

User Manual

Thermal Monocular

CONDOR SERIES

V5.5.112 202409



Contact Us

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1 Overview

1.1 Brief Description

HIKMICRO CONDOR thermal monocular is equipped with an infrared detector and a 1024 × 768 OLED display. With less than 20 mK NETD, which represents high thermal sensitivity, it ensures image quality and detail recognition even in the hardest weather conditions. Its 1000 m laser rangefinder can accurately measure the distance when you are stalking in the forest or field or observing under low-light conditions. The device can be mainly applied in forest & field hunting, birding, animal searching, adventuring, and recusing scenario.

1.2 Function

Zoom Pro

An advanced zoomed image processing algorithm, ensures maximum image optimization under digital zoom, especially from 1× to 2× and 4×.

Distance Measurement

Built-in laser range finder provides an accurate distance between the target and the observation position.

Auto Screen Off

Auto screen off function allows the device to enter standby mode/wake up through angle changes. The function darkens the screen to save energy and extend battery life.

App Connection

The device can capture snapshots, record videos, and set parameters by HIKMICRO Sight app after being connected to your phone via hotspot.

1.3 Appearance

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

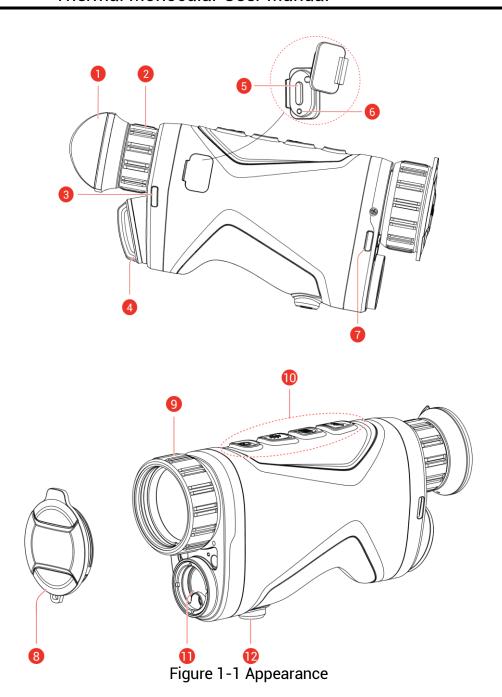


Table 1-1 Components

No.	Description	Function
1	Eyepiece	The piece placed closest to the eye to view the target.
2	Diopter Adjustment Ring	Adjusts the dioptric setting.
3 & 7	Hand Strap Attachment Point	Mounts the hand strap.
4	Battery Compartment	For holding the battery.
5	Type-C Interface	To connect the device to power supply or to transmit data with a type-C cable.

6	Charging Status Indicator	 Flashing Red & Green: Error occurred. Solid Red: Battery is charging. Solid Green: Battery is fully charged.
8	Lens Cover	Protects the lens from dust or scratch.
9	Focus Ring	Adjusts focus to obtain clear targets.
10	Buttons	To set functions and parameters.
11	Laser Rangefinder	Measures the distance to the target with laser.
12	Tripod Mount	Mounts the tripod.

Table 1-2 Button Description

Icon	Button	Function
	Power	 Press: Standby mode/Wake up device. Hold: Power on/off.
*	Measure	Non-Menu Mode: • Press: Turn on laser ranging. • Double Press: Turn off laser ranging. • Hold: Start/stop recording videos. Menu Mode: Press to move up.
	Menu	Non-Menu Mode: Press: Switch palettes. Hold: Enter the menu. Menu Mode: Press: Confirm/set parameters. Hold: Save and exit menu.
Q±	Zoom	Non-Menu Mode: • Press: Switch digital zoom. • Hold: Correct non-uniformity of display (FFC), refer to <i>Flat Field Correction</i> . Menu Mode: Press to move down.
* + =	Measure + Menu	Press to capture snapshots.

i Note

When the auto screen off function is enabled, if you press 1 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.

