

Thermal Telescope FALCON Series

User Manual V5.5.61 202305



Contact Us

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Chapter 1 Overview

1.1 Device Description

The thermal telescope is equipped with high-sensitivity IR detector, and adopts advanced thermal imaging technology, to get clear view in poor visibility or dark environment.

It helps to view the target and measure the distance. It can view the moving target and meet the outdoor condition. The device can be widely used for hunting, outdoor searching and adventuring.

1.2 Main Function

Image Pro

Image Pro, HIKMICRO's self-developed image processing algorithm, ensures the maximum digital image optimization depending on the purposes and conditions of observation and provide high-quality rendering of both target objects and background.

Distance Measurement

The device can detect the distance between the target and the observation position.

Image Correction

The device supports DPC (Defective Pixel Correction) and FFC (Flat Field Correction) which can optimize the image quality.

Brightness & Tone Adjustment

You can adjust the brightness and tones as needed.

Client Software Connection

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

1.3 Appearance

The appearance of thermal telescopes is shown below. Please take the actual product for reference.

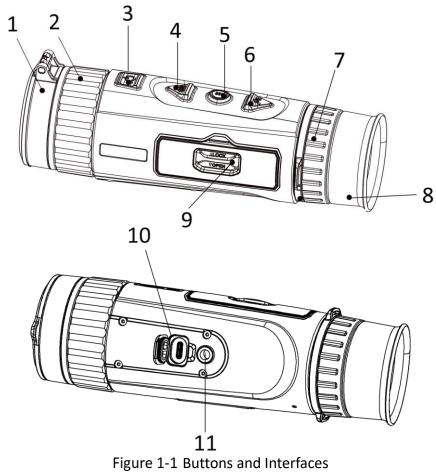


Table 1-1 Button and Interface Description

	Table 1-1 Button and interface Description				
No.	Component	Function			
1	Lens Cover	Protects the lens.			
2	Focus Ring	Adjusts focus to obtain clear targets.			
3	Power Button	Press: Standby mode/wake up deviceHold: Power on/off			
4	Capture Button	Press: Switch palettesHold: Start/stop recording			
5	Menu Button	Press: Enter quick menuHold: Enter main menu/Exit main menu and quick menu			
6	Zoom Button	Press: Switches digital zoom.Hold: Correct non-uniformity of display (FFC)			
7	Diopter Adjustment Ring	Adjusts the dioptric correction.			
8	Eyepiece	The piece placed closest to the eye to view the target.			
9	Battery Compartment	For holding the battery.			
10	Type-C Interface	To connect the device to power supply or to transmit data with a type-C cable.			

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11	Tripod Mount	To mount the tripod.				
iNote						
Press Capture	Button and Menu Bu	utton at the same time to capture snapshots.				

Chapter 2 Preparation

2.1 Cable Connection

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

Steps

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

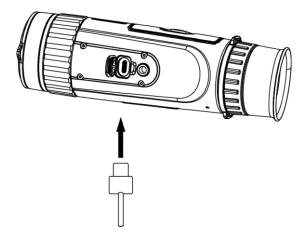


Figure 2-1 Connect to Type-C Cable

2.2 Install Battery

2.2.1 Battery Instruction

- The battery type is 18650 with the protection board, and the battery size should be 19 mm × 70 mm. The rated voltage is 3.6 VDC, and the battery capacity is 3350 mAh (12.06 Wh).
- Charge the batteries for more than 4 hours before first use.
- Remove the battery if the device is not used for a long time.
- Please purchase the batteries recommended by the manufacturer if necessary.

