

User Manual

Thermal Scope

STELLAR 4.0 SERIES

V6.3.0 202610



Contact Us

CONTENTS

1	Overview	1
1.1	Main Function.....	1
1.2	Appearance.....	1
2	Preparation	5
2.1	Cable Connection	5
2.2	Install Battery	5
2.2.1	Battery Instruction	5
2.2.2	Battery Installation.....	5
2.3	Mount Device.....	6
2.3.1	Installation for Rail-Mounted Model.....	6
2.3.2	Quick Installation for Mounting-Ring Model.....	8
2.3.3	Regular Installation for Mounting-Ring Model	9
2.4	Power On/Off	11
2.5	Auto Screen Off	12
2.6	Menu Description	13
2.7	App Connection	13
2.8	Firmware Status	14
2.8.1	Check Firmware Status.....	14
2.8.2	Upgrade Device	15
2.9	Zeroing (Overview)	16
3	Image Settings.....	18
3.1	Adjust Diopter	18
3.2	Adjust Focus.....	18
3.3	Adjust Brightness	19
3.4	Adjust Contrast.....	19
3.5	Adjust Tone.....	19
3.6	Adjust Sharpness	20
3.7	Set Palettes.....	22
3.7.1	Custom Enabled Palettes	22
3.7.2	Switch Palettes	22
3.8	Adjust Digital Zoom.....	26
3.9	Flat Field Correction	26
3.10	Correct Defective Pixel	26
3.11	Set Picture in Picture Mode	27
3.12	Set Pitch Scale	28
4	Zeroing.....	30
4.1	Set Reticle Mode	30
4.2	Select Zeroing Profile.....	30
4.3	Set Reticle.....	31
4.4	Correct Reticle	32

Thermal Scope User Manual

4.4.1	Correct Reticle on Device.....	32
4.4.2	Correct Reticle via HIKMICRO Sight.....	35
4.5	Ballistic Calculation for Hunting.....	36
5	Measure Distance	39
6	General Settings.....	41
6.1	Set OSD.....	41
6.1.1	Set Pure Recording Mode.....	41
6.2	Set Brand Logo	41
6.3	Burning Prevention.....	42
6.4	Capture and Video	42
6.4.1	Capture Picture	42
6.4.2	Set Audio	43
6.4.3	Record Video	43
6.4.4	Prerecord Video.....	44
6.4.5	Local Album.....	44
6.5	Export Files	45
6.5.1	Export Files via HIKMICRO Sight.....	45
6.5.2	Export Files via PC	46
6.6	Direction Display.....	47
6.6.1	Switch on Compass	47
6.6.2	Calibrate Compass.....	47
6.6.3	Magnetic Declination Correction.....	49
6.7	Geographic Location Display	49
7	System Settings.....	51
7.1	Adjust Date	51
7.2	Synchronize Time.....	51
7.3	Set Language.....	51
7.4	Set Unit	52
7.5	Cast Device Screen to PC.....	52
7.6	Set Screen Lock Passcode	52
7.6.1	Enable Passcode.....	53
7.6.2	Change Passcode	53
7.7	View Device Information	54
7.7.1	Set Simple Menu Mode.....	54
7.8	Restore Device.....	54
7.9	Reset Device	54
8	Frequently Asked Questions.....	56
8.1	Why is the monitor off?	56
8.2	The image is not clear, how to adjust it?.....	56
8.3	Capturing or recording fails. What's the problem?.....	56
8.4	Why the PC cannot identify the device?	56

1 Overview

HIKMICRO STELLAR 4.0 Thermal Image Scope is designed for clear and reliable observation in demanding conditions. With up to 1280 × 1024 sensor, <12 mK NETD, and 75 mm lens, it delivers detailed thermal images for confident target identification. The 3.0× / 3.5× base magnification and LRF-inside design provide a practical and intuitive viewing and ranging experience. Its refined controls and rail-mount compatibility further support a seamless, dependable operation.

1.1 Main Function

- **Image Pro 4.0:** Featured with Image Pro 4.0 imaging algorithm, STELLAR 4.0 delivers minimal details of animals' characteristics and layered backgrounds with less noise.
- **Intelligent Zoom:** The Zoom Pro 2.0 leverages upgraded AI algorithms to enhance image clarity and fine details as you zoom in, while delivering smoother, more fluid zoom transitions. Combined with the intuitive rear magnification design, it makes zooming feel natural and effortless.
- **HSIS (HIKMICRO Shutterless Image System):** The shutterless technology is available on all models of STELLAR 4.0. It eliminates the need for periodic calibration pauses, ensuring uninterrupted focus in the field.
- **Simple Menu:** Simple Menu reduces unnecessary settings and only keeps the major function for easier operation.

1.2 Appearance



Note

- The appearance may vary according to different models. Please take the actual product for reference.
 - Pictures in this manual are for illustration purpose only. The actual product may be different.
-

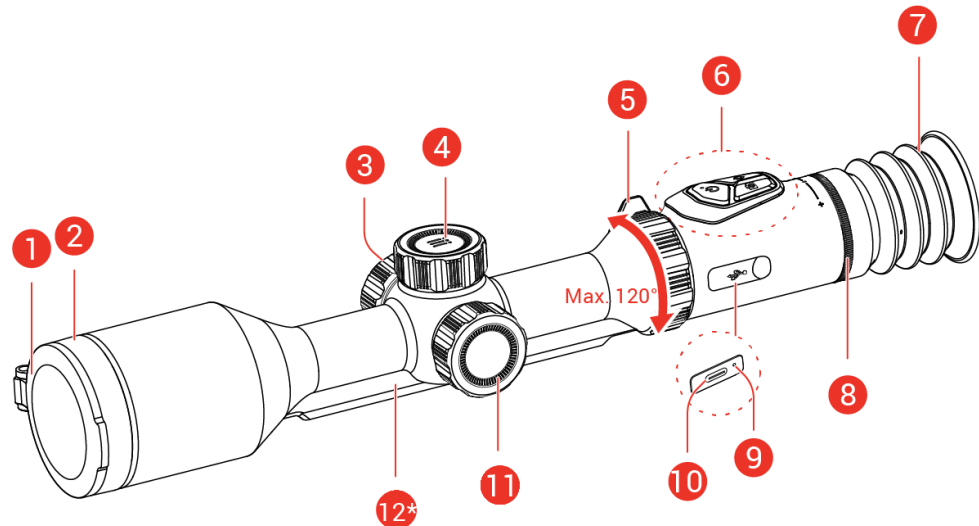


Figure 1-1 Appearance of Rail-Mounted Model

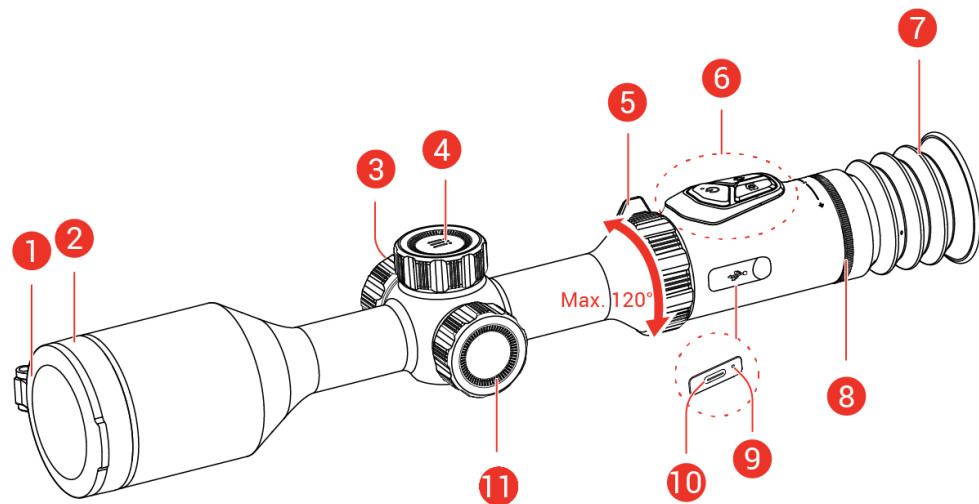


Figure 1-2 Appearance of Mounting-Ring Model

Table 1-1 Description of Components

No.	Component	Description
1	Lens Cover	Protects the lens.
2	Thermal Lens	For thermal imaging.
	Laser Range Finder	LRF module in the lens. Measures the distance to the target with laser. <i>* The LRF module may vary due to different device models.</i>
3	Battery Compartment	For holding the battery.
4	Wheel	To select functions and parameters
5	Digital Zoom Ring	Rotate to adjust digital zoom.
6	Buttons	To set functions and parameters.

No.	Component	Description
7	Eyepiece	The piece placed closest to the eye to view the target.
8	Diopter Adjustment Ring	Adjusts the dioptic setting.
9	Charging Status Indicator	Indicates the charging status of the device. <ul style="list-style-type: none"> ● Flashing Red & Green: Error occurred. ● Solid Red: Charging. ● Solid Green: Fully charged.
10	Type-C Interface	To connect the device to power supply or transmit data with a type-C cable.
11	Focus Wheel	Adjusts focus to obtain clear targets.
12	Rail (Rail-Mounted Model)	To install the device through the quick detach saddle-mount.

Button Description

Table 1-2 Button Description

Icon	Button	Function
	Power Key	<ul style="list-style-type: none"> ● Press: Standby mode/Wake up device. ● Hold: Power on/off.
	Capture Key	<ul style="list-style-type: none"> ● Press: Capture snapshots. ● Hold: Start/Stop recording videos.
	Laser Key	<ul style="list-style-type: none"> ● Press: Turn on laser ranging. ● Double-Press: Turn off laser ranging. ● Hold: Correct non-uniformity of display (Flat Field Calibration, FFC).
	Wheel	<p>Non-Menu Mode:</p> <ul style="list-style-type: none"> ● Press: Switch palettes. ● Hold: Enter the menu. <p>Menu Mode:</p> <ul style="list-style-type: none"> ● Press: Confirm/Set parameters. ● Hold: Save and exit menu. ● Rotate: Move up/move down.
	Capture + Laser	Hold to lock/unlock the wheel.



Note

- The power indicator stays solid red when the device is on.
 - Rotate the digital zoom ring up to 120°. Do not force it beyond the position limit, as this may cause device damage.
 - When the auto screen off function is enabled, if you press  to enter standby mode, you can also tilt or rotate the device to wake up the device. Refer to **Auto Screen Off** for detailed operation.
 - When the wheel is locked/unlocked, the icon  /  will be displayed.
 - When the wheel is locked, the menu key  and the wheel are unavailable.
-

2 Preparation

2.1 Cable Connection

Connect the device and power adapter with a Type-C cable to power on the device. Alternatively, connect the device and PC to export files.

