




HIKMICRO PANTHER 2.0 Series Thermal Image Scope User Guide

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HIKMICRO PANTHER 2.0 Series Thermal Image Scope



Product Information

The HIKMICRO PANTHER 2.0 Series Thermal Image Scope is a device that provides clear images in harsh environmental conditions such as darkness, fog, smoke, dust, rain, snow, woods, and camouflage. It is primarily designed for hunting scenarios.

Package Content

The package includes the following items:

- Lens Cover: Protects the lens
- Focus Ring: Adjusts focus for clear targets
- Laser Range Finder: Measures distance with laser
- Battery Compartment: Holds the battery
- Fixing Ring: Fixes the eyepiece
- Diopter Adjustment Ring: Adjusts dioptric setting
- Eyepiece: Allows viewing of the target
- Buttons: Used to set functions and parameters
- Type-C Interface: Connects the device to power supply or transmits data with a type-C cable

Product Usage Instructions

Introduction

The HIKMICRO PANTHER 2.0 Thermal Image Scope is designed to provide clear images in challenging environmental conditions. It is primarily used for hunting.

Package Content

The package includes various components such as lens cover, focus ring, laser range finder, battery compartment, fixing ring, diopter adjustment ring, eyepiece, buttons, and type-C interface. Please refer to the actual product for specific details.

Appearance

The appearance of the device may vary depending on the model. Please refer to the actual product for accurate reference.

Change Battery

To change the battery, follow these steps:

1. Rotate the battery compartment cover counterclockwise to loosen and remove it.
2. Remove the used battery and insert a new battery into the compartment, following the positive and negative marks.
3. Rotate the battery compartment cover clockwise until it is tight and locked.

Note: The battery voltage is 3.6 VDC, and the battery capacity is 3350 mAh (12.06 Wh). Charge the battery for more than 4 hours before first use. To ensure better conductivity, if the battery compartment cover gets dirty, use a clean cloth to wipe the thread.

USB Connection

The device supports USB connection. Please refer to the user manual for detailed instructions on how to connect the device via USB.

App Connection

The device can be connected to an app. Please refer to the user manual for detailed instructions on how to connect the device to the app.

Getting Started

To mount the device on a rail:

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

Note: The rail is not included in the package and needs to be purchased separately. Use a lint-free cloth to clean the device base and the rail.

Zeroing

To zero the device:

1. Select “Zeroing” in the main menu and press the wheel to enter the reticle setting interface.
2. Select a reticle and set the distance to the target.
3. Aim at the target.
4. Select the digital zoom ratio and select the desired setting.

Introduction

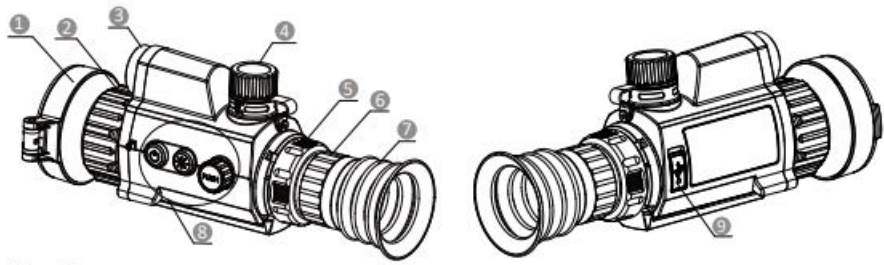
HIKMICRO PANTHER 2.0 Thermal Image Scope provides clear image under harsh environment conditions like darkness, fog, smoke, dust, rain, snow, woods, camouflage, etc. The scope is mainly applied to scenarios such as hunting.

