



Handheld Screen For Handheld Monocular

User Manual V5.5.74 202308



Contact Us

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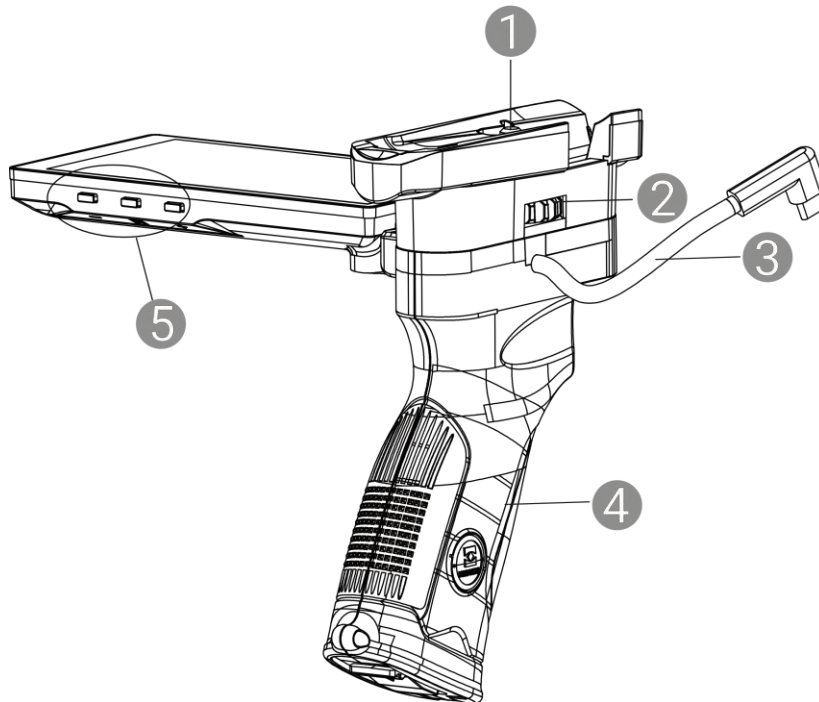
Chapter 1 Overview

1.1 Brief Description

The handheld screen integrates functions of extended display, parameter configuration, power supply, and so on. It can directly provide power for handheld monocular and extend display to show clear image and improve search efficiency.

1.2 Appearance

The appearance may differ from the actual product. Please take the actual product for reference.