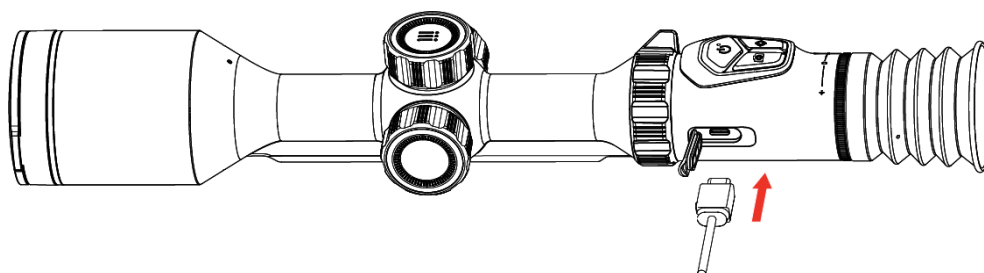


Figure 2-1 Cable Connection



Note

- Charge the device for more than 6.5 hours before first use.
 - Only the built-in battery will be charged via the type-C cable. Use the battery charger to charge the external battery.
 - The priority for power supply is given to the external battery first, followed by the built-in battery.
 -  on the top of the battery icon  on the screen means the device is currently powered by the built-in battery/external battery.
-

2.2 Install Battery

2.2.1 Battery Instruction

- Remove the external battery if the device is not used for a long time.
- The external rechargeable battery type is 18650, and the battery size is 19 mm × 70 mm. The rated voltage is 3.6 V, and the battery capacity is 3200 mAh.
- The built-in battery type is rechargeable lithium-ion battery, and the battery size is 23 mm × 67 mm. The rated voltage is 3.6 V, and the battery capacity is 3350 mAh.

2.2.2 Battery Installation

Insert the battery into the battery compartment.

Steps

1. Turn the battery cover counterclockwise to loosen it.

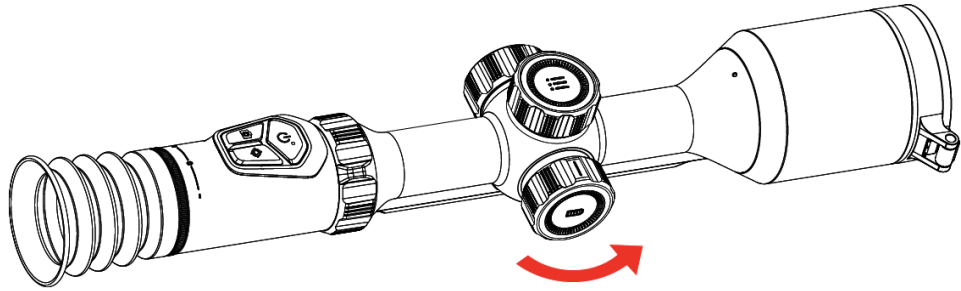


Figure 2-2 Loosen the Cover

2. Insert the battery into the battery compartment with the positive mark inward.

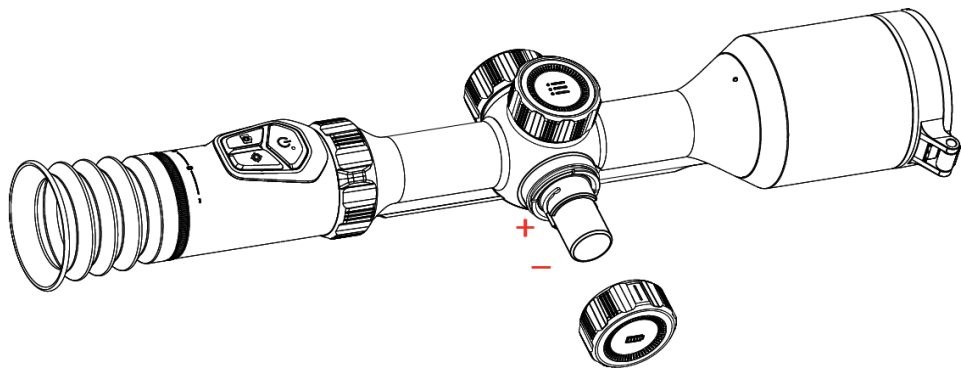


Figure 2-3 Insert the Battery

3. Turn the battery cover clockwise to tighten it.

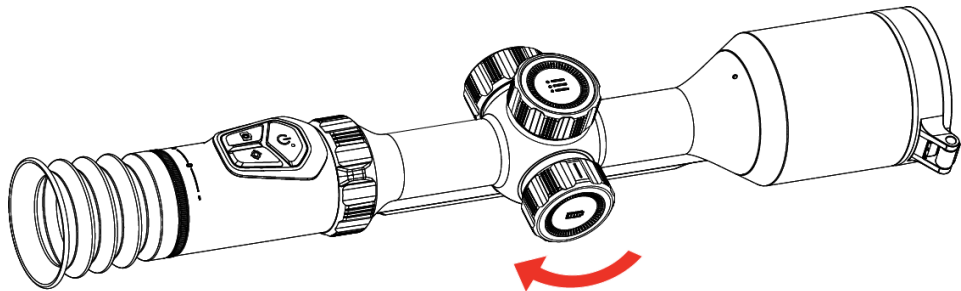


Figure 2-4 Tighten the Cover

2.3 Mount Device

2.3.1 Installation for Rail-Mounted Model

Steps:

1. Put three slider nuts into the rail and attach the quick detach saddle-mount on the rail. Align the three slider nuts with the holes on the quick detach saddle-mount.

