



VEOT-AD01

USER MAUNAL FOR 1x35MM THERMAL IMAGE SCOPE

Legal Information

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Regulatory 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

This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.

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.

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 2014/53/EU(RED),Directive 2014/30/EU(EMCD), Directive 2014/35/EU(LVD), Directive 2011/65/EU(RoHS).



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



2006/66/EC (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

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.equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. ce matériel est conforme aux limites de dose d'exposition aux rayonnements, CNR-102 énoncée dans un autre environnement.

Symbol Conventions

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

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

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.

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

- Purchase the adapter by yourself. The input voltage should meet the Limited Power Source (5 VDC, 2 A) according to the IEC62368 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 device supports 3.0 V or 3.7 V rechargeable lithium battery or 3.0 V non-rechargeable dry battery.
- The battery size shall meet the requirements on CR17345 battery according to the IEC60086-2 standard.
- Batteries of improper size cannot be installed, and may cause abnormal shutdown.
- 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.

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 -20°C to 55°C (-4°F to 131°F), and the operating humidity shall be 95% or less.
- 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.
- 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.

Emergency

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

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.

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Chapter 1 Overview

1.1 Device Description

The thermal image scope 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 in patrolling, searching and rescuing, hiking, travel, etc.

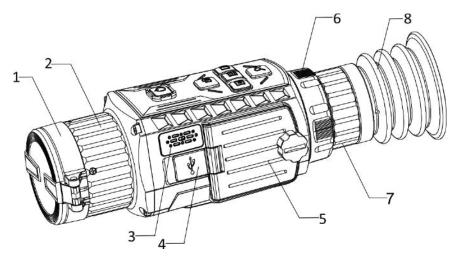
1.2 Main Function

- Hot Tracking: The device can detect the highest temperature in the scene and mark the spot.
- Reticle Correction: The reticle helps you to aim at the target fast and accurately.
- Client Software Connection: The device can capture snapshots, record videos, and set parameters by T-Vision App after being connected to your phone via hotspot.
- Image Correction: The device supports DPC (Defective Pixel Correction) and FFC (Flat Field Correction) which can optimize the image quality.

1.3 Appearance

There are two types of thermal image scopes. Please take the actual product for reference.

1.3.1 Interface



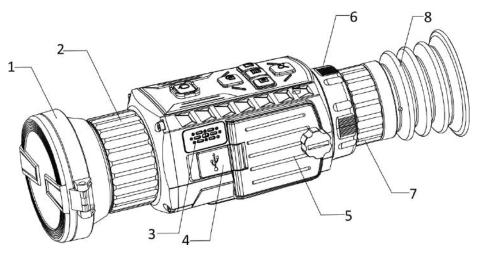
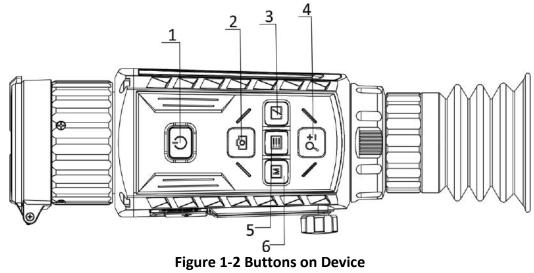


Figure 1-1 Interfaces of Two Handheld Camera Types

No.	Component	Function
1	Lens Cover	Protect the lens.
2	Focus Ring	Adjust the focal length.
3	Microphone	Input audio information
4	Data Exchange Interface	Charge the device and transmit data.
5	Battery Compartment	Install the device battery in it.
6	Fixing Ring	Fix the eyepiece.
7	Diopter Adjustment Ring	Adjust the dioptric correction.
8	Eyepiece	View the target.

Table 1-1 Interface Description

1.3.2 Button



No.	Icon	Button	Description
1	Ċ	Power	Press: Standby mode/wake up deviceHold: Power on/off
2		Capture	Press: CaptureHold: Start/Stop recording video
3		Shutter	Press: Correct non-uniformity of display
4	<u>Pt</u>	Zoom	 Press: Switch digital zoom Hold: Enable/disable reticle
5		Menu	Press: Enable/disable OSDHold: Enter/exit menu
6	M	Mode	Press: Switch palettes

Chapter 2 Preparation

2.1 Cable Connection

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

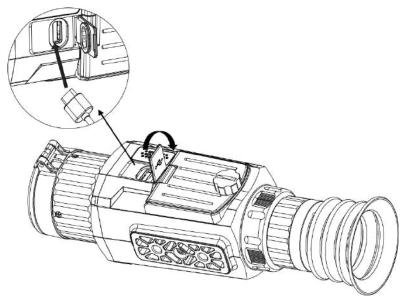


Figure 2-1 Cable Connection

2.2 Install Battery

Insert the batteries into the battery compartment.