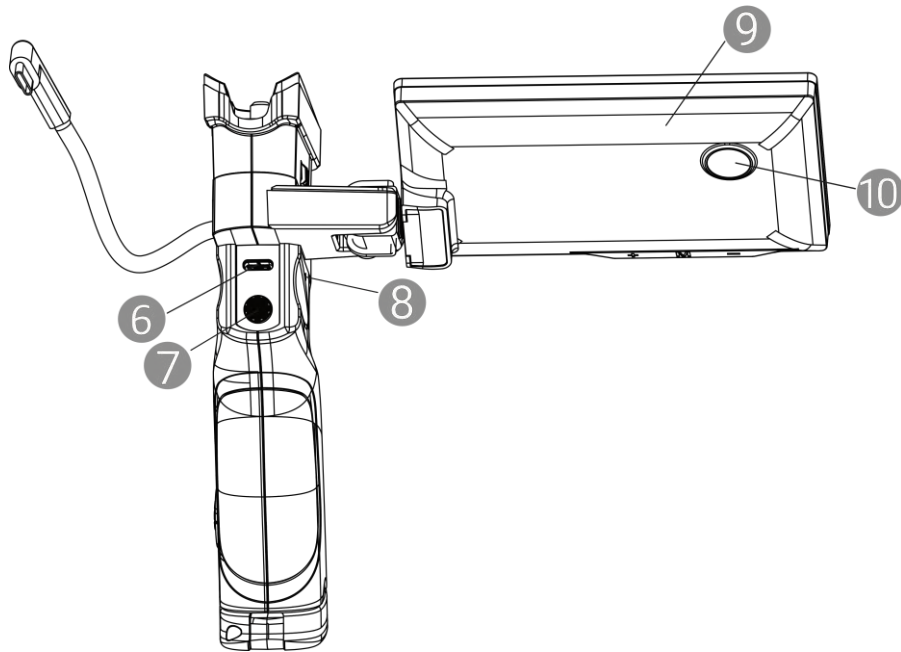






Figure 1-1 Appearance

Table 1-1 Components

No.	Description	Function
1	Tripod Screw	To install the handheld monocular.
2	Tripod Adapter	To fix the handheld monocular.
3	Type-C Cable	To connect the handheld monocular for image view or connect to PC for device upgrade.
4	Battery Compartment	For holding the battery.
5	Buttons	To set functions and parameters.
6	Type-C Interface	Charge the handheld monocular with external power supply.
7	Power Button	Hold to power on/off the device.
8	Status Indicator	To Indicate the device status. The indicator stays solid green when the device is on.
9	Touch Screen	To view image and operate device with touch control.
10	LED Light	To increase ambient brightness in dark environment. <i>*LED light cannot be turned on when device battery is low.</i>

Table 1-2 Button Description

Button	Description	Function
	Power	<ul style="list-style-type: none">• Press: Standby mode/Wake up device.• Hold: Power on/off.
	-	Non-Menu Mode: Hold to turn on/off LED light. Menu Mode: Press to move up.
	Menu	Non-Menu Mode: Press to enter the menu. Menu Mode: <ul style="list-style-type: none">• Press: Confirm/set parameters.• Hold: Save and exit menu.
	+	Non-Menu Mode: Hold to turn on/off OSD (On-screen Display) information. Menu Mode: Press to move down.

Chapter 2 Preparation

2.1 Install Battery

2.1.1 Battery Instruction

- The external rechargeable battery type is 18650, and the battery size should be 19 mm × 70 mm. The rated voltage and capacity are 3.6 VDC/3200 mAh.
- Remove the battery if the device is not used for a long time.
- To ensure better conductivity, if the battery compartment cover gets dirty, use a clean cloth to wipe the thread.

2.1.2 Battery Installation

Install the battery into the battery compartment as shown in the figure below.

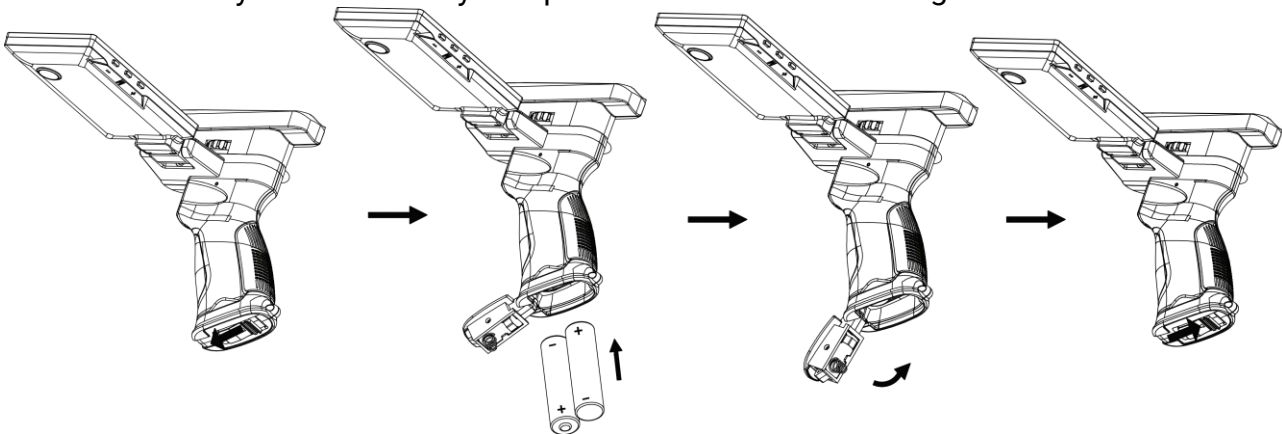




Figure 2-1 Install Battery

2.2 Power On/Off

Power On

Hold  to power on the device. Please make sure the device battery is enough.

Power Off

When the device is turned on, hold  to power off the device.

Note

- Power-off countdown will appear when you power off the device. You can press any button or touch the screen to interrupt the countdown and cancel the power-off.
 - Automatic low battery power-off cannot be canceled.
-

2.3 Connect Handheld Monocular


2.3.1 Connection Setting

The device can be connected to the handheld monocular with Type-C cable to view the real-time image of handheld monocular.

