Enable: When enabled, compass related functions can be used.



Angle unit: You can switch different angle unit



Magnetic declination: manually set the local magnetic declination to increase the accuracy of the compass.



Correction of azimuth, pitch, and roll angles: correct minor deviations caused by environmental factors.



Magnetic field space calibration: Enter the compass calibration interface



Figure 9 Laser Ranging Menu Interface



Ranging Enable: When enabled, ranging-related functions can be used.



Target Positioning: When enabled, the coordinates of the target point will be displayed in the upper right corner.



Target mode: Select the number of ranging targets



Gate Setting: After setting, the distance measurement results smaller than the set value will be blocked.



Figure 10 Playback menu interface

Select the file to view by pressing keys.



Figure 11 Auxiliary function menu interface



Wi-Fi: When enabled, the device can be connected via cell phone.



Picture-in-picture: When enabled, the upper area in the main interface will display the enlarged center picture.



Digital zoom: The image can be adjusted x1.0-x8.0



Crosshair: When enabled, enter the crosshair setting, the main interface will display the crosshair cursor.



Brightness adjustment: Adjust the brightness of the eyepiece LCD screen.



Hibernation time: Set the time to hibernate without operating.



Low Power Mode: When enabled, some functions will be turned off to maintain long-term battery life.



Proximity switch: When enabled, the eyepiece will be automatically turned off when it is not in use.



Serial port selection: by setting different modules, personalize them in the host computer.



Figure 12 System Setting Menu Interface



WiFi mode: Switch the connection mode of the device when WiFi is enabled.



Distance unit: Switch all the distance units on the interface.



Upgrade: Upgrade the detector version online



Format: Format the storage space



Reset: Restore factory settings



Help file: View the help file on the device side

RS232 interface

- The device comes standard with a one-in-three connection cable with RS232 connector (DC charging, USB data connection, and RS232 connector holder respectively).
- When charging, the red indicator light is on, and when charging is completed, the green indicator light is on.

Video output

- When in use, dial out the HDMI interface cover, insert the configured HDMI cable, can be accessed to display on the monitor.

Precaution

- Because uncooled infrared telescopes use very sensitive thermal sensors, the lens must not be pointed directly at a source of strong amplitude (e.g. the sun, direct or reflected laser beams, etc.) under any circumstance (power on/off) ,or else permanent damage will be caused to the uncooled infrared telescope!
- After the laser indication function is enabled, do not shine on the human eye to avoid injury!
- Without any operation in 5 minutes(time can be customized), the

device enters hibernation mode, users can press any key to wake up.

- Please check the power when the device is used for the first time, and charge the device for three hours after use if necessary, and place the device at 40°C when charging.
- Please do not open the casing or modification without authorization, maintenance can only be carried out by our authorized personnel.

ZHEJIANG DALI TECHNOLOGY CO LTD

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FCC Statement

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 to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party. Responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

This equipment

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The SAR limit adopted by USA and Canada is 1.6 watts/kilogram (W/kg) averaged over one gram of tissue. The highest SAR value reported to the Federal Communications Commission (FCC) the Industry Canada (IC) for this device type when it is tested for the properly worn on the body is under 1g 1.6W/Kg.

The device complies with the RF specifications when the device is used near your at a distance of 0 mm from your body. Ensure that the device accessories such as a device case and a device holster are not composed of metal components. Keep your device away from your body to meet the requirement earlier mentioned.

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 0 mm must be maintained between the user's body and the product, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.