2.2.2 Battery Installation

Steps

1. Unlock the battery compartment cover.

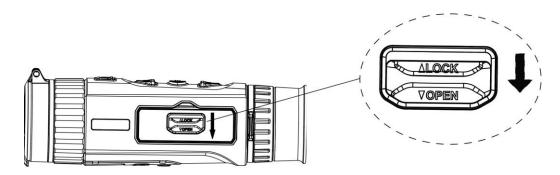


Figure 2-2 Unlock Battery Compartment Cover

2. Open the battery compartment cover.

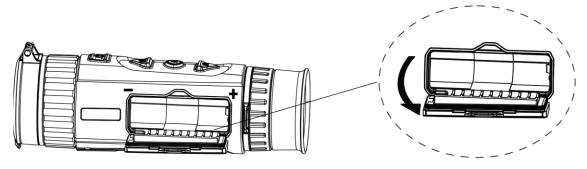


Figure 2-3 Open Battery Compartment Cover

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

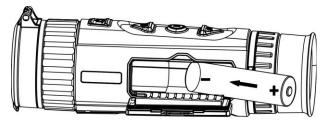


Figure 2-4 Install Battery

4. Close the battery compartment cover and lock it.

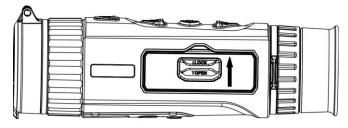


Figure 2-5 Complete Installation

2.3 Power On/Off

Power On

When the battery is sufficiently charged, hold \bigcirc for about 2 seconds to power on the device.

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When the device is turned on, hold of for about 2 seconds 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 power-off.
- Automatic low battery power-off cannot be canceled.

Auto Power Off

Set the auto power off time for your device to shut down the device automatically at a specific time.

Steps

- 1. Hold $\stackrel{\cdot}{=}$ to go to the menu.
- 2. Press or \mathcal{P}^{\pm} to select \bigcirc General Settings, and press $\stackrel{...}{...}$ to confirm.
- 3. Press or 🔎 to select 🕛 , and press 👭
- 3. Press or or to select the auto power off time as required.
 3. Hold to save and exit.

Note

- See the battery icon for the battery status.
 means the battery is fully charged, and means that the battery is low.
- When the low power alert shows, charge the battery.
- The auto power off countdown will start again when the device exits standby mode, or the device is restarted.

2.4 Menu Description

2.4.1 Main Menu

When the device is turned on, hold $\stackrel{\square}{=}$ to show the menu.

In the menu, you can press and select functions, press to configure the selected function, and hold $\stackrel{\square}{=}$ to exit the menu.



Figure 2-6 Menu Interface

2.4.2 Quick Menu

In the live view mode, press to show the quick menu. You can set parameters such as **PIP** (Picture in Picture), **Contrast**, **Brightness**, and **Image Pro** in the quick menu.



Figure 2-7 Quick Menu

iNote

This function varies according to different camera models.

2.5 Client Software Connection

Connect the device to the HIKMICRO Sight app via hotspot, then you can capture pictures, record

videos, or configure parameters on your phone.

Steps

1. Search the HIKMICRO Sight app 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 $\stackrel{\square}{=}$ to show the menu of device.
- 3. Press or $\mathfrak{P}^{\underline{+}}$ to select \mathfrak{Q} , and press $\overset{...}{\mathbb{H}}$ to confirm.
- 4. Press or \mathcal{P}^{\pm} to select **Hotspot**.
- 4. Turn on the WLAN of your phone and connect to the hotspot.
 - Hotspot Name: HIK-IPTS Serial No.
 - Hotspot Password: Serial No. (The last 9 numbers of serial No.).
- 5. Open the app and connect your phone with the device. You can view the interface of device on your phone.

Note

- The device cannot connect to the app if entering wrong password several times. Refer to **Restore Device** to reset the device, and connect the app again.
- The device should be activated for the first use. The default password must be changed after the activation.

2.6 Firmware Status

2.6.3 Check Firmware Status

Steps

- 1. Open the HIKMICRO Sight and connect your device to the app.
- 2. Check if there is a red spot on the connection interface. If there is no red spot, the firmware is the latest version. Otherwise, the firmware is not the latest version.

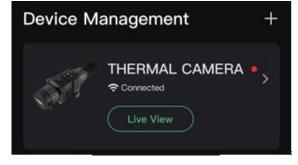


Figure 2-8 Check Firmware Status

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

2.6.4 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 device series to enter the device information interface.
- 2. Tap **Device Upgrade** to enter the firmware upgrade interface
- 3. Tap **Upgrade** to start upgrade.

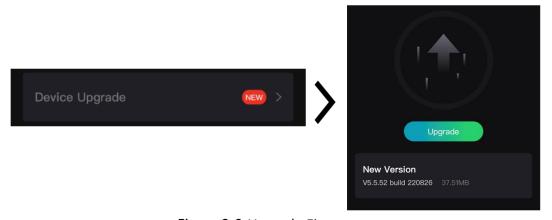


Figure 2-9 Upgrade Firmware

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. Connect the device to your PC with cable, and then turn on the device.
- 2. Open the detected disk, copy the upgrade file and paste it to the root directory of the device.
- 3. Hold to reboot the device, and the device upgrades automatically. The upgrading process will be displayed in the main interface.



