



HIKMICRO THUNDER 2.0 Series Thermal Monocular User Guide

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HIKMICRO THUNDER 2.0 Series Thermal Monocular



Product Information



Contact Us

Specifications

- **Product Name:** HIKMICRO THUNDER 2.0 Thermal Monocular
- **Thermal Sensitivity:** High sensitivity for perfect detail recognition
- **Operation Time:** Extended battery life
- **Main Application:** Hunting and other scenarios

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.

Package Content

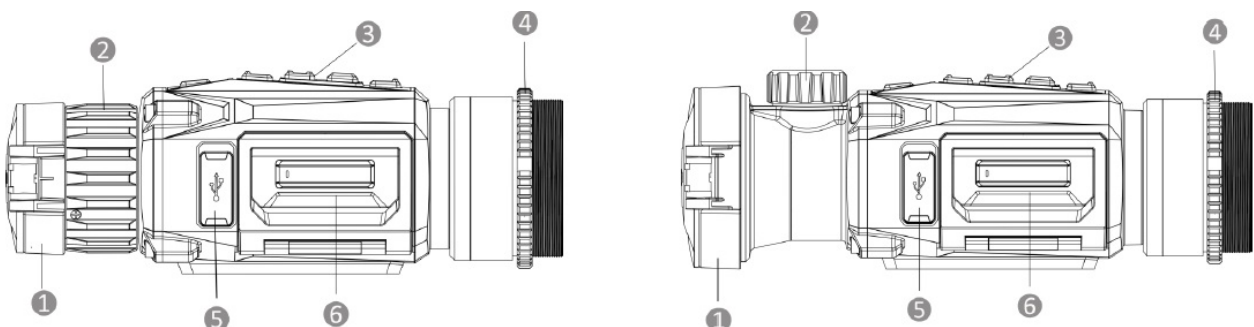
The package includes the following items:

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 clip-on eyepiece 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

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).

Appearance






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



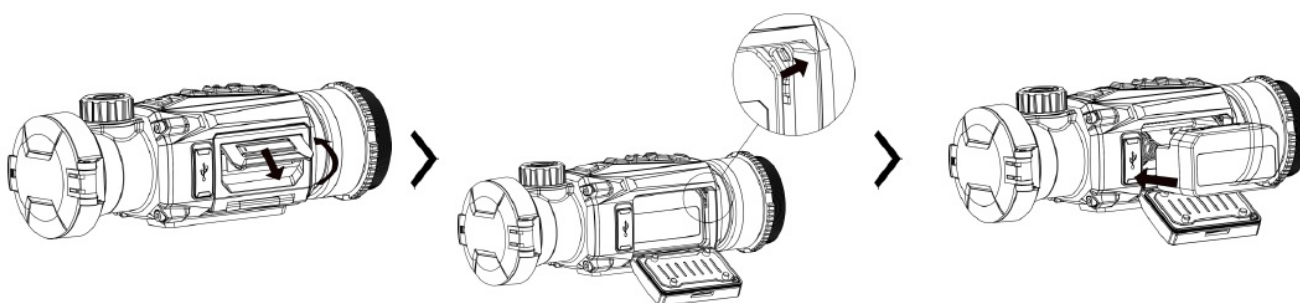
1. Lens Cover: Protects the lens.
2. Focus Ring/Knob: Adjusts focus to obtain clear targets.
3. Buttons: To set functions and parameters.
4. Fixing Ring: Holds the clip-on eyepiece in place.
5. Type-C Interface: To connect the device to power supply or transmit data with a type-C cable.
6. Battery Compartment: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

Button Description

- Power Button: Press to standby mode/wake up device, hold to power on/off
- Capture Button: Press to switch palettes, hold to correct non-uniformity of display (FFC)
- Menu Button: Press to call quick menu, hold to enter/exit main menu, and exit quick menu
- Image Button: Press to capture snapshots, hold to start/stop recording

	Power	Press: Standby mode/wake up device Hold: Power on/off <i>* The power indicator stays solid red when the device is on.</i>
	Mode	Press: Switch palettes Hold: Correct non-uniformity of display (FFC)
	Capture	Press: Capture snapshots Hold: Start/stop recording
	Menu	Press: Call quick menu Hold: Enter/exit main menu, and exit quick menu
	Image	Press: Clear/display all OSD information on live view interface.

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.