Before You Start

Make sure CVBS output or UVC output of the handheld monocular is enabled. Please refer to the user manual of handheld monocular for detailed operation.

Steps

1. Press **M** to show the menu, and select .
 2. Press **M** to enter the configuration interface, and press **+** or **-** select **Video Input**.
 3. Hold **M** to save and exit.
-

Note

The operation may vary due to firmware version updates. Please take the actual version for reference.

2.3.2 Install Handheld Monocular

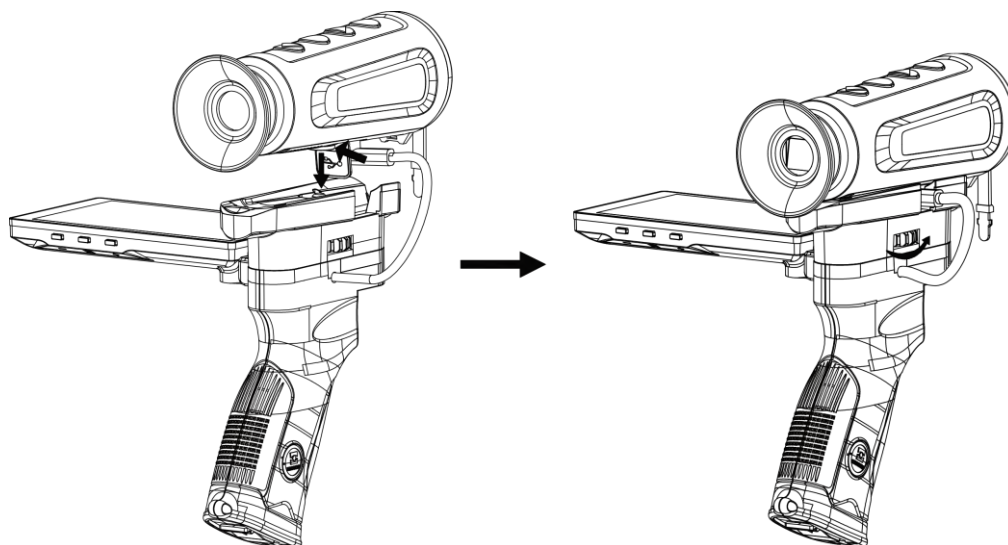


Figure 2-2 Install Handheld Monocular

Steps

1. Lift the type-C interface cover of handheld monocular, and connect the handheld monocular with the type-C cable.
2. Align the tripod mount interface of the handheld monocular to the tripod screw of device, and rotate the tripod adapter counterclockwise until it is tight to fix the handheld monocular.

Note

The appearance of handheld monocular may vary according to actual situations. Please take the actual product for reference.

2.4 Operation Interface

You can configure the parameters by pressing the button or touching the screen.

2.4.1 Live View Interface

The live view interface shows “NO VIDEO” after the device is on.

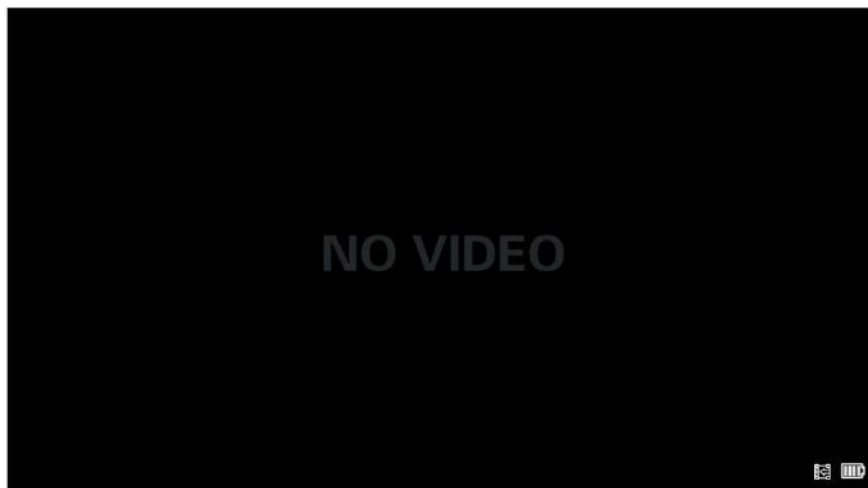


Figure 2-3 Live View Interface (Without Connecting Handheld Monocular)

2.4.2 Menu

When device is not connected to a handheld monocular, in the live view interface, press **M** to show the menu. You can adjust brightness, set USB connection or language, turn on reverse charging, restore device, and view the device version. Hold **M** or touch **<** on the upper left of the screen to exit the menu.

