Manuals+ — User Manuals Simplified.

HIKMICRO 2.0 Series Thermal Monocular Thunder User Guide

Contents

HIKMICRO 2.0 Series Thermal Monocular Thunder User Guide

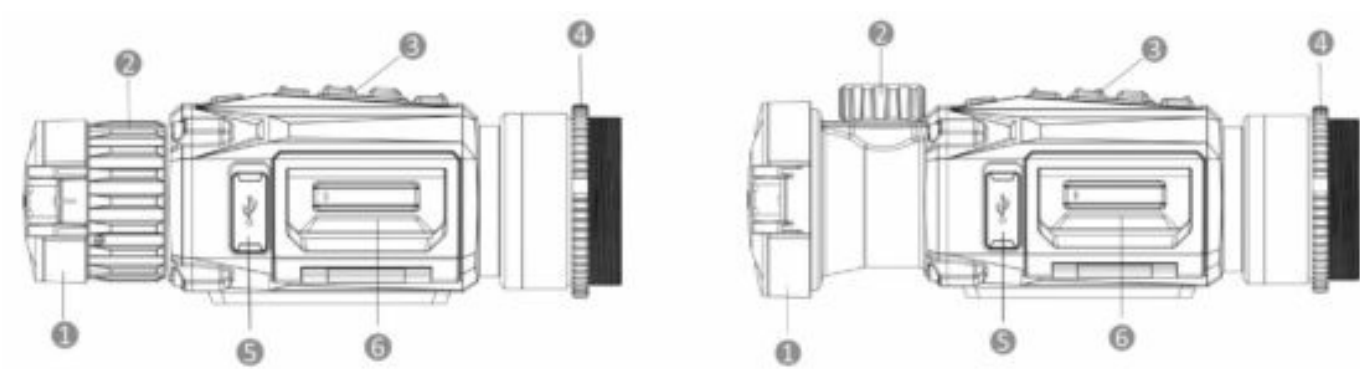**Contact Us**

1. Introduction

HIKMICRO THUNDER 2.0 Thermal Monocular featuring high thermal sensitivity ensures perfect detail recognition even in the hardest weather conditions when the object and background are with minimal temperature difference. With an extended operation time, the monocular is mainly applied to scenarios such as hunting.

2. Package Content

The package includes: Device (× 1), Battery (× 2), Type-C Cable (× 1), Lint-free Cloth (× 1), Battery Charger (× 1), Bag (× 1), Wrench (× 1), and Quick Start Guide (× 1).

3. Appearance

The appearance may vary according to different models. Please take the actual product for reference.
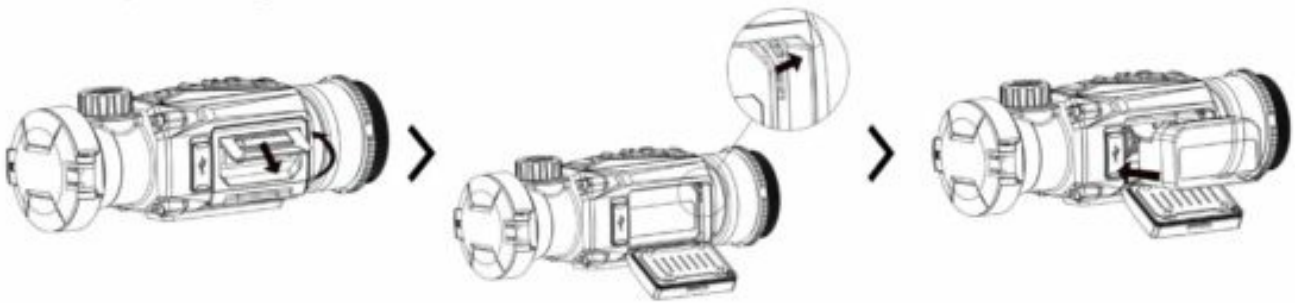

1. Lens Cover: Protects the lens.
2. Focus Ring/Knob: Adjusts focus to obtain clear targets.
3. Buttons: To set functions and parameters.
4. Fixing Ring: Holds the the adapter in place.
5. Type-C Interface: To connect the device to power supply or transmit data with a type-C cable.
6. Battery Compartment: For holding the battery.