2 Preparation

Take out the device and accessories. Check them with the packaging list to confirm device and accessories are included and available for use. Read the user manual to learn the usage methods and cautions.

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

2.1.2 Battery Installation

Insert the battery into the battery compartment.

Steps

1. Rotate the battery compartment cover counterclockwise (1) to loosen it, and pull the battery cover out (2).

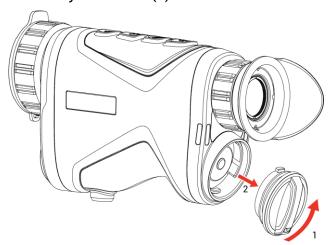


Figure 2-1 Open the Cover

2. Insert a battery into the battery compartment as the positive and negative marks indicate.

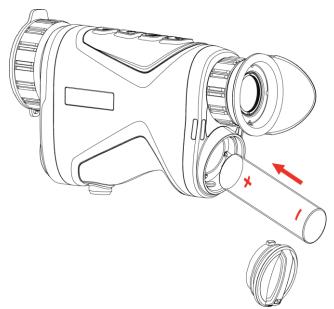


Figure 2-2 Install the Battery

3. Insert the battery compartment cover (3) and rotate it clockwise (4) until it is tight and locked.

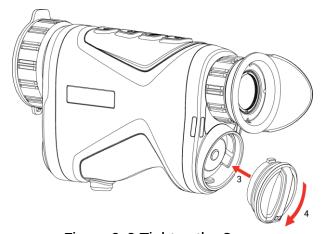


Figure 2-3 Tighten the Cover

2.2 Cable Connection

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

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

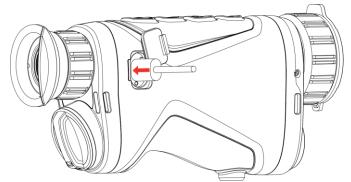


Figure 2-4 Cable Connection



- Please charge the device after the battery is installed in the battery compartment of the device.
- The charging temperature should be from 0 °C to 45 °C (32 °F to 113 °F).

2.3 Mount Hand Strap

Steps

1. Slide one end of the hand strap through the attachment point.

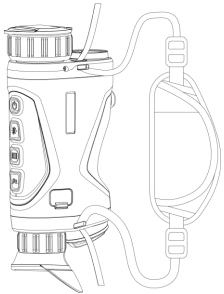


Figure 2-5 Thread Hand Strap through Attachment Point

2. Thread the hand strap through the hand strap buckle, and fasten the hand strap to secure it.

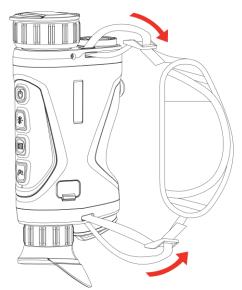


Figure 2-6 Secure Hand Strap

- 3. Repeat above steps to finish mounting.
- 4. Adjust the tightness of the hand strap as needed.

2.4 Power On/Off

Power On

When the device is connected to cable or the battery is enough, hold \bigcirc to power on the device.

Power Off

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



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

Auto Power Off

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

- 1. Hold to show the menu.
- 2. Go to R Advanced Settings, and select O General Settings.

- 3. Press or select on and press to enter the configuration interface.
- 4. Press or \mathbb{P}^{\pm} to select the auto power off time as required, and press to confirm.
- 5. Hold to save and exit.

Note

- 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 exits standby mode or the device is restarted.

2.5 Auto Screen Off

Auto screen off function darkens the screen to save energy and increase battery time. However, the device stays on and you can view the live view on HIKMICRO Sight app when connecting the device to the app.

- 1. Enable auto screen off.
 - 1) Hold to show the menu.
 - 2) Go to Advanced Settings, and press or \mathscr{P} to select
 - 3) Press ill to enable auto screen off.
 - 4) Hold to save settings and exit.
- 2. You can do one of the following methods to enter the standby mode when the display is turned on:
 - Tilt the device downwards more than 70°.
 - Rotate the device horizontally more than 75°.
 - Keep the device still and do not move it for 5 minutes.