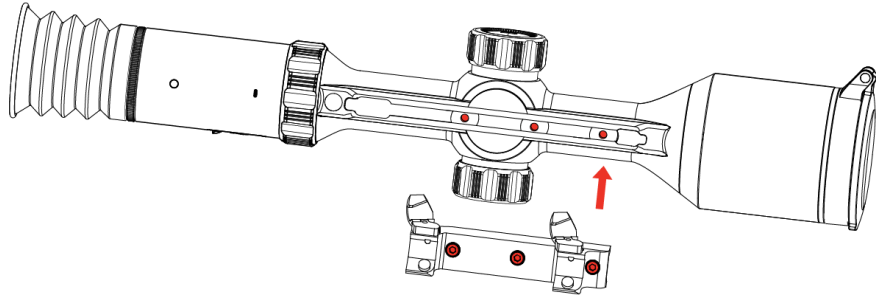


Figure 2-5 Align the Nuts with the Holes

2. Install the quick detach saddle-mount onto the rail by fastening screws through the holes.

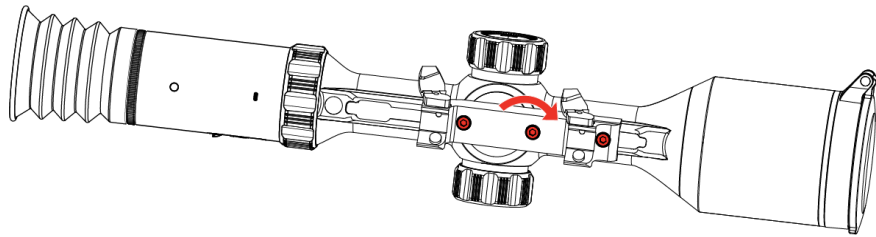


Figure 2-6 Fasten the Screws

3. Set the quick detach saddle-mount into the four recesses on the tube.

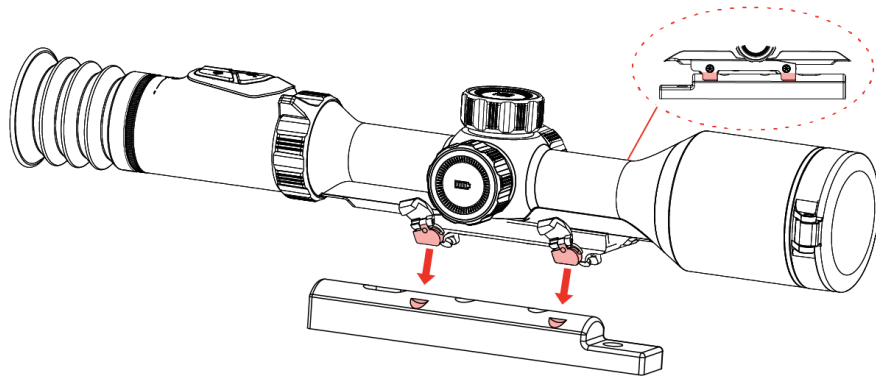


Figure 2-7 Set the Saddle-mount

4. Rotate both locking levers until they are seated into the recesses.

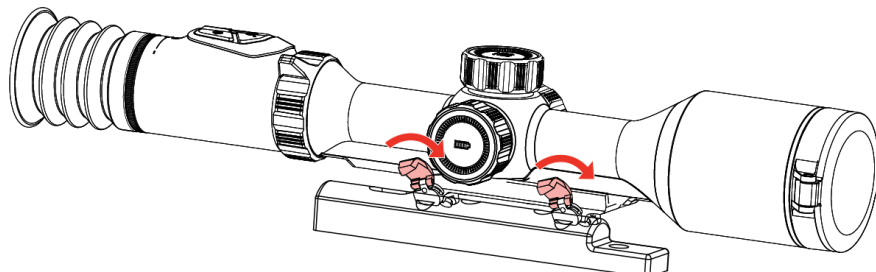


Figure 2-8 Rotate the Levers

5. Lock the levers to secure the device to the tube.

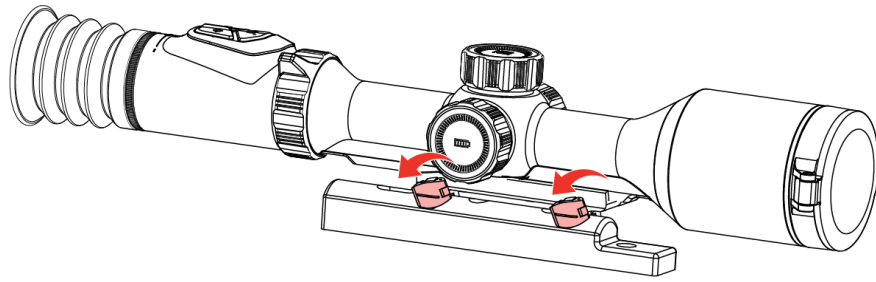


Figure 2-9 Lock the Levers

2.3.2 Quick Installation for Mounting-Ring Model

Steps

1. Unscrew the ring top with an Allen wrench.

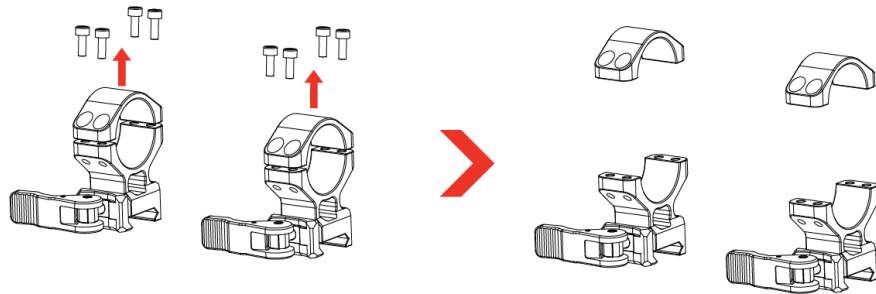


Figure 2-10 Unscrew the Ring Top

2. Place the device in the bottom half of the ring, and align the top holes with bottom holes.

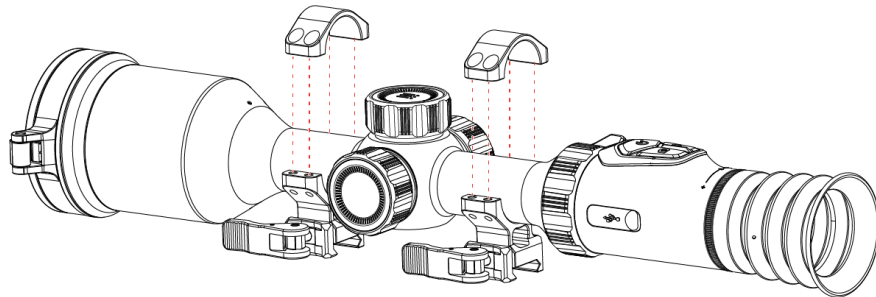


Figure 2-11 Place the Device in the Ring

3. Insert and tighten the screws.

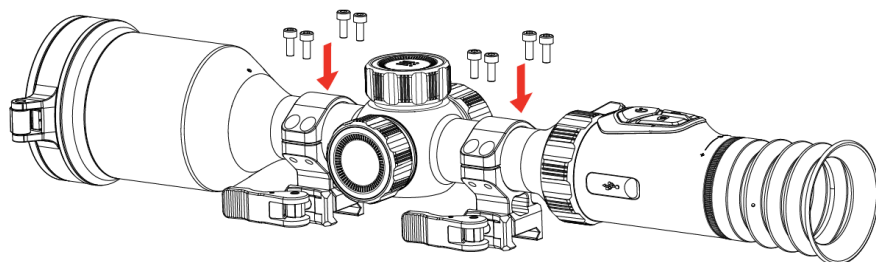


Figure 2-12 Tighten the Screws

4. Attach the base on the rail.

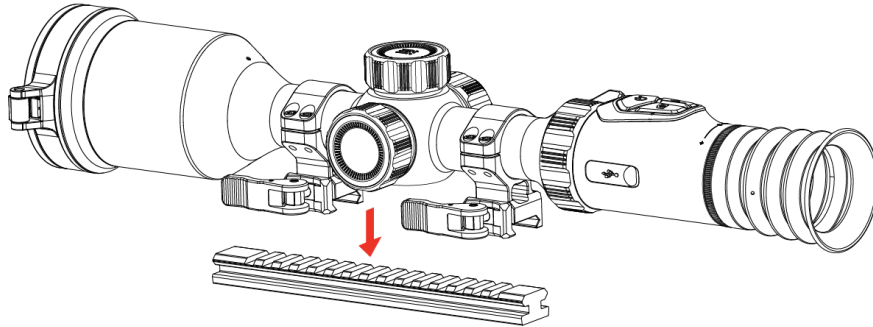


Figure 2-13 Attach the Base on the Rail

5. Lock the levers inward until stopped. Make sure the device stays level.

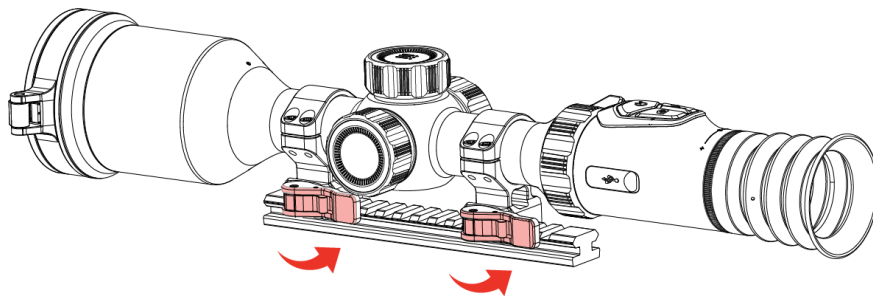


Figure 2-14 Lock the Levers

2.3.3

Regular Installation for Mounting-Ring Model

1. Unscrew the ring top with an Allen wrench.

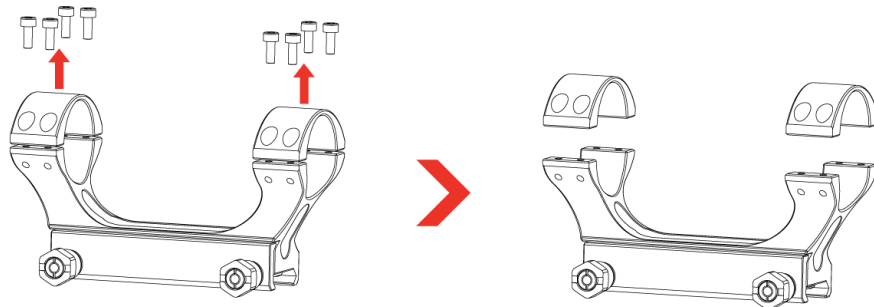


Figure 2-15 Unscrew the Ring Top

2. Place the device in the bottom half of the ring, and align the top holes with bottom holes.

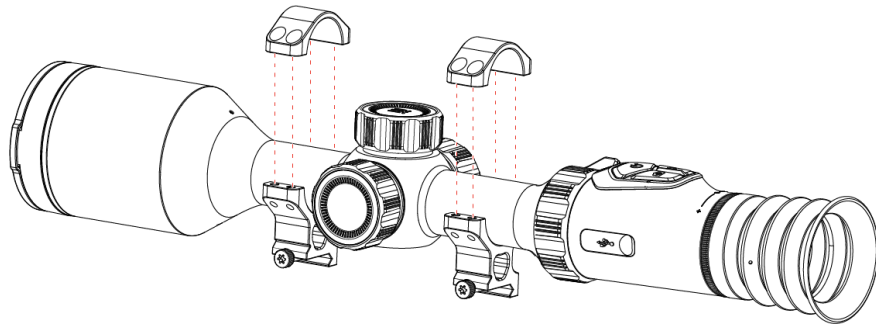


Figure 2-16 Place the Device in the Ring

3. Insert and tighten the screws.

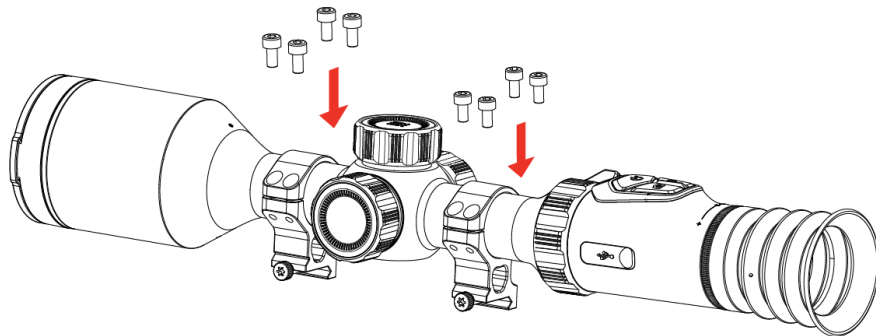


Figure 2-17 Tighten the Screws

4. Loosen the screws on the bottom half of the ring.

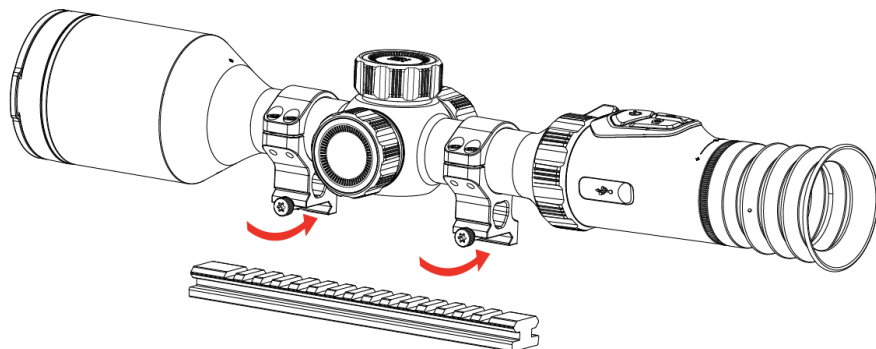


Figure 2-18 Loosen the Screws

5. Attach the bottom half of the ring to the rail, and tighten the screws on the ring. Make sure the device stays level.

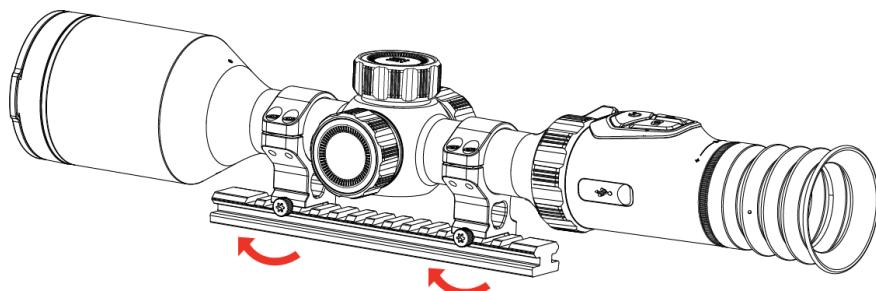


Figure 2-19 Tighten the Screws



Note

- The ring needs to be purchased separately. Please take the actual product for reference.
 - The recommended torque value of tightening the ring cap screws is 1.2-1.5 N·m, and may be adjusted based on actual conditions and practical experience.
 - Scope Protective Sticker can be used to protect the device surface.
 - Use lint-free cloth to clean the device base and the rail.
-

2.4 Power On/Off

Power On

When the device is connected to a power adapter or the battery power is sufficient, hold  to power on the device.

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 key to interrupt the countdown and cancel the power-off.
 - Automatic low battery power-off cannot be canceled.
-

Auto Power Off

You can set the auto power off time for your device.