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

Chapter 3 Image Settings

3.1 Adjust Diopter

Steps

- 1. Power on the device.
- 2. Hold the device and make sure the eyepiece covers your eye.
- 3. Adjust the diopter adjustment ring until the OSD text or image is clear.

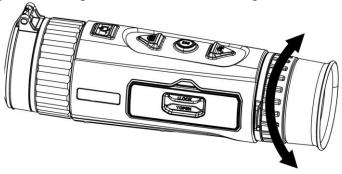


Figure 3-1 Adjust Diopter

iNote

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. Open the lens cover.
- 3. Hold the device and make sure the eyepiece covers your eye.
- 4. Adjust the focus ring until the image is clear.

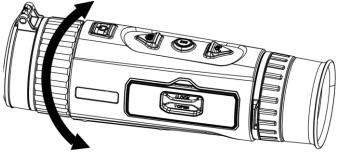


Figure 3-2 Adjust Focus

iNote

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

3.3 Adjust Brightness

Adjust the image brightness for better image effect.

Steps

- 1. Press $\stackrel{\square}{=}$ in live view mode to call the quick menu.
- 2. Press \bigcirc or $\mathcal{P}^{\underline{*}}$ to select \bigcirc , and press \rightleftharpoons to confirm.
- 3. Press \bigcirc or \bigcirc to adjust the brightness.
- 4. Hold $\stackrel{\square}{=}$ to exit and save.

In white hot mode, the higher the value of brightness is, the brighter the image is.

3.4 Adjust Contrast

- 1. Press in live view mode to call the quick menu.
- 2. Press or $\mathfrak{P}^{\underline{\bullet}}$ to select \mathfrak{p} , and press \mathfrak{p} to confirm.
- 3. Press or P to adjust the contrast.4. Hold to exit and save.

3.5 Adjust Tone

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

Steps

- 1. In the main menu, press or \mathcal{P}^{\pm} to select \bigcirc , and press $\stackrel{\square}{\mathbb{H}}$ to confirm.
- 2. Press or \mathcal{P}^{\pm} to select a tone. Warm and Cold are selectable.
- 3. Hold $\stackrel{\text{\tiny H}}{\rightleftharpoons}$ to exit and save.

3.6 Adjust Sharpness

Steps

- 1. In the main menu, press \bigcirc or \mathcal{P}^{\pm} to select \wedge , and press $\overset{\square}{\square}$ to confirm.
- 2. Press or \mathcal{P}^{\pm} to adjust the sharpness.
- 3. Hold $\stackrel{\square}{\mathbb{H}}$ to exit and save.

3.7 Set Palettes

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

White Hot

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



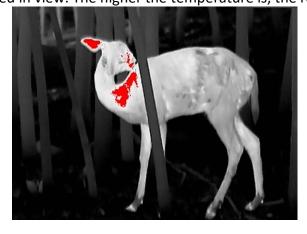
Black Hot

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.



3.8 Select Scene

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

Steps

- 1. In the main menu, press \bigcirc or \bigcirc to select \bigcirc , and press \bigcirc to confirm.
- 2. Press or \mathcal{P}^{\pm} to switch scene.
 - **Recognition**: Recognition mode is recommended in normal scene.
 - Jungle: Jungle mode is recommended in hunting environment.
- 3. Hold to save settings and exit.

3.9 Correct Defective Pixel

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

Steps

- 1. In main menu, select \rightleftharpoons Function Settings, and press \rightleftharpoons to enter the sub-menu.
- 2. Press \bigcirc or $\mathscr{P}^{\underline{+}}$ to select \bigcirc , and press $\stackrel{\square}{\boxminus}$ to enter the DPC setting interface.
- 3. 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.
- 4. Press \bigcirc or \mathscr{P}^{\pm} to move the cursor until it reaches the defective pixel.
- 5. Press $\stackrel{...}{...}$ twice to correct the dead pixel.

Note

• The selected defective pixel can be magnified and displayed on the 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.

3.10 Flat Field Correction

This function can correct non-uniformity of display.

Steps

- 1. In main menu, select \rightleftharpoons Function Settings, and press \rightleftharpoons to enter the sub-menu.
- 2. Press or \mathbb{A} to select Image Calib., and press \mathbb{H} to confirm
- 3. Press or \mathcal{P} to select a FFC mode.
 - Manual: Hold P[±] in live view to correct the non-uniformity of display.
 - Auto: The device performs FFC automatically according to the set schedule when switching on the camera.
 - External: Cover the lens cover, then hold in live view to correct the non-uniformity of display.
- 3. Hold to save the settings and exit.