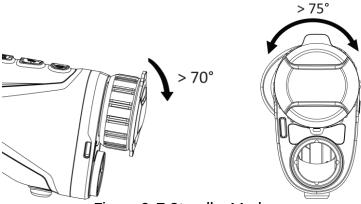
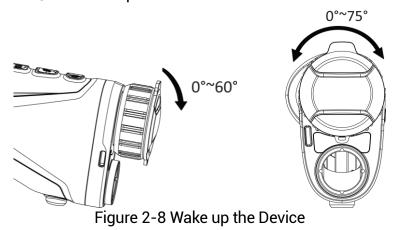


Figure 2-7 Standby Mode

- 3. You can do one of the following methods to wake up the device when the display is turned off:
 - Tilt the device downwards from 0° to 60° or upwards.
 - Rotate the device horizontally from 0° to 75°.
 - Press 🕛 to wake up the device.



2.6 Menu Description

In the live view interface, hold \blacksquare to show the menu.



Figure 2-9 Device Menu

- Press * to move the cursor up.
- Press to move the cursor down.
- Press 🗐 to confirm and hold it to exit the 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.

Steps

 Search the 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 to show the menu.
- 4. Press to enter the setting interface.
- 5. Press or \mathcal{P} to select **Hotspot**. The hotspot function is enabled.

- 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 connect your phone with the device. You can view the interface of device on your phone.



- Hotspot cannot be enabled when device battery is low.
- The device cannot connect to the app if you enter wrong password several times. Refer to *Reset Device* to reset the device, and connect the app again.
- If the password is not displayed, please upgrade the device to the latest version. Or enter the Serial No. as the password.

2.8 Switch Hotsopt Band

Steps

- 1. Hold less to show the menu.
- 2. Go to R Advanced Settings.
- 3. Press 🔆 or 🔎 to select 🐠 .
- 4. Press to enter the unit setting interface. Press or \mathcal{P}^{\pm} to select the **Hotspot Band**, 2.4 GHz and 5 GHz are selectable.



The funtion is only supprted by some models. Please refer to the actual product.

2.9 Firmware Status

2.9.1 Check Firmware Status

- 1. Open the 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.

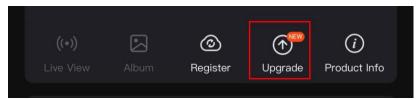


Figure 2-10 Check Firmware Status

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

2.9.2 Upgrade Device

Upgrade Device via HIKMICRO Sight

Before You Start

Install HIKMICRO Sight on your phone and connect your device to the app.

Steps

- 1. Tap the upgrade prompt to enter the firmware upgrade interface.
- 2. Tap **Upgrade** to start upgrade.



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.

- 1. Hold to show the menu.
- 2. Go to Range Advanced Settings, and select Function Settings.
- 3. Press or $\bigcirc \pm$ to select \bigcirc , and press \blacksquare to enter the configuration interface.
- 5. Connect the device to your PC with 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.

Result

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

3 Image Settings

You can set palettes, brightness, scenes, FFC (flat field correction), and DPC (defective pixel correction) to display the better image effect.

3.1 Adjust Diopter

Make sure the eyepiece covers your eye and aim at the target. Adjust the diopter adjustment ring until the OSD text or image is clear.



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

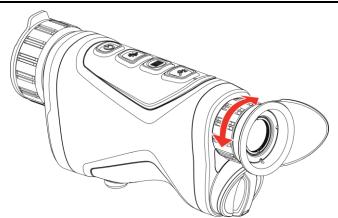


Figure 3-1 Adjust Diopter

3.2 Adjust Focus

Slightly rotate the focus ring to adjust the focus of the objective lens.

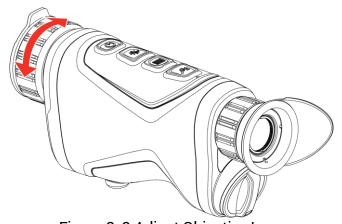


Figure 3-2 Adjust Objective Lens



DO NOT touch the lens directly with your finger, or place any sharp objects near them.