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**.
3. Rotate the wheel to select , and press the wheel to enter the configuration interface.
4. Rotate the wheel to select the auto power off time as needed, and press the wheel to confirm.

5. Hold the wheel to save and exit.



Note

- See the battery icon for the battery status.  means the battery is fully charged,  /  means that the battery is low,  means the battery charging is abnormal, and  /  means the battery is not installed or out of power.
 - When the low power note shows, charge the battery.
 - The auto power off takes effect only when the device isn't in operation or connected with HIKMICRO Sight app.
 - The auto power off countdown will start again when the device reenters standby mode, or the device is restarted.
-

2.5 Auto Screen Off

Auto screen off function darkens the screen to save energy and extend battery life.

Steps

1. Enable auto screen off.
 - 1) Hold the wheel to show the menu.
 - 2) Go to  **Advanced Settings**, and rotate the wheel to select .
 - 3) Press the wheel to enable auto screen off.
 - 4) Hold the wheel to save settings and exit.
2. The device will enter standby mode under one of the following operations when the display is turned on:
 - Tilt the device downwards more than 70°.
 - Rotate the device horizontally more than 45°.
 - Keep the device still and do not move it for 5 minutes.
3. You can wake up the device by one of the following operations when the display is turned off:
 - Tilt the device downwards from 0° to 60° or upwards.
 - Rotate the device horizontally from 0° to 40°.
 - Press  to wake up the device.

2.6 Menu Description

In the live view interface, hold the wheel to show the menu.



Figure 2-20 Device Menu

2.7 App Connection

Connect the device to the HIKMICRO Sight app via hotspot, then you can capture picture, record video, or configure parameters on your phone.

Before You Start

Confirm **Remote Access** is enabled on the device. Hold the wheel to enter the menu, and go to **Advanced Settings > Remote Access**.

Steps

1. Search for HIKMICRO Sight on App Store (iOS System) or Google Play™ (Android System) to download it, or scan the QR code to download and install the app.



Android System



iOS System

2. Hold the wheel to show the menu.
3. Go to  **Advanced Settings**, and rotate the wheel to select .
4. Press the wheel to enter the setting interface.
5. Rotate the wheel to select **Hotspot_5G** or **Hotspot_2.4G**, and then the hotspot of 5 GHz or 2.4 GHz is enabled.
 - Use 2.4 GHz if your smartphone does not support 5 GHz.
 - 5 GHz is recommended for small-range scenarios within 5 m, such as mounting device on the vehicle. Otherwise, use 2.4 GHz.
6. Turn on the WLAN of your phone and connect to the hotspot.
 - Hotspot Name: HIKMICRO_Serial No.
 - Hotspot Password: Go to **Hotspot** in the menu to check the password.
7. Open the app, and confirm the connection PIN code on the device to connect your phone with the device. You can view the interface of device on your phone.



Note

- When the device is connected to your phone, you can change the hotspot password via the HIKMICRO Sight app.
 - The hotspot will be turned off if there is no connection for over 10 minutes.
 - The hotspot password will be updated when you reset the device (refer to **Reset Device**). In this case, you need to reconnect to the device hotspot.
-

2.8 Firmware Status

2.8.1 Check Firmware Status

Steps

1. Open HIKMICRO Sight and connect your device to the app.

2. Check if there is an upgrade prompt on the device management interface. If there is no upgrade prompt, the firmware is the latest version. Otherwise, the firmware is not the latest version.

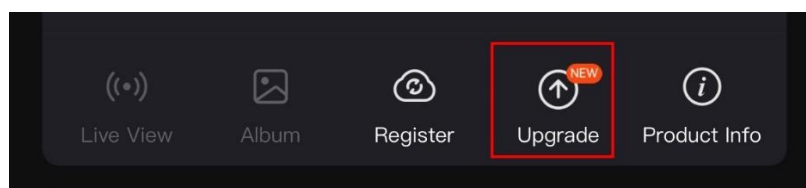


Figure 2-21 Check Firmware Status

3. (Optional) If the firmware is not the latest version, upgrade the device.
See **Upgrade Device**.

2.8.2 Upgrade Device

Upgrade Device via HIKMICRO Sight

Steps

1. Open HIKMICRO Sight and connect your device to the app.
2. Tap the upgrade prompt to enter the firmware upgrade interface.
3. Tap **Upgrade** to start upgrade.



Note

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

Upgrade Device via PC

Before You Start

Please get the upgrade package first.

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select .
3. Press the wheel to enter the configuration interface.
4. Rotate the wheel to select **USB Flash Drive**.
5. Connect the device to your PC with the type-C cable.
6. Open the detected disk, copy the upgrade file and paste it to the root directory of the device.

7. Disconnect the device from your PC.
8. Reboot the device, and the device upgrades automatically. The upgrading process will be displayed in the main interface.



Caution

During the upgrade package transmission, make sure the device is connected to your PC. Otherwise, it may cause unnecessary upgrade failure, firmware damage, etc.

2.9 Zeroing (Overview)

You can enable the reticle to view the position of the target. Functions such as freeze and zoom help to adjust the reticle more accurately. See **Zeroing** for detailed instructions.

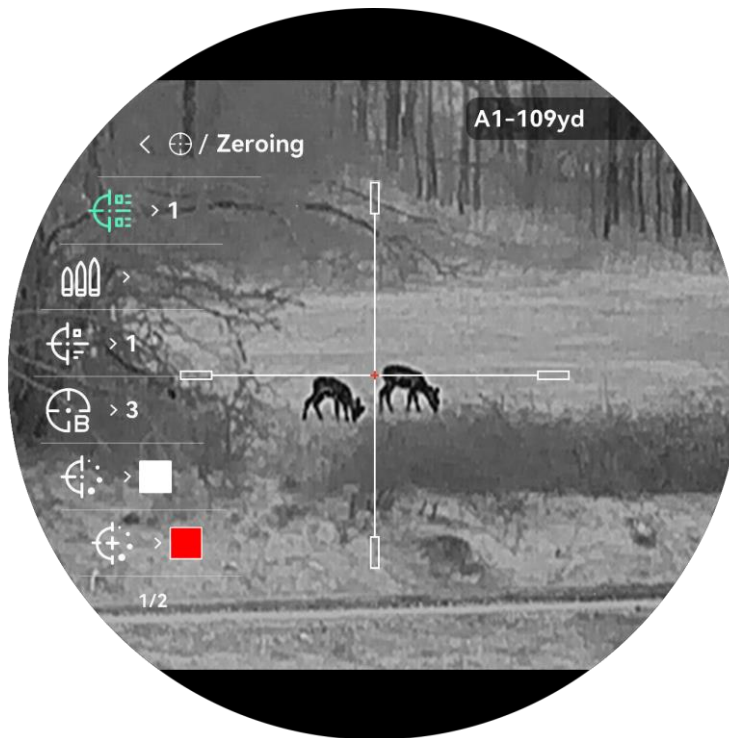




Figure 2-22 Zeroing

3 Image Settings

3.1 Adjust Diopter

Steps

1. Power on the device.
2. Open the lens cover.
3. Hold the device and make sure the eyepiece covers your eye.
4. Adjust the diopter adjustment ring until the OSD information or image is clear.

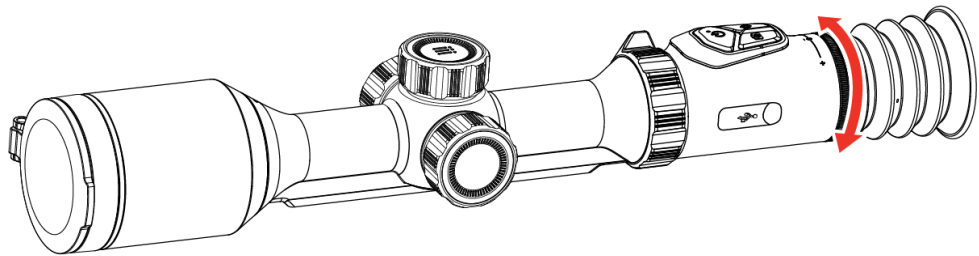


Figure 3-1 Adjust Diopter



Note

When adjusting diopter, DO NOT touch the surface of lens to avoid smearing the lens.

3.2 Adjust Focus

Steps

1. Power on the device.
2. Hold the device and make sure the eyepiece covers your eye.
3. Adjust the focus wheel until the image is clear.

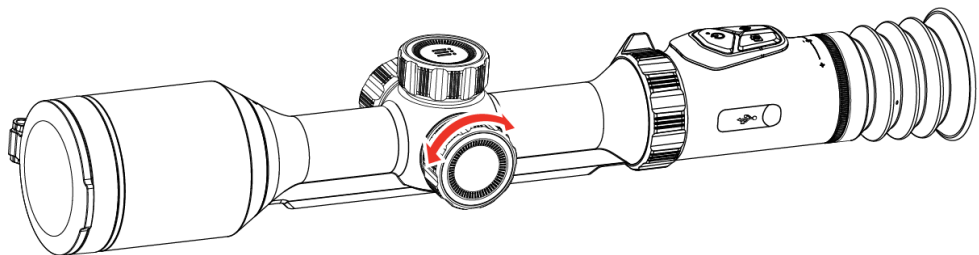


Figure 3-2 Adjust Focus



Note

When focusing, do not touch the surface of lens to avoid smearing the lens.

3.3 Adjust Brightness

You can adjust the display brightness of the screen in the menu.

Steps

1. Hold the wheel to show the menu.
2. Rotate the wheel to select  and press the wheel to confirm.
3. Rotate the wheel to switch brightness adjustment mode. **Auto** and **Manual** are selectable.
 - **Auto**: Adjust the brightness automatically according to ambient brightness.
 - **Manual**: Adjust the brightness manually. Press the wheel and rotate the wheel to adjust brightness.
4. Hold the wheel to save the settings and exit.

3.4 Adjust Contrast

Steps

1. Hold the wheel to show the menu.
2. Rotate the wheel to select  and press the wheel to confirm.
3. Rotate the wheel to adjust contrast.
4. Hold the wheel to save the settings and exit.

3.5 Adjust Tone

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, rotate the wheel to select  and press the wheel to confirm.
3. Rotate the wheel to select a tone. **Warm** and **Cold** can be selected.
4. Hold the wheel to save and exit.



Figure 3-3 Warm Tone



Figure 3-4 Cold Tone

3.6 Adjust Sharpness

Steps

1. Hold the wheel to show the menu.

2. Go to  **Advanced Settings**, rotate the wheel to select  and press the wheel to confirm.
3. Rotate the wheel to adjust sharpness.
4. Hold the wheel to save settings and exit.