Button Description

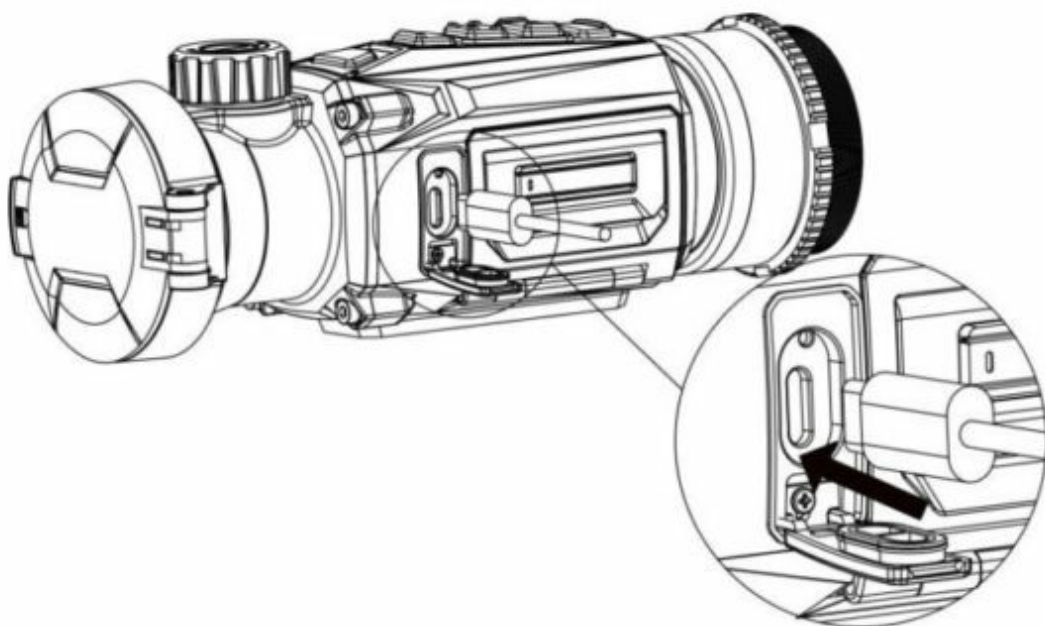|		
⏻	Power	**Press:** Standby mode/Wake up device. | **Hold:** Power on/off. ** The power indicator stays solid red when the device is on.*
M	Mode	**Press:** Switch palettes. | **Hold:** Correct non-uniformity of display (FFC).
📷	Capture	**Press:** Capture snapshots. | **Hold:** Start/Stop recording.
▤	Menu	Non-Menu Mode: **Press:** Enter the quick menu. | **Hold:** Enter the main menu. Menu Mode: **Press:** Confirm/Set parameters. | **Hold:** Save and exit menu.
🖼	Image	Clip-On Mode: Press to hide/display all OSD information. Monocular Mode: **Press:** Switch digital zoom. | **Hold:** Turn on/off PIP mode.
M + 📷	Mode + Capture	Hold to switch to monocular/clip-on mode.
📷 + 🖼	Capture + Image	Hold to enter the image calibration setting interface. (Only supported in clip-on mode.)

4. Change Battery

Steps

1. Lift the battery compartment cover handle and pull the battery compartment cover outwards.
2. Push the battery latch aside (as the arrow shows), and release the battery.
3. Take out the used battery, and insert a new battery. The latch locks the battery in place when the battery is fully inserted.
4. Push the battery compartment cover until it clicks into the locked position.

Note:

- Remove the battery if the device is not used for a long time.
- The device supports removable li-ion battery. The charging limited voltage of the battery is 4.2 V. The battery voltage and capacity is 3.6 V/4.4 Ah (15.84 Wh).
- Charge the battery for more than 4 hours before first use.
- Please purchase the battery type recommended by the manufacturer if necessary.