Before You Start

- The device supports 3.0 V or 3.7 V rechargeable lithium battery or 3.0 V non-rechargeable dry battery.
- Select the correct battery voltage in the device menu after you install the battery, or it may cause abnormal shutdown.

Steps

1. Rotate the knob anticlockwise to loosen it.

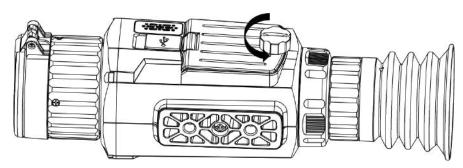


Figure 2-2 Loosen Knob

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

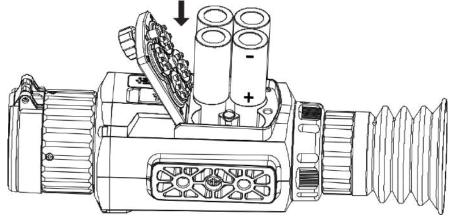


Figure 2-3 Install Batteries

3. Rotate the knob clockwise to tighten it.

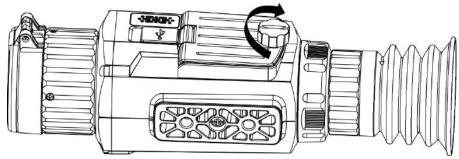


Figure 2-4 Tighten Knob

iNote

Take the battery away if the device is not used for a long time.

2.2.1 Select Battery Type

You can change the battery type as needed. Select the correct battery voltage in the menu of the

device.

Steps

- 1. In the view mode, hold 📰 to show the menu.
- 2. Select **I**, and press **I** to show the dialog box.
- 3. Press \boxed{M} or $\boxed{2}$ to select the required battery voltage or **Cancel**.
- 4. Press 📰 to confirm.

2.3 Install Rail

Before You Start

- Turn off the device first.
- Use the Non-dust cloth to clean the device base and the rail.

Steps

- 1. Install the device to the rail as the arrow shows.
- 2. Insert the screws, and tighten them.

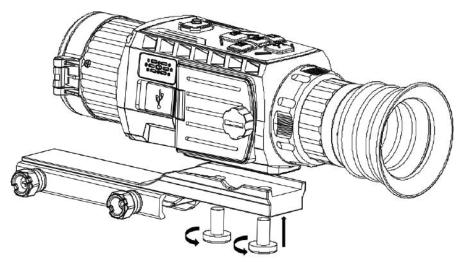


Figure 2-4 Install Device and Tighten Screws

3. Tighten the knobs to secure the device.

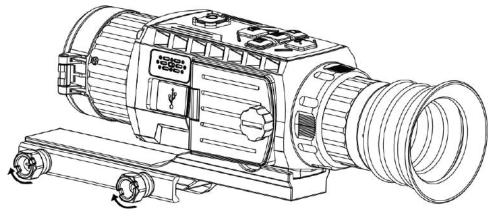


Figure 2-5 Secure Device

2.4 Change Eyepiece

The device can be used as a handheld observational camera or a clip-on scope. You can change the eyepiece to realize different use of the device.

Steps

1. Rotate the fixing ring of eyepiece anticlockwise to remove it.

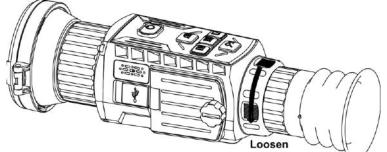


Figure 2-5 Remove Eyepiece

2. Align the eyepiece with the grooves of device, and rotate the eyepiece clockwise to tighten it.

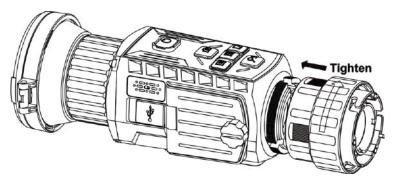


Figure 2-6 Install Clip-on Scope

2.5 Power On/Off

Power On

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

Power Off

When the device is turned on, hold \bigcirc for about 2 seconds to power off the device.