Figure 3-5 Sharpness 1



Figure 3-6 Sharpness 5

3.7 Set Palettes

You can select different palettes to display the same scene in different effects.

3.7.1 Custom Enabled Palettes

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, rotate the wheel to select  and press the wheel to confirm.
3. Rotate the wheel to select the palettes you need, and press the wheel to enable them.



Note

At least one palette should be enabled.

4. Hold the wheel to save the settings and exit.

3.7.2 Switch Palettes

Press the wheel in live view interface to switch the selected palettes.

White Hot

The hot part is light-colored in view. The higher the temperature is, the lighter the color is.



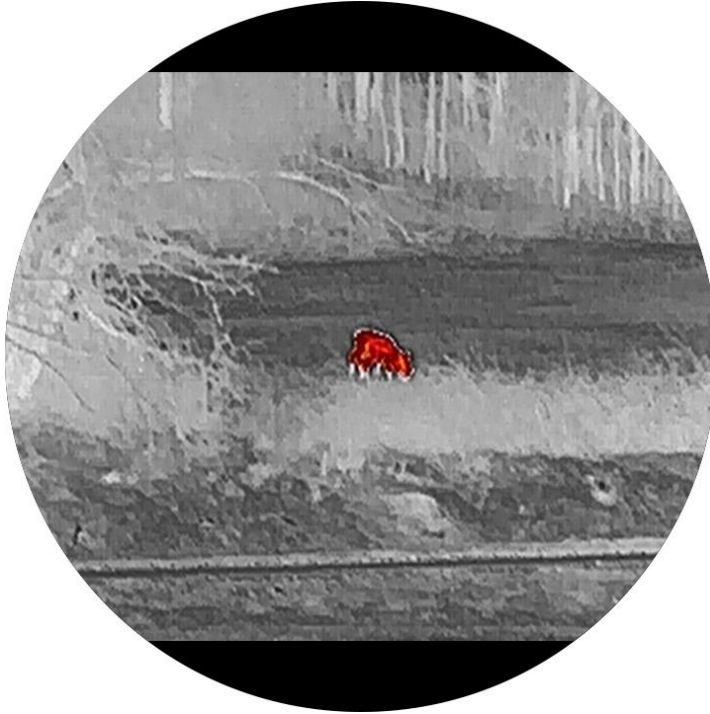
Black Hot

The hot part is black-colored in view. The higher the temperature is, the darker the color is.



Red Hot

The hot part is red-colored in view. The higher the temperature is, the redder the color is.



Fusion

From high temperature to low temperature, the image is colored in from white, yellow, red, pink to purple.



Red Monochrome

The whole image is red colored. The higher the temperature is, the lighter the color is.



Green Monochrome

The whole image is green colored. The higher the temperature is, the lighter the color is.



3.8 Adjust Digital Zoom

In the live view interface, rotate the digital zoom ring to adjust the digital zoom ratio.



Note

- When switching the digital zoom ratio, the left interface displays the actual magnification.
 - The zoom ratio may vary according to different models. Please take the actual product for reference.
 - Rotate the digital zoom ring up to 120°. Do not force it beyond the position limit, as this may cause device damage.
-

3.9 Flat Field Correction

This function can correct non-uniformity of display. The device performs the correction automatically when necessary, or you can hold  in the live view to perform the correction manually.

3.10 Correct Defective Pixel

The device can correct the defective pixels on the screen.

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, rotate the wheel to select  **DPC** and press the wheel to confirm.
3. Press the wheel to select the **X** or **Y** axis. Then rotate the wheel to set the coordinates until the cursor reaches the dead pixel.
4. Press the wheel twice to correct the dead pixel.
5. Hold the wheel to save and exit.



Note

- If you select X axis, the cursor moves left and right; if you select Y axis, the cursor moves up and down.
 - The selected defective pixel can be magnified to view it more easily.
 - If the screen OSD blocks the defective pixel, move the cursor to reach the pixel and the device will perform mirror display automatically.
-

3.11 Set Picture in Picture Mode

Steps

1. Hold the wheel to show the menu.
2. Rotate the wheel to select  and press the wheel to enable it. The details are shown in the upper center of the interface.
3. Hold the wheel to exit.

When the PIP is enabled, the PIP view center follows the priority below: ballistic calculation recommended aiming point > reticle center > laser rangefinding reticle > live view center.

- When ballistic calculation is enabled, the PIP view centers on the recommended aiming point.
- When ballistic calculation is disabled and reticle is enabled, the PIP view centers on the reticle center.
- When reticle and ballistic calculation are disabled and laser ranging is enabled, the PIP view centers on the laser rangefinding reticle.
- When reticle, ballistic calculation, and laser ranging are all disabled, the PIP view shows the center of the live view in detail.



Figure 3-7 Picture in Picture Mode



Note

- If the PIP function is enabled, only the PIP view zooms when adjusting the digital zoom ratio.
 - The zoom ratio will be temporarily displayed in the PIP view when adjusting the digital zoom.
-

3.12 Set Pitch Scale

You can enable pitch scale to view the horizontal and vertical inclination angle of the device in the live view.

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select .
3. Press the wheel to enable the pitch scale.
4. Hold the wheel to save and exit.



Figure 3-8 Pitch Scale

4 Zeroing

4.1 Set Reticle Mode

You can select a reticle mode according to your preference and different situations.

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select .
3. Press the wheel to enter the setting interface, and rotate the wheel to select a reticle mode.
 - **Central Reticle:** This mode centers around the reticle when switching the digital zoom ratio, with the reticle and zoomed image moved to the center of the display.
 - **Fixed Reticle:** This mode centers around the reticle when switching the digital zoom ratio, with the reticle position unchanged.
4. Hold the wheel to save and exit.



Note

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

4.2 Select Zeroing Profile

You can configure and save the reticle settings in zeroing profiles according to various situations.

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select .
3. Press and rotate the wheel to select a zeroing profile.
4. Hold the wheel to save and exit.



Note

There are 5 zeroing profiles in total, and you can configure 5 reticles in each zeroing profile.

4.3 Set Reticle

You can select a reticle in the current zeroing profile, and set parameters such as type, color, and position for the reticle.

Before You Start

Select a zeroing profile first.

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select  . Press the wheel to enter the setting interface.
3. Select  **Zeroing**, and press the wheel to confirm. Rotate the wheel to select a reticle No. You can select **OFF** to turn off the reticle.

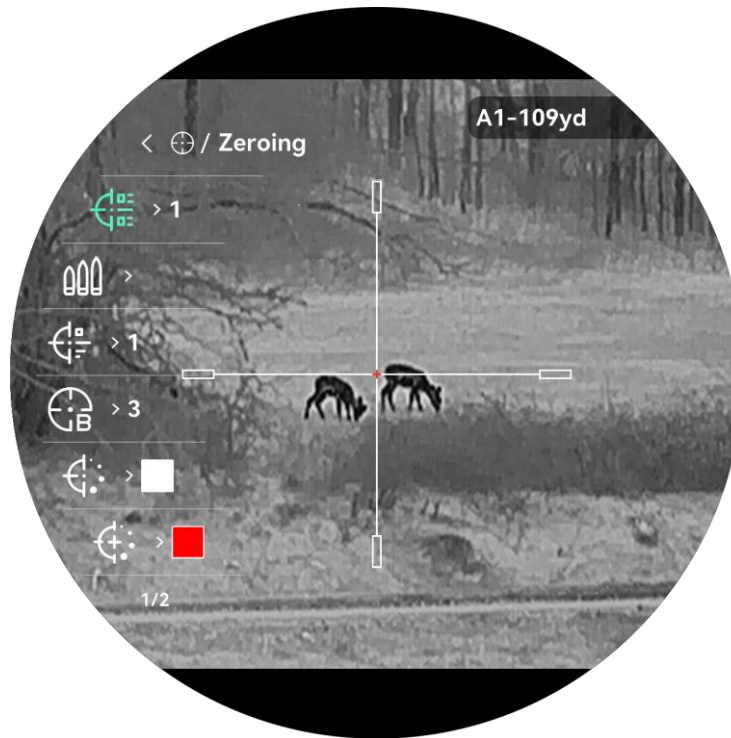


Figure 4-1 Using a Reticle



Note

The right top of the image displays the reticle information. For example, A1-109yd means you are using the No. 1 reticle in zeroing profile A, and the set distance is 109 yards.

4. Select  **Bullet**, and press the wheel to set the bullet name. Press the wheel to switch characters and rotate the wheel to set each character.
5. Select  **Type**, and press the wheel to confirm. Rotate the wheel to select the reticle type. 11 types of reticles can be selected.



Note

When you enable PIP, the detail of reticle type 11 will not be displayed in PIP view.

6. Select  **Opacity**, and press the wheel to confirm. Rotate the wheel to select the reticle opacity.
7. Select  **Reticle Color**, and press the wheel to confirm. Rotate the wheel to set the reticle color.
8. Select  **Reticle Center Color**, and press the wheel to confirm. Rotate the wheel to set the reticle center color.
9. (Optional) Repeat 3 to 8 to set other reticles in this zeroing profile.
10. Hold the wheel to save settings and exit.



Note

- 5 reticles can be configured in a zeroing profile.
 - If the PIP function is enabled, the aimed target can be magnified on the interface.
 - In black hot mode and white hot mode, if you set the reticle color as white or black, the color of the reticle will be inverted automatically to better aim at the target.
-

4.4 Correct Reticle

Correcting the reticle can help you aim at the target with high accuracy by marking the offset between the big reticle and small reticle. Functions such as **Freeze** and **Zoom** help to adjust the reticle more accurately.

4.4.1 Correct Reticle on Device

Before You Start

Select a zeroing profile first.

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select  .
Press the wheel to enter the setting interface.
3. Select  **Zeroing**, and press the wheel to confirm. Rotate the wheel to select a reticle you want to correct.
4. Select  **Correction**, and press the wheel to enter the setting interface.
5. Set the distance to the target.
 - 5) Rotate the wheel to select  **Distance**.
 - 6) Press the wheel to select the digit you want to set.
 - 7) Rotate the wheel to change the number. Hold the wheel to finish the setting.
6. Select  **Zoom**, and press the wheel to confirm. Rotate the wheel to set the digital zoom ratio.
7. Select  and press the wheel to enable/disable Recoil Sensitivity Calibration.