Package Content

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

Appearance

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

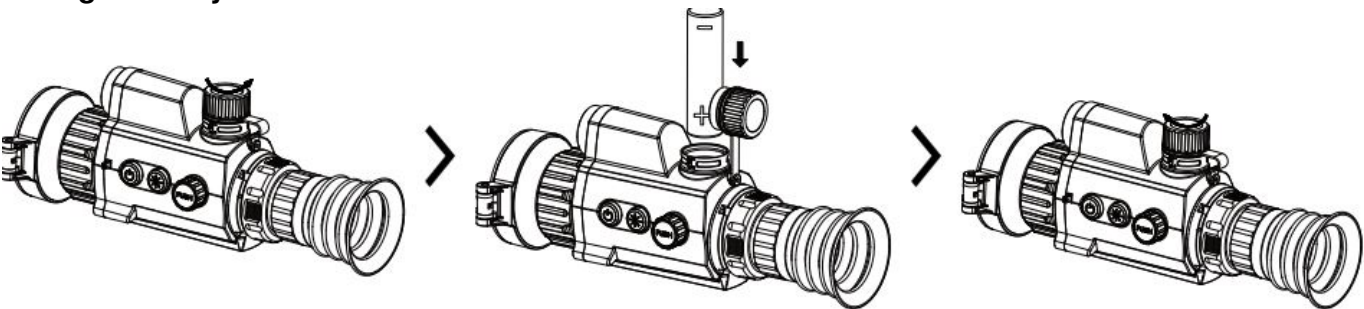


- 1. **Lens Cover:** Protects the lens.
- 2. **Focus Ring:** Adjusts focus to obtain clear targets.
- 3. **Laser Range Finder:** Measures the distance with laser.
- 4. **Battery Compartment:** For holding the battery.
- 5. **Fixing Ring:** To fix the eyepiece.
- 6. **Diopter Adjustment Ring:** Adjusts the dioptic setting.
- 7. **Eyepiece:** The piece placed closest to the eye to view the target.
- 8. **Buttons:** To set functions and parameters.
- 9. **Type-C Interface:** To connect the device to power supply or transmit data with a type-C cable.

Button Description

	Power	Press: Standby mode/Wake up device. Hold: Power on/off.
	Measure	Press: Start laser ranging. Press Twice: Turn off laser ranging. Hold: Capture snapshots.
	Wheel	Non-Menu Mode: Press: Enter the quick menu. Hold: Enter the main menu. Rotate: Switch digital zoom. Menu Mode: Press: Confirm/Set parameters. Hold: Exit the menu. Rotate: Move up/Move down.
	Measure + Wheel	Press: Start or stop recording videos. Hold: Correct non-uniformity of display (FFC).

Change Battery



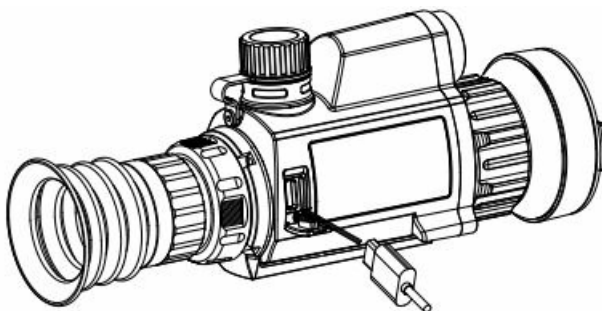
Steps

1. Rotate the battery compartment cover counterclockwise to loosen and remove it.
2. Remove the used battery, and insert a new battery into the battery compartment as the positive and negative marks indicate.
3. Rotate the battery compartment cover clockwise until it is tight and locked.

Note:

- Remove the battery if the device is not used for a long time.
- The battery type is 18650 with the protection board, and the battery size should be 19 mm × 70 mm. The rated voltage is 3.6 VDC, and the battery capacity is 3350 mAh (12.06 Wh).
- Charge the battery for more than 4 hours before first use.
- To ensure better conductivity, if the battery compartment cover gets dirty, use a clean cloth to wipe the thread.

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.