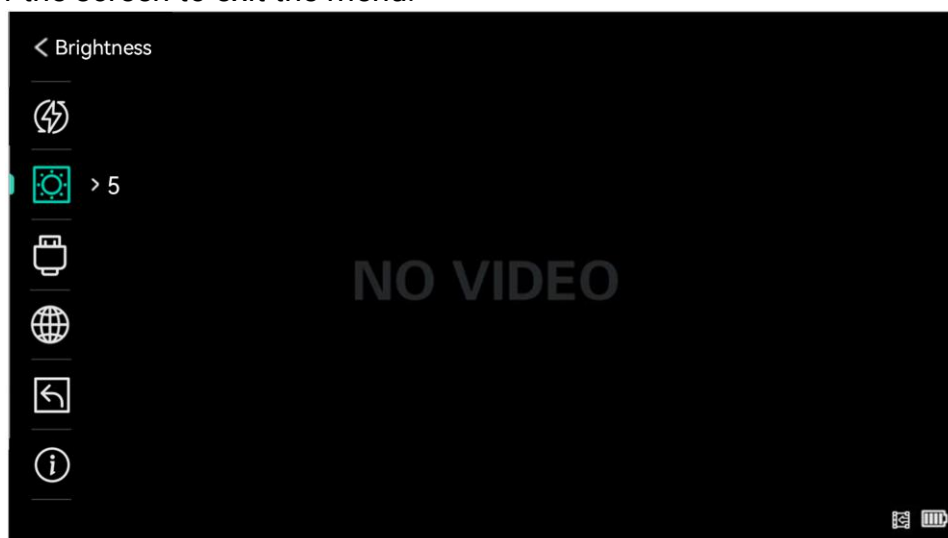


Figure 2-4 Device Menu (Without Connecting Handheld Monocular)

When device is connected to a handheld monocular, in the live view interface, press **M** to show the menu. Besides the above-mentioned functions, you can set aspect ratio.




Figure 2-5 Device Menu

2.5 Upgrade Device

Before You Start

Please get the upgrade package from the official website <http://www.hikmicrotech.com>.

Steps

1. Press **M** to show the menu, and select .
2. Press **M** to enter the configuration interface, and press **+** or **-** select **USB Flash Drive**.
3. Hold **M** to save and exit.
4. Connect the device to your PC with type-C cable.

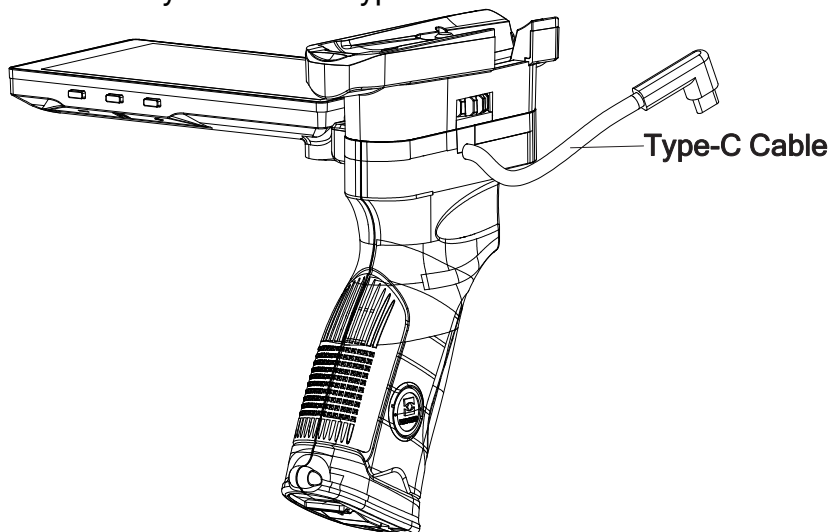


Figure 2-6 Connect Device to PC with Type-C Cable

5. Open the detected disk, copy the upgrade file and paste it to the root directory of the device.
6. Disconnect the device from your PC.
7. Reboot the device.