3.3 Adjust Brightness

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

Steps

- 1. Hold to show the menu.
- 2. Press $\mbox{\ }\mbox{\ }\m$
- 3. Press # or $\mathcal{P}^{\underline{*}}$ to adjust display brightness.
- 4. Hold to save settings and exit.

3.4 Adjust Contrast

Steps

- 1. Hold to show the menu.
- 2. Press $\frac{1}{3}$ or \mathcal{P} to select \bigcirc and press \bigcirc to confirm.
- 3. Press $\not \Leftrightarrow$ or \mathscr{P} to adjust contrast.
- 4. Hold to save and exit.

3.5 Adjust Tone

- 1. Hold 🛅 to show the menu.
- 2. Go to \mathbb{R} Advanced Settings, and press \Re or \mathbb{R} to select \mathbb{R} .
- 3. Press \blacksquare to confirm, and press \Re or \mathscr{P}^{\pm} to select a tone. Warm and **Cold** can be selected.
- 4. Hold to save and exit.





Figure 3-3 Adjust Tone

3.6 Adjust Sharpness

Steps

- 1. Hold **to show the menu**.
- 2. Go to Advanced Settings, and press or \mathscr{P} to select \triangle .
- 3. Press \equiv to confirm, and press # or \mathcal{P}^{\pm} to adjust sharpness.
- 4. Hold to save and exit.





Figure 3-4 Sharpness Adjustment Comparison

3.7 Select Scene

You can select proper scene according to actual using scene to improve the display effect.

- 1. Hold 🔳 to show the menu.
- 2. Go to ightharpoonup Advanced Settings, and press ightharpoonup or <math>
 hoto select ightharpoonup Z.
- 3. Press 🛅 to enter the setting interface.

- 4. Press → or P± to switch scene.
 Recognition: Recognition refers to recognition mode and is recommended in normal scene.
 - Jungle: Jungle refers to jungle mode and is recommended in hunting environment.
- 5. Hold to save settings and exit.

Set Palettes 3.8

You can select different palettes to display the same scene in different effects. Press in the live view interface to switch palettes.

White Hot

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



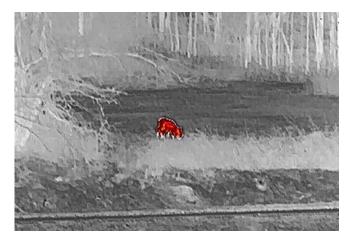
Black Hot

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



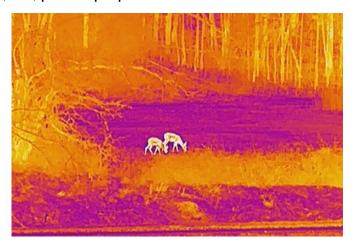
Red Hot

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.



Adjust Digital Zoom 3.9

You can zoom in and out the image by using this function. Press \mathcal{P}^{\pm} in the live view interface, the digital zoom ratio switches between 1x, 2x, 4x and 8×.



When switching the digital zoom ratio, the top-left corner of interface displays the actual magnification (Actual Magnification = Lens Optical Magnification × Digital Zoom Ratio). For example, the lens optical magnification is 2.0× and the digital zoom ratio is 2×, and the actual magnification is 4.0×.

3.10 Set Picture in Picture Mode

Steps

- 1. Hold to show the menu.
- 2. Press or \mathbb{P}_{\pm} to select \square .
- 3. Press to enable or disable PIP mode. The details show in the upper center of the view.
- 4. Hold to save the settings and exit.



Figure 3-5 Set Picture in Picture Mode



- If the PIP function is enabled, only the PIP view zooms when adjusting the digital zoom ratio.
- The PIP view temporarily displays the zoom ratio when adjusting the digital zoom of the device.

3.11 Flat Field Correction

This function can correct non-uniformity of display.