App Connection



Android

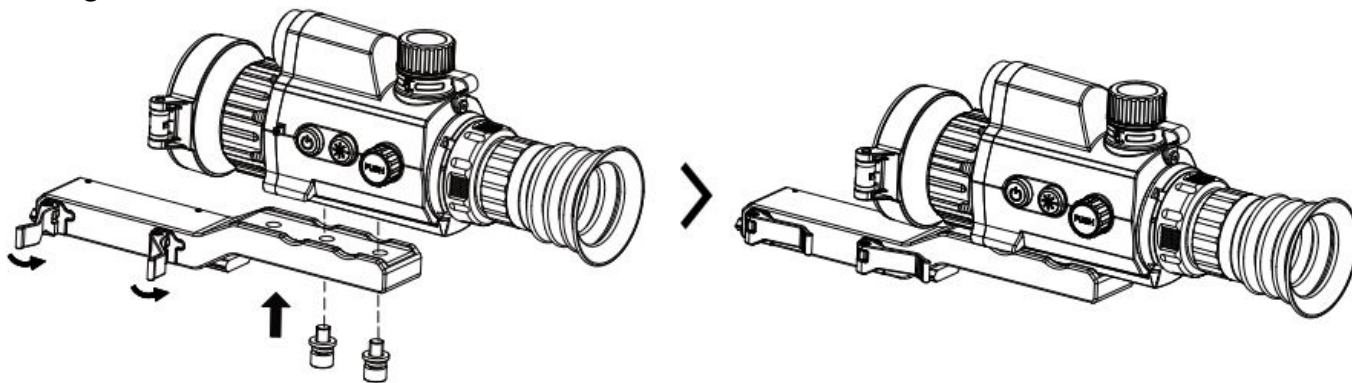


iOS

Live view

- HIKMICRO Academy
- Set parameters
- Upgrade device
- Access albums
- Capture snapshots and record videos

Getting Started Mount Device on Rail



Steps

1. Turn off the device first. Align the screw holes on the device with those on the rail.
2. Insert the screws into the holes and tighten them securely.
3. Tighten the levers to secure the device.








Note:

- The rail is not included in the package. Please purchase it separately.
- Use lint-free cloth to clean the device base and the rail.

Zeroing



Steps

1. Select  in the main menu, and press the wheel to enter the reticle setting interface.
2. Select  to select a reticle, and select  to set the distance to the target.
3. Aim at the target.
4. Select  to set the digital zoom ratio, and select to  freeze the image.
5. Rotate the wheel to set the coordinates  or  until the big reticle aligns with the point of impact.

More Operations

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



Regulatory Compliance and Safety Information

- Read all information and instructions in this document carefully before using the device and keep it for further reference.
- For more device information and instructions, please visit our website at www.hikmicrotech.com.
- You can also refer to other documents (if any) accompanying the device or scan the QR code (if any) on the packaging to get more information.
- © 2023 Hangzhou Microimage Software Co., Ltd. All rights reserved.

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

EU/UK Compliance 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), Directive 2014/53/EU.
- 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 transmitting power (radiated and/or conducted) nominal limits applicable to the following radio equipment are as follows:
- Wi-Fi 2.4 GHz (2.4 GHz to 2.4835 GHz), 20 dBm
- For the device without a supplied power adapter, use the power adapter provided by a qualified manufacturer. Refer to the product specification for detailed power requirements.
- For the device without a supplied battery, use the battery provided by a qualified manufacturer. Refer to the product specification for detailed battery requirements.
- 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.

Safety Instruction

- These instructions are intended to ensure that user can use the product correctly to avoid danger or property loss. Please read all the safety information carefully before using.

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 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 ICE 62368-1 standard.
- 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.
- The battery charger is included in the package. The input voltage for the supplied battery charger should meet the Limited Power Source (5 VDC, 2 A).

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.
- The battery type is 18650 with the protection board, and the battery size should be 19 mm × 70 mm. The rated voltage and capacity are 3.6 VDC/3.35 Ah (12.06 Wh).
- 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.
- Do not charge other battery types with the supplied charger. Confirm there is no flammable material within 2 m of the charger during charging.
- 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.
- The device cannot be charged. Please use the supplied charger to charge the battery.

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.

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.


Laser

- 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. The laser radiation emitted from the device can cause eye injuries, burning of skin or inflammable substances. Before enabling the laser ranging function, make sure no human or inflammable substances are in front of the laser lens. Do not place the device where minors can fetch it.

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.
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Documents / Resources

	<p>HIKMICRO PANTHER 2.0 Series Thermal Image Scope [pdf] User Guide PQ35L 2.0, PQ50L 2.0, PANTHER 2.0 Series Thermal Image Scope, Thermal Image Scope, Image Scope, Scope</p>
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