5. USB Connection

Steps

1. Lift the type-C interface cover.
2. Connect the device and power adapter with a type-C cable to power on the device.

6. App Connection

- Firmware Upgrade
- Browse & Save Exciting Moment
- Preview & Remote Control
- How-to Videos
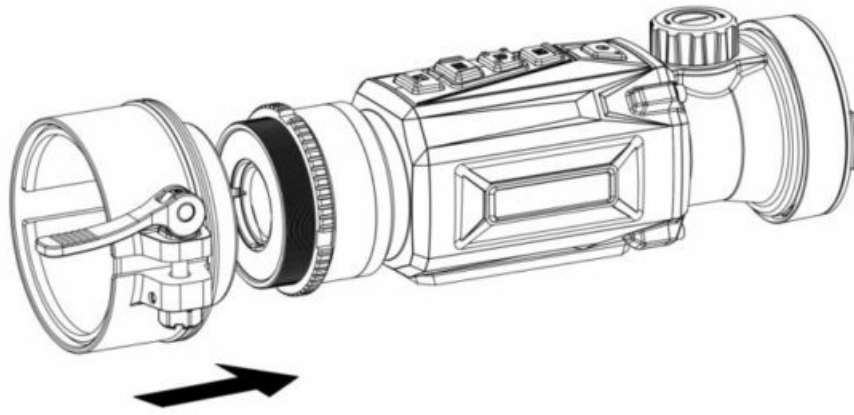- Repair Records & Warranty Details

Steps

1. Scan the QR code to download and install the app.
2. Select ⊚ in the device menu to enable hotspot.
3. Turn on WLAN of your phone and connect to the device hotspot.
   - Hotspot Name: HIKMICRO_Serial No.
   - Hotspot Password: Go to **Hotspot** in the menu to check the password.
4. Open the app and connect your phone with the device. You can view the device interface on your phone.

Note: If the password is not displayed, please upgrade the device to the latest version. Or enter the serial No. as the password.

7. Getting Started

Install Adapter

Install an adapter if you want to connect the device to a daylight scope.

Steps

Rotate the adapter clockwise until it is tightened securely.

If the buckle overlaps the scope and cannot be locked in place, rotate the fixing ring slightly to lock the buckle.

Note:

- The adapter is not included in the package. Please purchase it separately as needed.
- The thread size is M52 × 0.75 mm. Purchase the adapter recommended by the manufacturer.

Remove Adapter

Steps

1. Rotate the adapter counterclockwise to loosen it.
2. Remove the adapter carefully.

Calibrate Image

Steps

1. In main menu, select 🖵 in ≋ Function Settings, and press ▤ to enter the setting interface.
2. Select 🖾 and press ▤ to confirm. Press ◎ or 🖾 to adjust the menu size.
3. Select 🖵, and press ▤ to switch calib. profile.
4. Select 🖃, and press ▤ to enable reference line. Select ≑, and press ▤ to confirm. Press ◎ or 🖾 to adjust the position of reference line to ensure the position consistency.
5. (Optional) Select ✥, and press the wheel to freeze the image.
6. Select ⬜, and press ▤ to confirm. Press ▤ to select X or Y axis. Press ◎ or 🖾 to set the coordinates until the window reaches the target position.

8. More Operations

Scan the QR Code below to obtain the user manual for more operations.

Legal Information

About this Manual

The Manual includes instructions for using and managing the Product.
Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons.

Please find the latest version of this Manual at the HIKMICRO website (www.hikmicrotech.com/).

Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

LEGAL DISCLAIMER

BEFORE ANY PURCHASING, SELLING, MARKETING AND/OR USING OF THE PRODUCT.HIKMICRO SHALL NOT BE LIABLE FOR ANY SUCH ILLEGAL OR IMPROPER PURCHASING, SELLING, MARKETING, AND END USES AND ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR INDIRECT DAMAGES ARISING THEREOF. IN THE EVENT OF ANY CONFLICTS BETWEEN THIS MANUAL AND THE APPLICABLE LAW, THE LATTER PREVAILS.

Regulatory Information
These clauses apply only to the products bearing the corresponding mark or information.

EU Compliance Statement

CE This product and – if applicable – the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the Directive 2014/30/EU (EMCD), Directive 2014/35/EU (LVD), Directive 2011/65/EU (RoHS), Directive 2014/53/EU.

Hereby, Hangzhou Microimage Software Co., Ltd. declares that this device (refer to the label) is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: https://www.hikmicrotech.com/en/support/downloadcenter/declaration-of-conformity/

Frequency Bands and Power (for CE)
The frequency bands and modes and the nominal limits of transmitted power (radiated and/or conducted) applicable to this radio device are the following: Wi-Fi 2.4 GHz (2.4 GHz to 2.4835 GHz), 20 dBm.

Directive 2012/19/EU (WEEE Directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info.

Directive 2006/66/EC and its amendment 2013/56/EU (Battery Directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union.
See the product documentation for specific battery information.

The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info.

Industry Canada ICES-003 Compliance
This device meets the CAN ICES-003 (B)/NMB-003(B) standards requirements.
This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) this device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device.
This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment.

Safety Instruction
These instructions are intended to ensure that user can use the product
correctly to avoid danger or property loss.