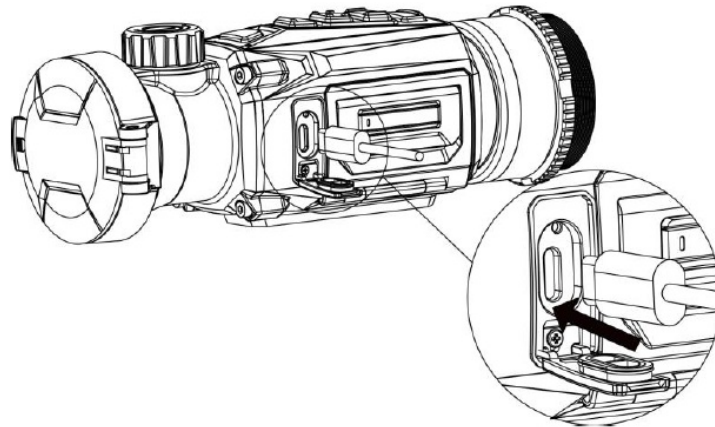
Note:

- Remove the battery if you aren't making use of the device for a long time.
- The device supports removable li-ion battery. The charging limited voltage of the battery is 4.2 V. The Battery 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.

Battery Information

The battery 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.

USB Connection



Steps

1. Turn on the device and make sure the hotspot function is disabled.
2. Lift the type-C interface cover.
3. Connect the device and power adapter with a type-C cable to power on the device.

App Connection



Android



iOS

For Android:

- Live view
- HIKMICRO Academy
- Set parameters
- Upgrade device
- Access albums

- Capture snapshots and record videos

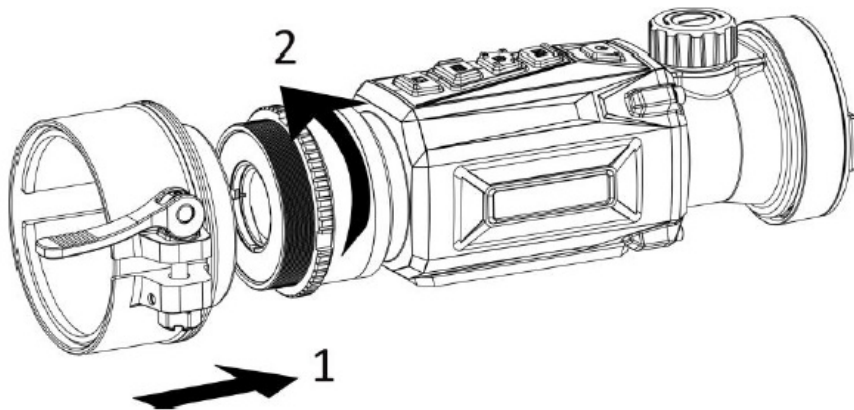
For iOS:

The app connection features are not specified in the provided manual.

Getting Started

Install Adapter

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



Steps

1. Align the red dot of the adapter with the red dot of the clip-on eyepiece, and insert the adapter as arrow 1 shows.
2. Rotate the fixing ring clockwise with the supplied wrench (as arrow 2 shows) to secure the adapter.

Notes:













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

Remove Adapter

1. Rotate only the fixing ring counterclockwise, and make sure the device or other parts of the adapter are not rotated or moved.
2. Plug out and remove the adapter after it is loosened.

Calibrate Image



1. In the main menu, select  Image Calibration in  Function Settings, and press  to enter the setting interface.
2. Select  and press  to switch calib. profile.
3. Select  and press  to enable reference line.
4. Select  or  and press  to confirm. Press  and  to set the coordinates until the window reaches the target position.

More Operations

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



Legal Information


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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.

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Regulatory Information

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

EU/UKCA Conformity Statement


-  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).

-  This product and – if applicable – the supplied accessories too are marked with “UKCA” and comply therefore with the following directives: Radio Equipment Regulations 2017, Electromagnetic Compatibility Regulations 2016, Electrical Equipment (Safety) Regulations 2016, the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012.

Frequency Bands and Power (for CE/UKCA)

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.

According to the Waste Electrical and Electronic Equipment Regulations 2013: Products marked with this symbol cannot be disposed of as unsorted municipal waste in the United Kingdom. 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.

According to the Batteries and Accumulators (Placing on the Market) Regulations 2008 and the Waste Batteries and Accumulators Regulations 2009: This product contains a battery that cannot be disposed of as unsorted municipal waste in the United Kingdom. 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 licence-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 60950-1 OR 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 over-heating 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.
- 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 place the battery 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).
- This device can only be safely used in the region below 2000 meters above the sea level.

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.

FAQ

1. Q: What is the battery capacity of the HIKMICRO THUNDER 2.0 Thermal Monocular?

A: The battery capacity is 3.6 V/4.4 Ah (15.84 Wh).

2. Q: How long should I charge the battery before first use?

A: Charge the battery for more than 4 hours before first use.

3. Q: Can I use any type of battery with this device?

A: Please purchase the battery type recommended by the manufacturer if necessary.

4. Q: Is the adapter included in the package?

A: No, the adapter is not included in the package. Please purchase it separately as needed.




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Linkedin: HIKMICRO
Website: www.hikmicrotech.com
E-mail: support@hikmicrotech.com

Documents / Resources

	HIKMICRO THUNDER 2.0 Series Thermal Monocular [pdf] User Guide THUNDER 2.0 Series Thermal Monocular, THUNDER 2.0 Series, Thermal Monocular, Monocular
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References

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