Note

- The device is shipped with the default recoil sensitivity, which is suitable for most scenarios.
 - If you find that the current recoil sensitivity is not suitable, please enable the Recoil Sensitivity Calibration, stay on the zeroing page, trigger an activation and wait for the device to update recoil sensitivity.
 - Please turn off Recoil Sensitivity Calibration after the operation.
-

8. Aim at the target and pull the trigger. Align the reticle with the point of impact.
 - 1) Aim the big reticle at the target.
 - 2) Select  **Freeze**. Press the wheel to enable the function. You can also select  to set the countdown time of auto freezing.
 - 3) Select  and rotate the wheel to set the coordinates until the big reticle aligns with the point of impact. Press the wheel to select

axis. If you select X, the reticle moves left and right; if you select Y, the reticle moves up and down. Hold the wheel to finish setting.



Figure 4-2 Enable Freeze



Note

When enabling the freeze function in reticle, you can adjust the position of the reticle on a frozen image. This function can prevent image flutter.

9. Hold the wheel to exit the setting interface according to the prompt.
 - **OK**: Save the parameter and exit.
 - **CANCEL**: Exit without saving the parameters.
10. Pull the trigger again to verify that the aiming point aligns with the point of impact.
11. (Optional) Repeat 3 to 10 to set the position for other reticles in this zeroing profile.

4.4.2 Correct Reticle via HIKMICRO Sight

You can also correct the reticle by HIKMICRO Sight app.

Before You Start

Install HIKMICRO Sight on your phone.

Steps

1. Open HIKMICRO Sight and connect your device to the app.
2. Tap **Product Info**, and tap **Zeroing** to enter configuration interface.
3. Set reticle to the target.
 - 1) User Group: Select a zeroing profile.
 - 2) Zero No.: Select a reticle you want to correct.
 - 3) Bullet: Enter the bullet name.
 - 4) Zero Range: Input the number to set the distance to the target.
 - 5) Zooming Ratio: Select digital zoom ratio.
 - 6) Unit: Set the unit as needed.
4. Aim at the target and pull the trigger.
5. Tap **Zero** to measure the deviation of the point of impact from the target. Input the number to adjust the position of reticle to ensure the big reticle aligns with the point of impact. Tap **Apply** to synchronize the parameters to the device.

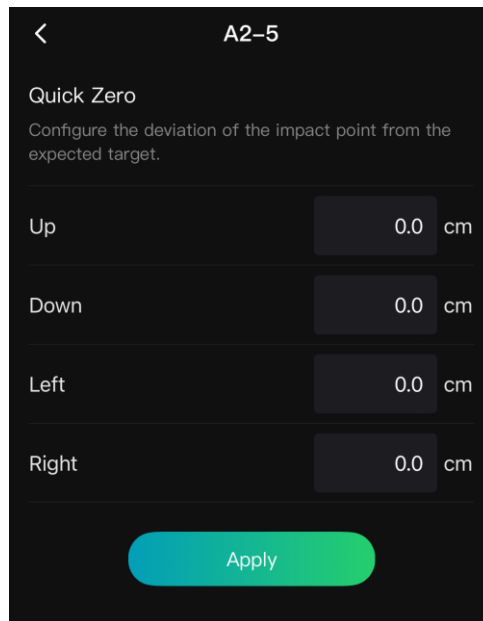


Figure 4-3 Quick Zero

6. Pull the trigger again to verify that the big reticle aligns with the point of impact.
7. Once the big reticle aligns with the point of impact, tap **Completed** to finish zeroing.

Result

The position of the reticle is saved and synchronized to your device, so you can check it on your device.



Note

- When you enter the zeroing setting interface on your app, the device will return to the live view interface automatically.
 - The zeroing operation may vary due to app updates. Please take the actual app version for reference.
-

4.5

Ballistic Calculation for Hunting

The function helps you have a better experience in various conditions. Multiple parameters are used in calculation to ensure precision and flexibility of use.

Before You Start

- Make sure the reticle is enabled.
- Make sure you have finished zeroing.

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select  . Press the wheel to enter the setting interface.
3. Rotate the wheel to select  . Press the wheel to enter the setting interface.
4. Select  **Ballistic Calculation**, and press the wheel to enable this function.
5. Select  **Aim Point Style**. Press and rotate the wheel to set the aim point style.
6. Select  **Aim Point Color**. Press and rotate the wheel to set the aim point color.
7. Select  and press the wheel to enter the parameter configuration interface. Rotate the wheel to select the following parameters, and press the wheel to set or input the data.
 - Drag Model: Set the bullet-specific drag model, e.g. G1, G7 and GS.
 - Initial Velocity: The velocity varies in different conditions.
 - Altitude: Set this to your normal altitude.
 - Temperature: Set this to your normal temperature.
 - Ballistic Coefficient: The measure of its ability to overcome air resistance.
 - Sight Height: The distance between the bore and the center of the lens.
 - Wind Direction: Set this to your normal wind direction.
 - Wind Speed: Set this to your normal wind speed.
8. Press the wheel to switch digit, and rotate the wheel to change the number.
9. Hold the wheel to save and exit.
10. Press  to turn on laser ranging, aim at the target, and press  again to measure the target distance. The screen will display the recommended aiming point and the drop distance, and windage in the interface.
11. (Optional) To adjust the distance, repeat the above steps.



Note

- The more parameters you specify, the more accurate the recommended aiming point will be.
 - The drop distance and windage are related to the input parameters. Please refer to the actual situation.
 - Continuous laser ranging is not available when enabling ballistic calculation.
 - Ballistic Calculation can also be set via HIKMICRO Sight app. Go to **Product Info -> Zeroing -> Ballistic Calculation** to set parameters. The operation may vary due to app updates. Please take the actual app version for reference.
-

5 Measure Distance

The device with an LRF module can detect the distance between the target and the observation position with laser.

Before You Start

When measuring the distance, keep the hand and the position steady. Otherwise, the accuracy may be affected.

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select  . Press the wheel to enter the setting interface.
3. Go to  to select a laser ranging mode and press the wheel to confirm. **Once** and **Continuous** are selectable.
 - **Once**: Measure the distance once.
 - **Continuous**: Measure the distance continuously, and the measurement duration can be selected. The measurement result will be refreshed every second.
4. (Optional) Select  and press the wheel to enable/disable the THD display. When enabled, the THD (True Horizontal Distance) to the target will be displayed when performing laser ranging.
5. You can set  **Rangefinding Reticle Style** or  **Rangefinding Reticle Color** according to your necessity. Press  to confirm and rotate the wheel to select the rangefinding reticle style or rangefinding reticle color.
6. Hold the wheel to return to the live view interface.
7. Press  to turn on laser ranging, aim at the target, and press  again to measure the target distance.



Note

- Double-press  to turn off laser ranging.
 - Laser ranging cannot be enabled when device battery is low.
-

- Laser ranging mode cannot be set when enabling Ballistic Calculation, and continuous laser ranging is not available.
 - When Continuous laser ranging is in use, it will be switched to Once after enabling Ballistic Calculation. When Ballistic Calculation is turned off, the laser ranging mode will be reverted to Continuous.
-

Result

The distance measurement result is displayed on the image.



Figure 5-1 Distance Measurement Result

- When THD is enabled, the straight-line distance is displayed first, followed by the THD. As shown in the figure above, **215 yd** is the straight-line distance and **200 yd** is the THD.
 - The ranging result will be displayed as "000" if laser ranging fails.
-



Caution

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 that no human or inflammable substances are in front of the laser lens, and that the laser lens is not obstructed.

6 General Settings

6.1 Set OSD

This function can display or hide the OSD information on the live view interface.

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select .
3. Press the wheel to enter OSD setting interface.
4. Rotate the wheel to select the **Time, Date, Zoom Ratio** or **Battery** and press the wheel to turn on or turn off the selected OSD information.
5. Hold the wheel to save and exit.



Note

If you turn off **OSD**, all OSD information on the live view will not be displayed.

6.1.1 Set Pure Recording Mode

On the OSD settings interface, hold  and  to enable/disable **Pure Recording Mode**.

In this mode, the OSD information of recording will not be displayed when video recording is in progress (including recoil-activated prerecording video), even **OSD** is enabled.

6.2 Set Brand Logo

You can add brand logo to the live view interface, snapshots, and videos.

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select .
3. Press the wheel to enable **Brand Logo**.
4. Hold the wheel to save the settings and exit.

Result

The brand logo is displayed at the bottom left of the image.



Figure 6-1 Brand Logo Display

6.3 Burning Prevention

Avoid direct sunlight and enable the burning prevention function to reduce the risk of sensor damage from the heat.

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select .
3. Press the wheel to enable or disable the **Burn-Prevention** function.
4. Hold the wheel to save the settings and exit.

6.4 Capture and Video

6.4.1 Capture Picture

In the live view interface, press  to capture picture.



Note

- When capturing succeeds, the image freezes for a second and a prompt shows on the display.
 - For exporting pictures, refer to **Export Files**.
-

6.4.2 Set Audio

If you turn on the audio function, the sound will be recorded with the video. When there is too loud noise in the video, you can turn off this function.

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select .
3. Press the wheel to enable or disable this function.
4. Hold the wheel to save settings and exit.

6.4.3 Record Video

Steps

1. In the live view interface, hold  to start recording.



Figure 6-2 Start Recording

The recording time is displayed on the top.

2. Hold  again to stop recording.

6.4.4 Prerecord Video

After you enable this function and select the prerecording time, the device can automatically start recording the 5, 10 or 15 seconds before the recoil-activation and end recording the 5, 10, 15 or 25 seconds after the recoil-activation.

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select .
3. Press the wheel to enter the setting interface. Rotate the wheel to switch the prerecording time. 5+5s, 10+10s, 15+15s and 15+25s are selectable. You can also select **OFF** to turn off the function.
4. Hold the wheel to save settings and exit.

6.4.5 Local Album

Captured images and recorded videos are automatically stored in the device, and you can view the files in local albums.

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select .



Note

The albums are automatically created and named by year + month. The local pictures and videos of a certain month are stored in the corresponding album. For example, the pictures and videos of October in 2026 are saved in the album named 202610.

3. Rotate the wheel to select an album and press the wheel to enter it.
4. Rotate the wheel to select a file to view.
5. Press the wheel to view the selected file and relevant information.



Note

- Files are arranged in chronological order, with the most recent at the top. If you fail to find the most recently taken snapshots or videos, please check the time and date settings of your device. When you view files, you can switch to other files by rotating the wheel.
 - When you view files, you can press  to turn to next page, and press  to go back to previous page.
 - When you view videos, you can press the wheel to play or stop the video.
 - For deleting an album or a file, you can press  +  to call the dialogue box, and delete the album or file according to the prompt.
-

6.5 Export Files

6.5.1 Export Files via HIKMICRO Sight

You can access device albums and export files to your phone via HIKMICRO Sight.