Laws and Regulations
Use of the product must be in strict compliance with the local electrical safety regulations.

Transportation

- Keep the device in original or similar packaging while transporting it.
- Keep all wrappers after unpacking them for future use. In case of any failure occurred, you need to return the device to the factory with the original wrapper.
- Transportation without the original wrapper may result in damage on the device and the company shall not take any responsibilities.
- Do not drop the product or subject it to physical shock. Keep the device away from magnetic interference.

Power Supply

- The input voltage for the device should meet the Limited Power Source (5 VDC, 2 A) according to the IEC61010-1 or IEC62368 standard. Please refer to actual products and technical specifications for detailed information.
- The power source should meet limited power source or PS2 requirements according to IEC 62368-1 standard.
- Use the power adapter provided by qualified manufacturer. Refer to the product specification for detailed power requirements.
- Make sure the plug is properly connected to the power socket.
- DO NOT connect multiple devices to one power adapter, to avoid overheating or fire hazards caused by overload.

Battery

- Improper use or replacement of the battery may result in explosion hazard.
  Replace with the same or equivalent type only.
- Dispose of used batteries in conformance with the instructions provided by the battery manufacturer.
- Use the battery provided by qualified manufacturer. Refer to the product specification for detailed battery requirements.
- The purchased batteries by users need to comply with the relevant international standards about battery safety (e.g. EN/IEC standards).
- Do not dispose of the battery into fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion.
- Make sure the battery temperature is between 0°C to 45°C (32°F to 113°F) when charging.
- For long-term storage of the battery, make sure it is fully charged every half year to ensure the battery quality. Otherwise, damage may occur.
- The built-in battery cannot be dismantled. Please contact the manufacture for repair if necessary.
- Batteries of improper size cannot be installed, and may cause abnormal shutdown.
- The battery cannot be charged with external power source directly.
- Confirm there is no flammable material within 2 m of the charger during charging.
- Do not leave the battery in an extremely high temperature or low air pressure environment, which may result in an explosion or the leakage of flammable liquid or gas.

- DO NOT place the device with battery or the battery alone near heating or fire source. Avoid direct sunlight.
- DO NOT place the battery in the reach of children.
- DO NOT swallow the battery to avoid chemical burns.

Maintenance

- If the product does not work properly, please contact your dealer or the nearest service center. We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.
- Wipe the device gently with a clean cloth and a small quantity of ethanol, if necessary.
- If the equipment is used in a manner not specified by the manufacturer, the protection provided by the device may be impaired.
- Clean the lens with soft and dry cloth or wiping paper to avoid scratching it.
- It is recommended to reboot the device every 2 hours when using it to ensure the device performance.

Using Environment

- Make sure the running environment meets the requirement of the device. The operating temperature shall be -30 °C to 55 °C (-22 °F to 131 °F), and the operating humidity shall be from 5% to 95%.
- Place the device in a dry and well-ventilated environment.
- DO NOT expose the device to high electromagnetic radiation or dusty environments.
- DO NOT aim the lens at the sun or any other bright light.
- When any laser equipment is in use, make sure that the device lens is not exposed to the laser beam, or it may burn out.
- Avoid equipment installation on vibratory surface or places subject to shock (neglect may cause equipment damage).

Emergency
If smoke, odor, or noise arises from the device, immediately turn off the power, unplug the power cable, and contact the service center.

Manufacture Address
Room 313, Unit B, Building 2, 399 Danfeng Road, Xixing Subdistrict, Binjiang
District, Hangzhou, Zhejiang 310052, China
Hangzhou Microimage Software Co., Ltd.

COMPLIANCE NOTICE: The thermal series products might be subject to export controls in various countries or regions, including without limitation, the United States, European Union, United Kingdom and/or other member countries of the Wassenaar Arrangement. Please consult your professional legal or compliance expert or local government authorities for any necessary export license requirements if you intend to transfer, export, re-export the thermal series products between different countries.

Hikmicro Hunting.Global Hikmicro Hunting.Global HIKMICRO Outdoor HIKMICRO www.hikmicrotech.com support@hikmicrotech.com

Read More About This Manual & Download PDF:

Documents / Resources

	HIKMICRO 2.0 Series Thermal Monocular Thunder [pdf] User Guide 2.0 Series Thermal Monocular Thunder, 2.0 Series, Thermal Monocular Thunder, Monocular Thunder, Thunder

References

- **User Manual**