INote

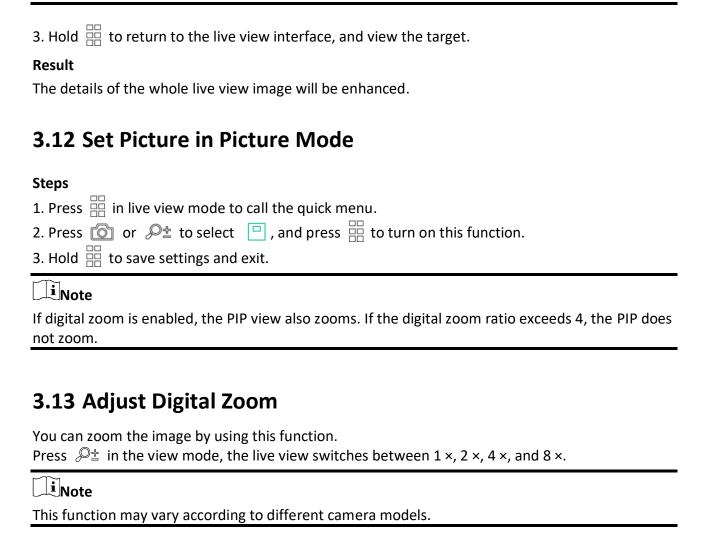
- You will hear a click and the image will freeze for a second when the device performs FFC.
- You can also hold \mathcal{P}_{\pm} and the wheel to perform FFC in auto FFC mode.

3.11 Set Image Pro

Image pro refers to image detail enhancement. When you enable this function, the details of whole live view interface will be enhanced.

Steps

- 1. In the main menu, press \bigcirc or \mathcal{P}^{\pm} to select $\boxed{\ \ }$.
- 2. Press 🛗 to enable this function.



Chapter 4 Measure Distance

The device can detect the distance between the target and the observation position.

Before You Start

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

Steps

- 1. In the main menu, press or \sim to select \sim , and press $\stackrel{\square}{=}$ to go to the measurement interface.
- 2. Press $\mathcal{P}^{\underline{+}}$ to show the setting interface and set a target.
 - 1) Press or \mathcal{P}^{\pm} to select the target from **Deer**, **Grey Wolf**, **Brown Bear**, and **Custom**, and press to confirm.
 - 2) Press and \mathcal{P} to set target height.

Note

The available height ranges from 0.1 m to 9.0 m.

- 3) Hold $\stackrel{\square}{\blacksquare}$ to save.
- 3. Align the center of top mark with the edge of target top. Press . The cursor blinks on the top edge of the target.
- 4. Align the center of bottom mark with the edge of target bottom. Press

Result

The right top of the image displays the distance measurement result and the height of the target.



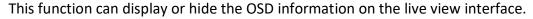
Figure 4-1 Measurement Result

Note

Go to distance measurement interface, and press $\stackrel{\square}{=}$ to view the result of the previous measuring target.

Chapter 5 General Settings

5.1 Set OSD



Steps

- 1. In main menu, select 📜 **Function Settings**, and press 🔡 to enter the sub-menu.
- 2. Press \bigcirc or \mathscr{P}^{\pm} to select \bigcirc , and press \rightleftharpoons to enter the OSD setting interface.
- 3. Press \bigcirc or \mathscr{P}^{\pm} to select the **Time**, **Date**, or **OSD**, and press $\stackrel{\square}{\boxminus}$ to turn on or turn off the information display.
 4. Hold to save and exit.



If you turn off OSD, all OSD information on the live view will be turned off.

5.2 Set Brand Logo

You can add brand logo on the live view interface.

- 1. In main menu, select 📴 **Function Settings**, and press 🔡 to enter the sub-menu.
- 2. Press \bigcirc or $\mathscr{P}^{\underline{+}}$ to select $\underline{\underline{A}}$, and press $\overset{\square}{\square}$ to enable **Brand Logo**.
- 3. Hold $\stackrel{\square}{=}$ to save the settings and exit.

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



After enabling this function, the brand logo only displays on the live view interface, captures and videos.

5.3 Set Burning Prevention

This function can prevent the detector of the thermal channel from being burned. When you enable this function, the shield will close if the grey scale of the detector reaches a certain value.