Before You Start

Install HIKMICRO Sight on your mobile phone.

Steps

1. Open HIKMICRO Sight and connect your device to the app. See **App Connection**.
2. Tap **Media** to access device albums.

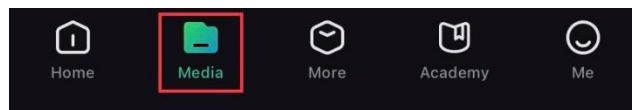


Figure 6-3 Access Device Albums

3. Tap **Local** or **Device** to view the photos and videos.
 - **Local**: You can view the files captured on app.
 - **Device**: You can view the files of the current device.



Note

The photos or videos may not show in **Device**. Please pull down to refresh the page.

4. Tap to select a file, and tap **Download** to export the file to your local phone albums.



Figure 6-4 Export Files



Note

- Go to **Me -> About -> User Manual** on the app to see more detailed operations.
 - You can also access device albums by tapping bottom left icon in the live view interface.
 - The exporting operation may vary due to app updates. Please take the actual app version for reference.
-

6.5.2 Export Files via PC

This function is used to export recorded videos and captured pictures.

Before You Start

Make sure the device is turned on when connecting the cable.

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select .
3. Press the wheel to enter the configuration interface.
4. Rotate the wheel to select **USB Flash Drive**.
5. Connect the device and PC with the Type-C cable.



Note

Make sure the device is turned on when connecting the cable.

6. Open computer disk and select the disk of device. Go to the DCIM folder and find the folder named after the capture year and month. For example, if you capture a picture or record a video on October 2026, go to **DCIM -> 202610** to find the picture or video.
7. Select and copy the files to PC.
8. Disconnect the device from your PC.



Note

- The device displays images when you connect it to PC. But functions such as recording and capturing are disabled.
 - When you connect the device to PC for the first time, it installs the drive program automatically.
-

6.6 Direction Display

6.6.1 Switch on Compass

Equipped with a compass, the device can display its direction on the live image, captured images, and recorded videos.

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select .
3. Press the wheel to enable the function.
4. Follow the pop-up instructions to calibrate the compass. See **Calibrate Compass** for more information.

Result

After successful calibration, you can see the azimuth (AZM) angle and elevation (EL) angle displayed on the screen. It is recommended to read the information when you lay the device horizontally.

To increase the direction accuracy, you can set the magnetic declination correction. See **Magnetic Declination Correction** for instructions.

6.6.2 Calibrate Compass

Compass calibration is a must for correction direction display. You need to calibrate the compass when you enable the function for the first time, or when the compass is magnetically interfered.



Figure 6-5 Compass Interference

Steps

1. Call the calibration guide by the following ways.
 - When you enable compass for the first time, the compass calibration guide pops up.
 - When the compass information appears in red, select  in the menu and press the wheel to restart calibrating compass.
2. Follow the screen instructions to move and rotate the device.



Figure 6-6 Calibrate Compass



Note

- During calibration, keep moving and rotating the device to make sure that the device faces every possible direction.
- **Level** indicates the validity of calibration. Higher level means more accurate compass reading. Calibration succeeds when **Level** turns to **3**.

-
3. Stop moving the device when calibration guide disappears.

Result

The direction information is displayed on the live view interface.



Figure 6-7 Direction Display

6.6.3 Magnetic Declination Correction

Magnetic declination is the angle variation between magnetic north and true north. Adding the magnetic declination to the compass increases the accuracy of direction reading.

Steps

1. After the compass is calibrated, go to the compass setting interface, and to rotate the wheel to select **Magnetic Declination**.
2. Press the wheel to enter the setting interface, and rotate the wheel to select **Quick Correction** or **Manual Correction**.
 - In quick correction, the device displays the current declination to magnetic north. Point screen center to true north and press the wheel to confirm.
 - In manual correction, press the wheel to select the operational symbol or number, and rotate the wheel to add or subtract the declination of device location.

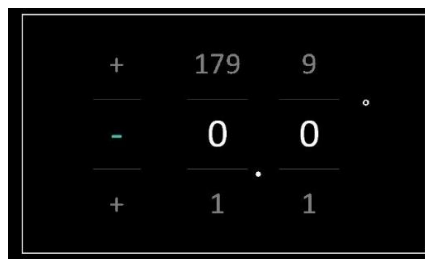


Figure 6-8 Manual Correction

3. Hold the wheel to save and exit.



Note

It is recommended to check the local magnetic declination information on the authorized website before manually correcting the magnetic declination. The eastern magnetic declination is indicated with a positive mark (+), and the western declination is indicated with a negative mark (-).

6.7 Geographic Location Display

Equipped with satellite positioning modules, the device displays the longitude and latitude of the device on the live image, captured images, and recorded videos.

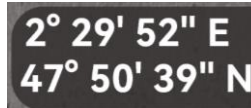


Note

- The satellite module is unable to receive signals when the device is indoor. Place the device in an empty outdoor space to receive signals.
 - In the outdoors, wait for a moment for the device to display its location.
-

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and press $\triangle$ or ∇ to select .
3. Press the wheel to enable GPS. You can see the location displayed at the lower right corner of the screen.



2° 29' 52" E
47° 50' 39" N

Figure 6-9 Device Location Display

If the location information displays the information "Weak Signal", it indicates the signal is weak or no signal. Please move to the open outdoor space to try again.

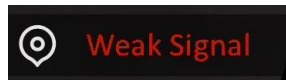


Figure 6-10 Weak Signal

7 System Settings

7.1 Adjust Date

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select .
3. Press the wheel to enter the configuration interface.
4. Press the wheel to select the year, month, or day, and rotate the wheel to change the number.
5. Hold the wheel to save settings and exit.

7.2 Synchronize Time

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select .
3. Press the wheel to enter the configuration interface.
4. Rotate the wheel to switch the clock system. 24-hour and 12-hour clock are selectable. If you select 12-hour clock, press the wheel, and then rotate the wheel to select **AM** or **PM**.
5. Press the wheel to select the hour or minute, and rotate the wheel to change the number.
6. Hold the wheel to save settings and exit.

7.3 Set Language

You can select the device language in this function.

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select .
3. Press the wheel to enter the configuration interface.

4. Rotate the wheel to select the language as needed, and press the wheel to confirm.
5. Hold the wheel to save settings and exit.

7.4 Set Unit

You can switch the unit for distance measurement.

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select .
3. Press the wheel to enter the configuration interface.
4. Rotate the wheel to select the unit as needed.
5. Hold the wheel to save settings and exit.

7.5 Cast Device Screen to PC

The device supports casting screen to PC via a UVC protocol-based streaming media player. You can view the device image on the PC display for details.

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select .
3. Press the wheel to enter the configuration interface.
4. Rotate the wheel to select **Digital**.
5. Hold the wheel to save the settings and exit.
6. Open the UVC protocol-based player, and connect your device to the PC via the type-C cable.

7.6 Set Screen Lock Passcode

You can set a passcode to lock the device screen to avoid unauthorized access to the device.

7.6.1 Enable Passcode

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select .
3. Press the wheel to enable this function and enter the configuration interface.
4. Press the wheel to switch digit, and rotate the wheel to change the number.
5. Hold the wheel to save settings and exit.

Result

When passcode is enabled, you need to enter the passcode when the device is powered on or woken up from standby mode. Press the wheel to switch digit, rotate the wheel to change the number, and hold the wheel to confirm.



Note

If you forget the passcode, you can hold  to reset it on the lock screen. This operation requires a factory reset to the device.

7.6.2 Change Passcode

You can change the passcode as needed when it is enabled.

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select .
3. Press the wheel and select . Press the wheel again to enter the configuration interface.
4. Press the wheel to switch digit, and rotate the wheel to change the number.
5. Hold the wheel to save settings and exit.

7.7 View Device Information

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select .
3. Press the wheel to confirm. You can view the device information such as version, serial No., and available storage space.
4. Hold the wheel to exit.

7.7.1 Set Simple Menu Mode

Fonts and icons are enlarged in Simple Menu Mode for easier recognition.

- When the device information is displayed, hold the wheel and  to enter the settings of Simple Menu Mode.
- Select **Custom Simple Menu** to set the menu items to be displayed in Simple Menu Mode.
- When in Simple Menu Mode, hold the wheel and  on the device information interface to exit it.

7.8 Restore Device

This function only restores the device basic settings, such as brightness, contrast, PIP, and selected zeroing profile to their defaults. While zeroing and ballistic calculation parameters and local album data will not be restored.

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select .
3. Press the wheel to restore the device to defaults according to the prompt.

7.9 Reset Device

This function erases all content and settings, including basic settings, storage, passcode, hotspot password, and zeroing.

Steps

1. Hold the wheel to show the menu.
2. Go to  **Advanced Settings**, and rotate the wheel to select  .
3. Press the wheel to restore the device to defaults according to the prompt.

8 Frequently Asked Questions

8.1 Why is the monitor off?

- Check whether the device is off-battery, in standby mode or **Auto Power Off** is enabled.
- Check the monitor after charging the device for 5 minutes.

8.2 The image is not clear, how to adjust it?

Adjust the diopter adjustment ring or focus wheel until the image is clear. Refer to ***Adjust Diopter*** or ***Adjust Focus***.

8.3 Capturing or recording fails. What's the problem?

Check the following items.

- Whether the device is connected to your PC. Capturing or recording is disabled in this status.
- Whether the storage space is full.
- Whether the device is low-battery.

8.4 Why the PC cannot identify the device?

Check the following items.

- Whether the USB connection mode is **USB Flash Drive**.
- Whether the device is connected to your PC with supplied USB cable.
- If you use other USB cables, make sure the cable length is no longer than 1 m.

Legal Information

©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.

Trademarks Acknowledgement

 **HIKMICRO** and other HIKMICRO's trademarks and logos are the properties of HIKMICRO in various jurisdictions.

Other trademarks and logos mentioned are the properties of their respective owners.

Open Source Software Declaration

This product cannot be launched without the contribution of open source software. We respect the Intellectual Property of others, have established and will continue to improve our open source compliance system. You can contact us to get this product's Open Source Software Declaration and Copyleft Source Code.