- 1. Hold to show the menu.
- 2. Go to Range Advanced Settings, and select Function Settings.
- 3. Press or \mathbb{A} to select \mathbb{A} , and press \mathbb{A} to enter the configuration interface.
- 4. Press \clubsuit or \mathscr{P} to switch FFC mode.

- Manual FFC: Hold Pt in the live view to correct the non-uniformity of display.
- Auto FFC: The device performs FFC automatically according to the set schedule when switching on the camera.
- **External**: Cover the lens cover, then hold \mathcal{P}^{\pm} in the live view to correct the non-uniformity of display.
- 5. Hold 🔳 to save the settings and exit.



The countdown will start before the device performs FFC automatically.

3.12 Correct Defective Pixel

The device can correct the defective pixels on the screen which are not performed as expected.

Steps

- 1. Hold less to show the menu.
- 2. Go to Range Advanced Settings, and select Function Settings.
- 3. Press ** or ** to select , and press to enter DPC configuration interface.
- 4. Press to select **X** or **Y Axis**. If you select **X** axis, the cursor moves left and right; if you select **Y** axis, the cursor moves up and down.
- 5. Press \Re or \mathscr{D} to set the coordinates until the cursor reaches the defective pixel.
- 6. Press 🔳 twice to correct the dead pixel.
- 7. Hold to save the settings and exit.



- The selected defective pixel can be magnified and displayed on the bottom right of the interface.
- If the screen OSD blocks the defective pixel, move the cursor to reach the defective pixel, then the device performs mirror display automatically as shown in the figures below.

3.13 Zoom Pro

Zoom Pro refers to zoomed image detail enhancement. When you turn on this function, the details of zoomed live view image will be enhanced.

Steps

- 1. Hold **to show the menu.**
- 2. Press \divideontimes or \mathscr{P} to select .
- 3. Press 📰 to enable the function.
- 4. Hold 🔳 to save settings and exit.

Result

The details of the zoomed live view image will be enhanced.



- If the PIP function is enabled, zoom pro is only enabled in the PIP view.
- Zoom Pro cannot be enabled when device battery is low.

4 Measure Distance with Laser

The device 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 🛅 to show the menu.
- 2. Go to Range Advanced Settings, and press or Pt to select :
- 3. Press 🔳 to go to the measurement interface.
- 4. Press or \mathcal{P}^{\pm} to select a laser ranging mode. Press to confirm. **Once** and **Continuous** are selectable.
 - Continuous means measuring the distance continuously, and the measurement duration can be selected. The measurement result will be refreshed every second.
 - Once means measuring the distance once.
- 5. Hold to save the setting and return to the live view interface.
- 6. Press # in the live view interface to turn on laser ranging.
- 7. Aim the cursor at the target and press * to measure the target distance.



- Press in the live view interface to turn on laser ranging, and press
 twice in the live view interface to turn off laser ranging.
- Laser ranging cannot be enabled when device battery is low.

Result

The distance measurement result is displayed at the upper right of the image.

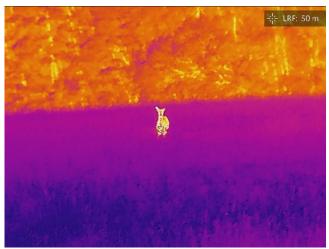


Figure 4-1 Laser Ranging Result



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 no human or inflammable substances are in front of the laser lens.

5 General Settings

5.1 Set OSD

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

Steps

- 1. Hold to show the menu.
- 2. Go to Range Advanced Settings, and select Function Settings.
- 3. Press or select , and press to enter OSD setting interface.
- 4. Press or Other to select the **Time**, **Date**, or **OSD**, and press to turn on or turn off the selected OSD information.
- 5. Hold to save and exit.



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

5.2 Set Brand Logo

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

Steps

- 1. Hold **to show the menu**.
- 2. Go to Range Advanced Settings, and select Function Settings.
- 3. Press # or \mathcal{P} to select \triangle .
- 4. Press 🛅 to enable **Brand Logo**.
- 5. Hold to save the settings and exit.