Steps

- 1. In main menu, select \rightleftharpoons Function Settings, and press $\stackrel{\square}{\boxminus}$ to enter the sub-menu.
- 2. Press \bigcirc or \mathcal{P}^{\pm} to select \bigcirc , and press $\stackrel{\square}{\boxplus}$ to enable this function.

3. Hold $\stackrel{\square}{=}$ to save settings and exit.

Note

When the burn-prevention function is disabled, the shield should be opened if it closes.

5.4 Hot Tracking

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

Steps

- 1. In the main menu, press or \mathbb{Z} to select \mathbb{Q} .
- 2. Press to enable hot tracking function.3. Hold to save settings and exit.

Result

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



Figure 5-1 Hot Tracking Effect

5.5 Capture and Video

5.5.1 Capture Picture

In the live view mode, press and at the same time to capture picture.

Note

When capturing succeeds, the image freezes for 1 second and a prompt shows on the display. For exporting captured pictures, refer to **Export Files**.

5.5.2 Record Video

Steps

1. In the live view mode, hold and start recording.



Figure 5-2 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 recording files, refer to **Export Files**.

5.5.3 Set Audio

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

Steps

- 1. In the main menu, press \bigcirc or \mathcal{P}^{\pm} to select \bigcirc .
- 2. Press to enable this function.3. Hold to save and exit.

5.6 Export Files

5.6.4 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 *Client Software Connection*.

2. Tap Media to access device albums.

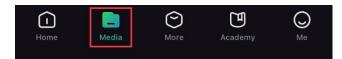


Figure 5-3 Access Device Albums

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

Note

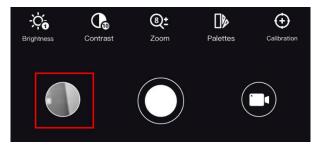
The photos or videos may not show in **Device**. Please pull down to refresh the page.

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





- 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.

5.6.5 Export Files via PC

Steps

1. Connect the device and PC with cable.



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

2. 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 2021, go to **DCIM** → **202106** to find the picture or video.

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- 3. Select and copy the files to PC.
- 4. Disconnect the device from your PC.

iNote

- 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.

Chapter 6 System Settings

6.1 Adjust Date

Steps

- 1. In main menu, select O General Settings and press enter the sub-menu.
- 2. Press \bigcirc or \mathscr{P} to select $\stackrel{\square}{=}$.
- 3. Press to select the year, month, or day to be synchronized, and press or \mathcal{P} to change the number.
- 4. Hold to save settings and exit.

6.2 Adjust Time

You can select the device language in this function.

Steps

- 2. Press or \mathbb{Q}^{\pm} to select \mathbb{Q} .
- 3. Press 🛗 to select hour, and press 💿 or 🔑 to switch the clock system. 24-hour and 12hour clocks are selectable. In 12-hour clock, press or \mathbb{A}^{\pm} to set AM or PM.

 4. Press to select hour or minute, and press or \mathbb{A}^{\pm} to change the number.
- 5. Hold the wheel to save settings and exit.

6.3 Set Unit

You can switch the unit for the distance measurement function.

- 1. In main menu, select O General Settings, and press enter the sub-menu.
- 2. Press \bigcirc or \mathcal{P}^{\pm} to select \mathcal{P}_{∞} , and press $\stackrel{\square}{\boxminus}$ to confirm.
- 3. Press or \mathcal{P}_{\pm} to select a unit. **Yard** and **m** (meter) are selectable.
- 4. Hold to save and exit.

6.4 Set Language

You can select the device language in this function.

Steps

- 2. Press \bigcirc or \mathscr{P}^{\pm} to select \bigcirc , and press \rightleftharpoons to enter the language configuration interface.
- 3. Press or P[±] to select the language as required.
 4. Hold to save and exit.

6.5 CVBS Output

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

Before You Start

Connect the device to the display unit via CVBS interface of the aviation plug.

- 1. In main menu, select \rightleftharpoons Function Settings, and press \rightleftharpoons to enter the sub-menu.
- 2. Press \bigcirc or \mathcal{P}^{\pm} to select $\boxed{\mathbb{Q}}$.
- 3. Press to switch on CVBS.4. Hold to save and exit.

Note

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

6.6 View Device Information

Steps

- 2. Press or \mathcal{P} to select \widehat{i} .
- 3. Press :: You can view the device information such as version and serial No.