LEGAL DISCLAIMER

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THIS MANUAL AND THE PRODUCT DESCRIBED, WITH ITS HARDWARE, SOFTWARE AND FIRMWARE, ARE PROVIDED "AS IS" AND "WITH ALL FAULTS AND ERRORS". HIKMICRO MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY, SATISFACTORY QUALITY, OR FITNESS FOR A PARTICULAR PURPOSE. THE USE OF THE PRODUCT BY YOU IS AT YOUR OWN RISK. IN NO EVENT WILL HIKMICRO BE LIABLE TO YOU FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR INDIRECT DAMAGES, INCLUDING, AMONG OTHERS, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, OR LOSS OF DATA, CORRUPTION OF

SYSTEMS, OR LOSS OF DOCUMENTATION, WHETHER BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY, OR OTHERWISE, IN CONNECTION WITH THE USE OF THE PRODUCT, EVEN IF HIKMICRO HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR LOSS.

YOU ACKNOWLEDGE THAT THE NATURE OF THE INTERNET PROVIDES FOR INHERENT SECURITY RISKS, AND HIKMICRO SHALL NOT TAKE ANY RESPONSIBILITIES FOR ABNORMAL OPERATION, PRIVACY LEAKAGE OR OTHER DAMAGES RESULTING FROM CYBER-ATTACK, HACKER ATTACK, VIRUS INFECTION, OR OTHER INTERNET SECURITY RISKS; HOWEVER, HIKMICRO WILL PROVIDE TIMELY TECHNICAL SUPPORT IF REQUIRED.

YOU AGREE TO USE THIS PRODUCT IN COMPLIANCE WITH ALL APPLICABLE LAWS, AND YOU ARE SOLELY RESPONSIBLE FOR ENSURING THAT YOUR USE CONFORMS TO THE APPLICABLE LAW. ESPECIALLY, YOU ARE RESPONSIBLE, FOR USING THIS PRODUCT IN A MANNER THAT DOES NOT INFRINGE ON THE RIGHTS OF THIRD PARTIES, INCLUDING WITHOUT LIMITATION, RIGHTS OF PUBLICITY, INTELLECTUAL PROPERTY RIGHTS, OR DATA PROTECTION AND OTHER PRIVACY RIGHTS. YOU SHALL NOT USE THIS PRODUCT FOR ILLEGAL HUNTING ANIMALS, INVASION OF PRIVACY OR ANY OTHER PURPOSE WHICH IS ILLEGAL OR DETRIMENTAL TO THE PUBLIC INTEREST. YOU SHALL NOT USE THIS PRODUCT FOR ANY PROHIBITED END-USES, INCLUDING THE DEVELOPMENT OR PRODUCTION OF WEAPONS OF MASS DESTRUCTION, THE DEVELOPMENT OR PRODUCTION OF CHEMICAL OR BIOLOGICAL WEAPONS, ANY ACTIVITIES IN THE CONTEXT RELATED TO ANY NUCLEAR EXPLOSIVE OR UNSAFE NUCLEAR FUEL-CYCLE, OR IN SUPPORT OF HUMAN RIGHTS ABUSES.

PLEASE FOLLOW ALL THE PROHIBITIONS AND EXCEPTIONAL CAVEATS OF ALL APPLICABLE LAWS AND REGULATIONS, IN PARTICULAR, THE LOCAL FIREARMS AND/OR HUNTING LAWS AND REGULATIONS. PLEASE ALWAYS CHECK NATIONAL PROVISIONS AND REGULATIONS BEFORE PURCHASE OR USE OF THIS PRODUCT. PLEASE NOTE THAT YOU MAY HAVE TO APPLY FOR PERMITS, CERTIFICATES, AND/OR LICENSES 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 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 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/download-center/declaration-of-conformity/>

Frequency Bands and Power (for CE)

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 2.485 GHz): 20 dBm

5 GHz (5.15 GHz to 5.25 GHz): 23 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



Regulation (EU) 2023/1542 (Battery Regulation): This product contains a battery and it is in conformity with the Regulation (EU) 2023/1542. The battery 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), or lead (Pb). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info.

ANATEL

The manual should describe the RF sentence: Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

Para maiores informações, consulte o site da ANATEL – www.anatel.gov.br

INFORMATIONEN FÜR PRIVATE HAUSHALTE

1. Getrennte Erfassung von Altgeräten:

Elektro- und Elektronikgeräte, die zu Abfall geworden sind, werden als Altgeräte bezeichnet. Besitzer von Altgeräten haben diese einer vom unsortierten Siedlungsabfall getrennten Erfassung zuzuführen. Altgeräte gehören insbesondere nicht in den Hausmüll, sondern in spezielle Sammel- und Rückgabesysteme.

2. Batterien und Akkus sowie Lampen:

Besitzer von Altgeräten haben Altbatterien und Altakkumulatoren, die nicht vom Altgerät umschlossen sind, die zerstörungsfrei aus dem Altgerät entnommen werden können, im Regelfall vor der Abgabe an einer Erfassungsstelle vom Altgerät zu trennen. Dies gilt nicht, soweit Altgeräte einer Vorbereitung zur Wiederverwendung unter Beteiligung eines öffentlich-rechtlichen Entsorgungsträgers zugeführt werden.

3. Möglichkeiten der Rückgabe von Altgeräten:

Besitzer von Altgeräten aus privaten Haushalten können diese bei den Sammelstellen der öffentlich-rechtlichen Entsorgungsträger oder bei den von Herstellern oder Vertriebern im Sinne des ElektroG eingerichteten Rücknahmestellen unentgeltlich abgeben. Rücknahmepflichtig sind Geschäfte mit einer Verkaufsfläche von mindestens 400 m² für Elektro- und Elektronikgeräte sowie diejenigen Lebensmittelgeschäfte mit einer Gesamtverkaufsfläche von mindestens 800 m², die mehrmals pro Jahr oder dauerhaft Elektro- und Elektronikgeräte anbieten und auf dem Markt bereitstellen. Dies gilt auch bei Vertrieb unter Verwendung von Fernkommunikationsmitteln, wenn die Lager- und Versandflächen für

Elektro- und Elektronikgeräte mindestens 400 m² betragen oder die gesamten Lager- und Versandflächen mindestens 800 m² betragen. Vertreiber haben die Rücknahme grundsätzlich durch geeignete Rückgabemöglichkeiten in zumutbarer Entfernung zum jeweiligen Endnutzer zu gewährleisten. Die Möglichkeit der unentgeltlichen Rückgabe eines Altgerätes besteht bei rücknahmepflichtigen Vertreibern unter anderem dann, wenn ein neues gleichartiges Gerät, das im Wesentlichen die gleichen Funktionen erfüllt, an einen Endnutzer abgegeben wird.

4. Datenschutz-Hinweis:

Altgeräte enthalten häufig sensible personenbezogene Daten. Dies gilt insbesondere für Geräte der Informations- und Telekommunikationstechnik wie Computer und Smartphones. Bitte beachten Sie in Ihrem eigenen Interesse, dass für die Löschung der Daten auf den zu entsorgenden Altgeräten jeder Endnutzer selbst verantwortlich ist.

5. Bedeutung des Symbols „durchgestrichene Mülltonne“:



Das auf Elektro- und Elektronikgeräten regelmäßig abgebildete Symbol einer durchgestrichenen Mülltonne weist darauf hin, dass das jeweilige Gerät am Ende seiner Lebensdauer getrennt vom unsortierten Siedlungsabfall zu erfassen ist.

Symbol Conventions

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

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

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.

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

- If a power adapter is provided in the device package, use the provided adapter only. If no power adapter is provided, ensure the power adapter or other power supply complies with Limited Power Source. Refer to the product label for the power supply output parameters.
- The power delivered by the charger must be between min 8.4 Watts required by the radio equipment, and max 11 Watts in order to achieve the maximum charging speed.
- 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

- The external rechargeable battery type is 18650, and the battery size is 19 mm × 70 mm. The rated voltage is 3.6 V, and the battery capacity is 3200 mAh.
- The built-in battery type is rechargeable lithium-ion battery, and the battery size is 23 mm × 67 mm. The rated voltage is 3.6 V, and the battery capacity is 3350 mAh.
- CAUTION: Risk of explosion if the battery is replaced by an incorrect type. Replace with the same or equivalent type only.
- Batteries of improper size cannot be installed, and may cause abnormal shutdown.
- Improper replacement of the battery with an incorrect type may defeat a safeguard (for example, in the case of some lithium battery types).

- Please purchase the batteries recommended by the manufacturer if necessary.
- The purchased batteries by users need to comply with the relevant international standards about battery safety (e.g. EN/IEC standards).
- Use the battery provided by qualified manufacturer. Refer to the product specification for detailed battery requirements.
- Dispose of used batteries according to the instructions.
- Remove the battery if you do not use the device for a long time.
- For long-term storage of the battery, make sure it is fully charged every 3 months to ensure the battery quality. Otherwise, damage may occur.
- The built-in battery cannot be dismantled. Please contact the manufacture for repair if necessary.
- Install the external battery before the built-in battery runs out, or the device cannot be turned on.
- Make sure the built-in battery temperature is between 0 °C to 52 °C (32 °F to 125.6 °F) when charging.
- Make sure the external battery temperature is between 0 °C to 55 °C (32 °F to 131 °F) when charging.
- 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 or low air pressure environment, which may result in an explosion or the leakage of flammable liquid or gas.
- Confirm there is no flammable material within 2 m of the charger during charging.
- 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.
- CAUTION: Risks of short circuit, fire, or explosion if the battery is damaged. Frequent use, dropping, impact, corrosion, or compression of the battery may cause damages including cracked casing, detached plates, or leakage of internal liquid or gas, etc.
- If the battery is damaged, stop using it immediately and dispose of it 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.
- Make sure that the power has been disconnected before device teardown and repair by professionals.

- If the equipment is used in a manner not specified by the manufacturer, the protection provided by the device may be impaired.
- Check the optical surfaces of objective lens, eyepiece, rangefinder, etc. If necessary, remove dust and sand from the optics using tools and solvent designed especially for this purpose (it is preferable to use a non-contact method).
- Wipe the exterior surfaces of metal, plastic, and silicone parts with a clean and soft cloth. Do not use chemically active substances, solvents, etc. as these may damage the paint.
- Clean the electrical contacts of the battery on the device using a non-greasy organic solvent.

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 lens at the sun or any other bright light.
- Place the device in a dry and well-ventilated environment.
- Avoid equipment installation on vibratory surface or places subject to shock (neglect may cause equipment damage).
- This equipment is not suitable for use in locations where children are likely to be present.

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 that no human or inflammable substances are in front of the laser lens, and that the laser lens is not obstructed. Do not place the device where minors can fetch it. According to IEC 60825-1:2014, EN 60825-

1:2014+A11:2021, and EN 50689:2021, this laser product is classified as Class 1 laser product and consumer laser product.

Limited Warranty

Scan the QR code for the product warranty policy.



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 Hunting.Global

 www.hikmicrotech.com

 support@hikmicrotech.com