Result

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

5.3 Burning Prevention

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

Steps

- 1. Hold to show the menu.
- 2. Go to Advanced Settings, and select Function Settings.
- 3. Press # or \mathcal{P} to select $\mathring{}$.
- 4. Press 🔳 to enable or disable the burn-prevention function.
- 5. Hold to save settings and exit.

5.4 Capture and Video

5.4.1 Capture Picture

In the live view interface, press * + \blacksquare to capture a picture.



When capturing succeeds, the image freezes for 1 second and a prompt shows on the display.

For exporting pictures, refer to **Export Files**.

5.4.2 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 🛅 to show the menu.
- 3. Press 📋 to enable or disable this function.
- 4. Hold 🛅 to save settings and exit.

5.4.3 Record Video

Steps

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



Figure 5-1 Start Recording

The left top of image displays the information of recording time.

2. Hold * again to stop recording.

What to do next

For exporting videos, refer to **Export Files**.

5.5 Hot Tracking

The device can detect the highest temperature spot in the scene and mark it on display.

Steps

- 1. Hold to show the menu.
- 3. Press to mark the spot of highest temperature.

Result

When the function is enabled, displays in the spot of highest temperature. When the scene changes, the displays moves.



Figure 5-2 Hot Tracking

5.6 Export Files

5.6.1 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.

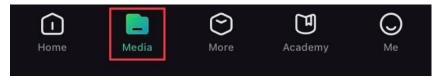


Figure 5-3 Access Device Albums

- 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.



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 5-4 Export Files



- 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.

5.6.2 Export Files via PC

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

Steps

- 1. Hold to show the menu.
- 2. Go to R Advanced Settings, and select Function Settings.
- 3. Press or \mathbb{A} to select \mathbb{C} , and press \mathbb{C} to enter the configuration interface.
- 4. Press * or P select USB Flash Drive.
- 5. Connect the device and PC with a USB type-C cable.



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 June 2023, go to DCIM -> 202306 to find the picture or video.
- 7. Select and copy the files to PC.
- 8. Disconnect the device from your PC.



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

6 System Settings

6.1 Adjust Date

Steps

- 1. Hold to show the menu.
- 2. Go to Reneral Settings, and select O General Settings.
- 3. Press ≱ or ♀ to select 🗀 .
- 4. Press 🛅 to enter the configuration interface.
- 5. Press to select the year, month, or day, and press or \mathcal{P} to change the number.
- 6. Hold to save settings and exit.

6.2 Synchronize Time

Steps

- 1. Hold limit to show the menu.
- 2. Go to Advanced Settings, and select O General Settings.
- 3. Press # or \mathcal{P} to select \bigcirc .
- 4. Press 📰 to enter the configuration interface.
- 5. Press or so to switch the clock system. 24-hour and 12-hour clock are selectable. If you select 12-hour clock, press and then press or select AM or PM.
- 6. Press 📰 to select the hour or minute, and press 🎇 or 🔑 to change the number.
- 7. Hold to save settings and exit.

6.3 Set Language

You can select the device language in this function.

Steps

1. Hold to show the menu.

- 2. Go to Advanced Settings, and select O General Settings.
- 3. Press or 🔑 to select 🚫.
- 4. Press 🗐 to enter the language configuration interface.
- 5. Press or to select the language as required, and press to confirm.
- 6. Hold to save settings and exit.

6.4 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.

Before You Start

Connect the device and the display unit via USB Type-C cable.

Steps

- 1. Hold to show the menu.
- 2. Go to Range Advanced Settings, and select Function Settings.
- 3. Press # or \mathscr{P} to select \square .
- 4. Press to enter the configuration interface.
- 5. Press # or $\bigcirc_{\stackrel{\Phi}{=}}$ select **Digital** to turn on UVC output.
- 6. Hold to save settings and exit.
- 7. Open the UVC protocol-based player, and connect your device to the PC via the type-C cable.



 This function is only supported by some models. Please refer to the actual product.