Auto Power Off

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

Steps

- 1. Hold 📰 to go to the menu.
- 2. Rotate the wheel to select 🔘, and press 📰 to select the auto power off time as required.
- 3. Hold 📰 to save and exit.

INote

- See the battery icon for the battery status. I means the battery is fully charged, and means that the battery is low.
- When the low power note 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

When the device is turned on, hold 📰 to show the menu.

- Press M to move the cursor left.
- Press 🗾 to move the cursor right.
- Press 📰 to confirm.

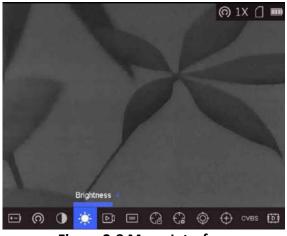


Figure 2-8 Menu Interface

Chapter 3 Image Settings

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

3.1 Adjust Diopter

Steps

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

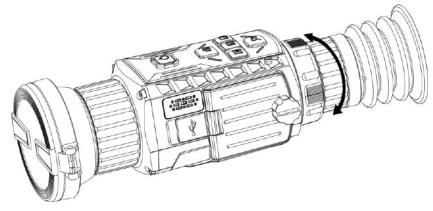
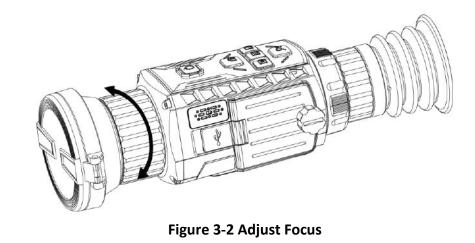


Figure 3-1 Adjust Diopter

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.



iNote

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

3.3 Adjust Brightness

In the menu mode, rotate the wheel to select and press the wheel to adjust brightness. In white hot mode, the higher the value of brightness is, the brighter the image is. The image effect in white hot mode is showed as picture below and effect in black hot mode is opposite.



Figure 3-3 Adjust Brightness in White Hot Mode

3.4 Adjust Contrast

In the menu mode, select **O** and press **E** to adjust image contrast.

3.5 Set Palettes

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



3.6 Correct Defective Pixel

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

Steps

- 1. Hold 📰 to show the menu.
- 2. Select 🛄.
- 3. Press $\overline{\textcircled{0}}$, \mathcal{P}_{\pm} , $\overline{\mathbb{M}}$, and $\overline{\mathbb{Z}}$ to move the cursor to the position of dead pixel.
- 4. Press 📰 to correct the dead pixel.

iNote

The selected defective pixel can be magnified and displayed at the bottom right of the interface.



Figure 3-3 Correct Defective Pixel

3.7 Flat Field Correction

This function can correct non-uniformity of display.

Steps

- 1. Hold 📰 to go to the menu.
- 2. Select 🕀 and press 🧮 to switch FFC mode.
 - Manual FFC: Press M or 2 to select , and press is 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: Close the lens cover, Press M or 2 to select , and press to correct the non-uniformity of display.
- 3. Hold 📰 to save the settings and exit.

3.8 Set Picture in Picture Mode

Steps

- 1. In the view mode, hold 📰 to show the menu.
- 2. Select 🔲 and enter PIP mode.
 - When the reticle is enabled, the PIP view is the detail of reticle.
 - When the reticle is not enabled, the PIP view is the detail of central part.
- 3. Press 📰 to switch the PIP type. **Center** and **OFF** are selectable.



Figure 3-4 Set Picture in Picture Mode

4. Hold 📃 to exit.

iNote

- When reticle is enabled, the PIP view is the detail of reticle. When reticle is not enabled, the PIP view is the detail of central part.
- If digital zoom is enabled, the PIP view also zooms. If the digital zoom ratio exceeds 4, the PIP

does not zoom.

3.9 Adjust Digital Zoom

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

iNote

This function varies according to different camera models.

3.10 Set OSD

You can set the OSD information you want to display on the live view interface. In the live view interface, press 📰 to display or hide the OSD information.