Result

The device upgrades automatically. The upgrading process will be displayed in the interface.

Chapter 3 Device Settings









3.1 Set Aspect Ratio

You can set the aspect ratio to according to personal preference.

Before You Start

The device has been connected to the handheld monocular.









Steps

1. Press  to show the menu.
2. Press  or  to select  and press  to confirm.
3. Press  or  to select aspect ratio.
 - **Adaptive:** The adaptive mode can automatically recognize the screen width or height, scale the image proportionally to the device screen, and center the image display.
 - **Full-Screen:** Full-screen mode means the image is stretched to fit the screen.
4. Hold  to save and exit.

3.2 Adjust Brightness

You can adjust the display brightness of the screen.

Steps

1. Press  to show the menu.
2. Press  or  to select  and press  to confirm.
3. Press  or  to adjust display brightness.
4. Hold  to save and exit.


3.3 Reverse Charging

The device can provide the power for handheld monocular when reverse charging function is enabled.

Before You Start

The device has been connected to the handheld monocular.

Steps

1. Press **M** to show the menu.
2. Press **+** or **=** to select .
3. Press **M** to enable the reverse charging.
4. Hold **M** to save and exit.


Note

- Reverse charging is not supported when device battery is low.
 - After the reverse charging is enabled, if you select **USB Flash Drive** in USB connection mode, the reverse charging is turned off automatically. If you switch USB connection mode to **Video Input**, the reverse charging recovers automatically.
-

3.4 Set Language


You can select the device language in this function.

Steps

1. Press **M** to show the menu, and press **+** or **=** to select .
2. Press **M** to enter the language configuration interface.
3. Press **+** or **=** to select the language as required, and press **M** to confirm.
4. Hold **M** to save and exit.


3.5 Restore Device

Steps

1. Press **M** to show the menu, and press **+** or **=** to select .
2. Press **M** to restore the device to defaults according to the prompt.

3.6 View Device Information

Steps

1. Press **M** to show the menu, and press **+** or **=** to select .
2. Press **M** to confirm. You can view the device information such as version and serial No.

3. Hold **M** to save and exit.

Chapter 4 Frequently Asked Questions

4.1 Why is the power indicator off?

Check whether the device is off-battery.

4.2 Why the PC cannot identify the device?

- Check whether the device is connected to your PC with supplied type-C cable.
- Check whether USB connection mode of device has been set to **USB Flash Drive**.

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.

Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 Danger	Indicates a hazardous situation which, if not avoided, will or could result in death or serious injury.
 Caution	Indicates a potentially hazardous situation which, if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 Note	Provides additional information to emphasize or supplement important points of the main text.

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

- Input voltage should meet the Limited Power Source (5 VDC, 2 A) according to the EN61010 standard. Please refer to technical specifications for detailed information.
- 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

- The external rechargeable battery type is 18650, and the battery size should be 19 mm × 70 mm. The rated voltage and capacity are 3.6 VDC/3200 mAh.

- 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.
- CAUTION: Risk of explosion if the battery is replaced by an incorrect type.
- Improper replacement of the battery with an incorrect type may defeat a safeguard (for example, in the case of some lithium battery types).
- 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.
- Do not leave the battery in an extremely high temperature surrounding environment, which may result in an explosion or the leakage of flammable liquid or gas.
- Do not subject the battery to extremely low air pressure, which may result in an explosion or the leakage of flammable liquid or gas.
- Dispose of used batteries according to the instructions.

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.

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%.
- DO NOT expose the device to high electromagnetic radiation or dusty environments.
- DO NOT aim the screen at the sun or any other bright light.

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.

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.

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 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) and Directive 2011/65/EU (RoHS).

Note: The products with the input voltage of within 50 to 1000 VAC or 75 to 1500 VDC comply with Directive 2014/35/EU (LVD), and the rest products comply with Directive 2001/95/EC (GPSD). Please check the specific power supply information for reference.

Warning: This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

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



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.

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