6.5 CVBS Output

The CVBS output is used to debug the device. You can also view the device image on the display or handheld screen for details.

Before You Start

Connect the device and the display unit via USB to CVBS cable.

Steps

- 1. Hold to show the menu.
- 2. Go to Advanced Settings, and select Function Settings.
- 3. Press # or \mathcal{P} to select \square .
- 4. Press to enter the configuration interface.
- 5. Press * or * select **Analog** to turn on CVBS output.
- 6. Hold to save settings and exit.

i Note

The CVBS cable is not included in the package. Please purchase it by yourself.

6.6 Set Unit

You can switch the unit for distance measurement.

Steps

- 1. Hold to show the menu.
- 2. Go to Reneral Settings, and select O General Settings.
- 3. Press ∰ or ♀ to select ⅙.
- 4. Press \equiv to enter the unit setting interface. Press \ll or \mathcal{P}^{\pm} to select the unit as required.
- 5. Hold to save settings and exit.

6.7 Save Diagnostic Log

This functions helps to collect and save device operation logs for troubleshooting.

- 1. Hold to show the menu.
- 2. Go to 🔐 Advanced Settings, and select 💿 General Settings.
- 3. Press $\frac{1}{3}$ or $9^{\frac{1}{2}}$ to select $\boxed{\ }$, and press the wheel to enable the function. The device will start to collect and record the device log.

4. Press to disable the function when the diagnostic log collection is finished.

i Note

- When disabling the diagnostic log, a prompt will appear on the interface indicating the progress of diagnostic log collection. This operation cannot be interrupted. Once the log collection is finished, the prompt will disappear.
- If you need to export the logs to the professionals, open computer disk to copy and paste the .tar.gz file stored in the log folder in the root directory of the device. See Export Files via PC.

6.8 View Device Information

Steps

- 1. Hold to show the menu.
- 2. Go to R Advanced Settings, and select O General Settings.
- 3. Press # or \mathcal{P} to select \bigcirc .
- 4. Press to confirm. You can view the device information such as remaining storage, version and serial No.
- 5. Hold to save settings and exit.

6.9 Restore Device

This function only restores the device basic settings, such as brightness, contrast, and PIP, to their defaults.

Steps

- 1. Hold to show the menu.
- 2. Go to Advanced Settings, and select General Settings.
- 3. Press or \mathbb{A} to select \mathbb{A} .
- 4. Press 🔳 to restore the device to defaults according to the prompt.

6.10 Reset Device

This function erase all content and settings, including basic settings, storage, and hotspot password.

- 1. Hold 🔳 to show the menu.
- 2. Go to Reneral Settings, and select O General Settings.
- 3. Press $\mbox{\begin{tabular}{l} \swarrow}$ or $\mbox{\begin{tabular}{l} \varnothing}$ to select $\mbox{\begin{tabular}{l} \varnothing}$.
- 4. Press 📰 to restore the device to defaults according to the prompt.

7 Frequently Asked Questions

7.1 Why does the charge indicator flash improperly?

Check the following items.

- Check whether the device is charged with standard power adapter and the charging temperature is above 0 °C (32 °F).
- The device is equipped with built-in charging protection module. Charge the device in power off status.

7.2 Why is the power indicator off?

Check whether the device is off-battery. Check the indicator after charging the device for 5 minutes.

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

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

7.4 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.

7.5 Why the PC cannot identify the device?

Check the following items.

- 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.
- Check whether the USB connection mode is switched to USB Flash Drive.

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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Thermal Monocular User Manual

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.

IN THE EVENT OF ANY CONFLICTS BETWEEN THIS MANUAL AND THE APPLICABLE LAW, THE LATTER PREVAILS.