6.7 Restore Device

Steps

- 2. Press or \mathcal{P} to select \mathcal{L} .
- 3. Press to restore the device to defaults according to the prompt.

Chapter 7 Frequently Asked Questions

7.1 Why is the monitor off?

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

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

Adjust the diopter adjustment ring until the image is clear. Refer to Adjust Diopter.

7.3 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.

7.4 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.

Safety Instruction

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

Laws and Regulations

• Use of the product must be in strict compliance with the local electrical safety regulations.

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.
i 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

- The input voltage for the device should meet the Limited Power Source (5 VDC, 2 A) according to the IEC61010-1 standard. Please refer to technical specifications for detailed information.
- Use the power adapter provided by qualified manufacturer. Refer to the product specification for detailed power requirements.
- Make sure the plug is properly connected to the power socket.
- DO NOT connect multiple devices to one power adapter, to avoid over-heating or fire hazards caused by overload.

Battery

- Improper use or replacement of the battery may result in explosion hazard. Replace with the same or equivalent type only. The battery type is 18650 with the protection board, and the battery size should be within 19 mm × 70 mm. The rated voltage and capacity are 3.6 VDC/3.35 Ah (12.06 Wh). Dispose of used batteries in conformance with the instructions provided by the battery manufacturer.
- For long-term storage of the battery, make sure it is fully charged every half year to ensure the

battery quality. Otherwise, damage may occur.

- Do not charge other battery types with the supplied charger. Confirm there is no flammable material within 2 m of the charger during charging.
- DO NOT place the battery near heating or fire source. Avoid direct sunlight.
- DO NOT swallow the battery to avoid chemical burns.
- DO NOT place the battery in the reach of children.
- The battery cannot be charged with external power source directly.

Maintenance

- If the product does not work properly, please contact your dealer or the nearest service center.
 We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.
- Wipe the device gently with a clean cloth and a small quantity of ethanol, if necessary.
- If the equipment is used in a manner not specified by the manufacturer, the protection provided by the device may be impaired.
- It is recommended to reboot the device every 2 hours when using it to ensure the device performance.

Using Environment

- Make sure the running environment meets the requirement of the device. The operating temperature shall be -30°C to 55°C (-22°F to 131°F), and the operating humidity shall be 95% or less.
- DO NOT expose the device to extremely hot, cold, dusty, corrosive, saline-alkali, or damp environments.
- Avoid equipment installation on vibratory surface or places subject to shock (neglect may cause equipment damage).
- DO NOT aim the lens at the sun or any other bright light.

Emergency

• If smoke, odor, or noise arises from the device, immediately turn off the power, unplug the power cable, and contact the service center.

Manufacture Address

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

Hangzhou Microimage Software Co., Ltd.

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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 (http://www.hikmicrotech.com).

Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

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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.

FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. FCC compliance: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- —Reorient or relocate the receiving antenna.
- —Increase the separation between the equipment and receiver.
- —Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- —Consult the dealer or an experienced radio/TV technician for help FCC Conditions

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1. This device may not cause harmful interference.
- 2. This device must accept any interference received, including interference that may cause undesired operation.

Note: Due to the device size limit, the above statement may not be disclaimed on the device. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

EU/UK Conformity Statement



This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the Directive 2014/30/EU (EMCD), Directive 2014/35/EU (LVD), Directive 2011/65/EU (RoHS), Directive 2014/53/EU.



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

Frequency Bands and Power (for CE/UKCA)

The frequency bands and transmitting power (radiated and/or conducted) nominal limits applicable to the following radio equipment are as follows:

Wi-Fi 2.4 GHz (2.4 GHz to 2.4835 GHz), 20 dBm.



Directive 2012/19/EU (WEEE Directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info

According to the Waste Electrical and Electronic Equipment Regulations 2013: Products marked with this symbol cannot be disposed of as unsorted municipal waste in the United Kingdom. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info.



Directive 2006/66/EC and its amendment 2013/56/EU (Battery Directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info.

According to the Batteries and Accumulators (Placing on the Market)
Regulations 2008 and the Waste Batteries and Accumulators Regulations 2009:
This product contains a battery that cannot be disposed of as unsorted municipal waste in the United Kingdom. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info.

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (B)/NMB-3(B) standards requirements.

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

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

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radioexempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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

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ce matériel est conforme aux limites de dose d'exposition aux rayonnements, CNR-102 énoncée dans un autre environnement.

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