Steps

- 1. Hold 📰 to show the menu.
- 2. Press \square or \square to select \square , and press \blacksquare to enter the OSD setting interface.
- 3. Press i and \mathcal{P}_{\pm} to select the OSD information you want to display or not.
- 4. Press 📰 to enable or disable the selected OSD information.

3.10.1 Synchronize Time

Steps

- 1. Hold 📰 to show the menu.
- 2. Select 🕒, and press 📰 to enter the time setting interface.
- 3. Press 📰 to switch the time system, and press 🔯 and 🔑 to select the time and date to be synchronized.

4. Press 📰 to select the hour, minute, second, year, month, or day to be synchronized, and

press in and \mathcal{P}_{\pm}^{\pm} again to change the number.

5. Hold M to save settings and exit.

Chapter 4 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. Hold 📰 to show the menu.
- 2. Select 🖄 and press 📰 to enable or disable the burn-prevention function.

3. Hold 🗐 to save settings and exit.

iNote

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

Chapter 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.
- 2. Select 📵 and press 📰 to mark the spot of highest temperature.
- 3. Hold 📰 to save settings and exit.

Result

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



Figure 5-1 Hot Tracking Effect

Chapter 6 Aiming Point Settings

6.1 Select Reticle Group

If different users use the same device, the users can configure and save the reticle settings in their respective reticle group.

Steps

- 1. Hold 📰 to show the menu.
- 2. Press \boxed{M} or $\boxed{\square}$ to select \boxed{G} .
- 3. Press 📰 to switch the reticle group.
- 4. Hold 📰 to save and exit.

Result

The right top of the image displays the reticle information. For example, A3-100 m means you are using the No. 3 reticle in reticle group A, and the set range is 100 m.

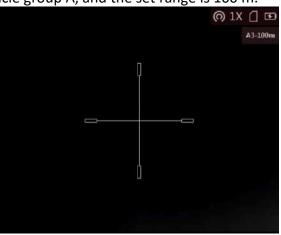


Figure 6-1 Using Reticle

iNote

There are 5 reticle groups in total, and you can configure 5 reticles in each reticle group.

6.2 Set Reticle

You can select a reticle in the current reticle group, and set parameters such as type, color, and

position for the reticle.

Before You Start

Select a reticle group first.

Steps

- 1. In the view mode, hold 📰 to show the menu.
- 2. Press \square or \square to select \blacksquare , and press \blacksquare to enter the reticle setting interface.
- 3. Press 📰 to select a reticle No. You can select **OFF** to disable the reticle.
- 4. Set reticle type.
 - 1) In the reticle setting interface, press $\overline{10}$ or \mathcal{P}_{\pm}^{\pm} to select **Type**.
 - 2) Press 📰 to select a reticle type. 5 types of reticles can be selected.

Reticle 4 3 F Distance 4 100 F Type 4 1 F	
NUMBER OF STREET	
Туре < 1 🕨	
Color	
Freeze	
Zoom 4 1X >	
X=0 Y=0	

Reticle	•		M			A3	10
Distance	•	100	•				
Туре	4	3	Þ				
Color	4						
Freeze	1						
Zoom	4	1X	•				
X=0		1.7	'= 0				

5. Set reticle color.

- 1) Press in O^{\pm} to select **Color**.
- 2) Press 📰 to switch the color of the reticle. White, Green, and Red are selectable.
- 6. (Optional) Repeat 3 to 6 to set color for other reticles in this group.

iNote

When you switch the reticle No., a prompt will appear on the interface. Select **OK** to save the parameters for the current reticle.

- 7. Hold 📃 to exit the interface according to the prompt.
 - OK: Save the parameter and exit.
 - **Cancel:** Exit and not save the parameter.

□ÎNote

- There are 5 reticles can be configured in a reticle group.
- If the PIP function is enabled, the aimed target can be magnified on the interface.

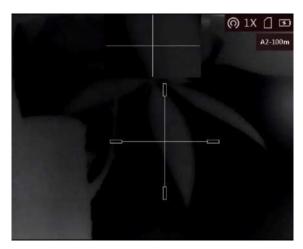


Figure 6-2 PIP Effect in Reticle Mode

• In black hot mode, if you set the reticle color as white, the reticle will display black automatically.

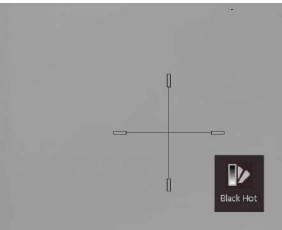


Figure 6-3 White Reticle in Black Hot Mode

6.3 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.