Regulatory Information

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

EU Compliance Statement



This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the Directive 2014/30/EU (EMCD), Directive 2014/35/EU (LVD), Directive 2011/65/EU (RoHS), Directive 2014/53/EU. Hereby, Hangzhou Microimage Software Co., Ltd. declares that this device (refer to the label) is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: https://www.hikmicrotech.com/en/support/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:

Equipment Model	Frequency Bands and Power
HM-TS63-25QG/WL-	Wi-Fi 2.4 GHz (2.4 GHz to
CH25L	2.4835 GHz), 20 dBm
HM-TS63-35QG/WL-	
CH35L	
HM-TS66-35QG/WL-	
CQ35L	
HM-TS66-50QG/WL-	
CQ50L	
HM-TS63-25QG/W1L-	Wi-Fi 2.4 GHz (2.4 GHz to
CH25L	2.4835 GHz), 20 dBm
HM-TS63-35QG/W1L-	Wi-Fi 5 GHz (5.15 GHz to
CH35L	5.25 GHz): 23 dBm
HM-TS66-35QG/W1L-	5.15 to 5.25 GHz Indoor
CQ35L	use only.
HM-TS66-50QG/W1L-	
CQ50L	

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.

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-003 (B)/NMB-003 (B) standards requirements.

This device complies with Industry Canada license-exempt RSS standard (s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment.

For HM-TS63-25QG/W1L-CH25L, HM-TS63-35QG/W1L-CH35L, HM-TS66-35QG/W1L-CQ35L, and HM-TS66-50QG/W1L-CQ50L, please pay attention to the following notes when the device is operating in 5 GHz:

The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

Conformité Industrie Canada ICES-003

Cet appareil répond aux exigences des normes CAN ICES-003 (B)/NMB-003 (B).

Cet appareil est conforme aux normes RSS exemptes de licence d'Industrie Canada. Son fonctionnement est soumis aux deux conditions suivantes :

- (1) cet appareil ne doit pas causer d'interférences, et.
- (2) cet appareil doit accepter toute interférence reçue, notamment les interférences susceptibles d'occasionner un fonctionnement indésirable de l'appareil.

Cet appareil est conforme aux limites d'exposition au rayonnement IC RSS-102 établies pour un environnement non contrôlé.

Pour les modèles HM-TS63-25QG/W1L-CH25L, HM-TS63-35QG/W1L-CH35L, HM-TS66-35QG/W1L-CQ35L, et HM-TS66-50QG/W1L-CQ50L veuillez prêter attention aux remarques suivantes lorsque l'appareil fonctionne en 5 GHz:

Les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

KC

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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 Vertreibern im Sinne des ElektroG eingerichteten Rücknahmestellen unentgeltlich abgeben. Rücknahmepflichtig sind Geschäfte mit einer Verkaufsfläche von mindestens 400 m² für Elektround 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.

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
<u></u>	Indicates a hazardous situation which, if not avoided, will or could result in death or serious injury.
<u></u>	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

- 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.
- 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 should be 19 mm × 70 mm. The rated voltage and capacity are 3.6

- VDC/3200 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.
- 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).
- Use the battery provided by qualified manufacturer. Refer to the product specification for detailed battery requirements.
- Dispose of used batteries according to the instructions.
- Take the battery away 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 half year to ensure the battery quality. Otherwise, damage may occur.
- Make sure the battery temperature is between 0°C to 45°C (32°F to 113°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 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 built-in battery cannot be dismantled. Please contact the manufacture for repair if necessary.
- This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
- If the battery compartment does not close securely, stop using the product and keep it away from children.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

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.
- 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 lens at the sun or any other bright light.
- 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 no human or inflammable substances are in front of the laser lens. Do not place the device where minors can fetch it. The wavelength is 905 nm, the pulse duration is 47 ns, and the max. average power output is 2.5 mW. According to IEC 60825-1:2014, EN 60825-1:2014+A11:2021, and EN50689:2021, 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

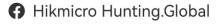
Room 313, Unit B, Building 2, 399 Danfeng Road, Xixing Subdistrict, Binjiang District, Hangzhou, Zhejiang 310052, China

Hangzhou Microimage Software Co., Ltd.

Thermal Monocular User Manual

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(iii) Hikmicro Hunting.Global

► HIKMICRO Outdoor

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