Before You Start

Select a reticle group first.

Steps

- 1. In the view mode, hold 📰 to show the menu.
- 2. Press \mathbb{M} or \mathbb{Z} to select \mathbb{R} , and press \mathbb{H} to enter the reticle setting interface.
- 3. Press 📰 to select a reticle No. you want to correct.

4. Set the distance to the target.

- 1) Press in \mathcal{P}_{\pm} to select **Distance.**
- 2) Press 📰 to select the number you want to change.
- 3) Press \bigcirc or \mathcal{P} to change the number.
- 4) Press 📰 to confirm.

5. (Optional) Press \Box or P_{\pm} to select **Freeze**, and press \blacksquare to enable the function.

iNote

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

6. Set the reticle position.

- 1) Aim the big reticle at the target.
- 2) (Optional) Press or \mathcal{P}_{\pm}^{\pm} to select **Zoom**, and press 📰 to switch the zoom ratio.
- 3) Press or P^{\pm} to select the coordinates, and press 📰 to start adjusting the coordinates.
- 4) Press M and ∠ to adjust the X coordinate, and press and P to adjust the Y coordinate. Move the reticle until it reaches the target position. The small reticle indicates the initial position of the reticle.

Reticle	4	3	×			A3-100n
Distance	4	100	•			
Туре	4		•			
Color	4		۲			
Freeze	- ä)			
Zoom	4	1X	Þ	-		
X=0			(#O			

Reticle	4	3					A3-
Distance	•	100	Þ				
Туре	4		۲				
Color	4		•		n e		
Freeze							
Zoom	4	1X	۲	+			
X=62		Ψ.	-80				

7. (Optional) Repeat 3 to 6 to set the position for other reticles in this group.

iNote

When you switch the reticle No., a prompt will appear on the interface. Select **OK** to save the parameters for the current reticle.

7. Hold 📰 to exit the interface according to the prompt.

- OK: Save the parameter and exit.
- **Cancel:** Exit but not save the parameters.

Chapter 7 Picture and Video

You can manually record video or capture picture when displaying live view.

7.1 Capture Picture

In the live view mode, press for to capture picture.

iNote

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

7.2 Record Video

Steps

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

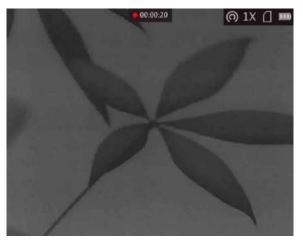


Figure 7-1 Start Recording

The middle 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*.

7.3 Prerecord Video

After enabling this function, the device can automatically record the 7 seconds before and after

the recoil-activation.

Steps

- 1. In the live view mode, hold 📰 to show the menu.
- 2. Press M or 📿 to select 💽.
- 3. Press 📰 to enable or disable this function.
- 4. Hold 📰 to save and exit.

Note

If you activate recoils continuously, the device will record the 7 seconds before the first recoil until the 7 seconds after the last recoil.

What to do next

For exporting recording files, refer to *Export Files*.

7.4 Export Files

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

Before You Start

- Turn off hotspot function.
- Turn on the device after connecting it to your PC, and keep the device on for 10 to 15 seconds before other operations.
- Remove batteries from the device before connecting to your PC, or it may cause device damage.

Steps

1. Connect the device and PC with cable.

iNote

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

- 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 in June 2022, go to DCIM → 202206 to find the picture or video.
- 3. Select and copy the files to PC.
- 4. Disconnect the device from your PC.

Note

- 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 8 Client Software Connection

Connect the device to the T-Vision App via hotspot, then you can capture picture, record video, or configure parameters on your phone.

Steps

- 1. Hold 📰 to show the menu of device.
- 2. Press M or Z to select O.
- 3. Press 📰 to enable the hotspot function
- 4. Turn on the WLAN of your phone and connect to the hotspot.
 - Hotspot Name: Wlan-IPTS Serial No.
 - Hotspot Password: the last 9 digits of serial No.
- 5. Search the T-Vision 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

6. Open the App and connect your phone with the device. You can view the interface of device on your phone.

iNote

- 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.

Chapter 9 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.

Steps

- 1. Hold 📰 to show the menu.
- 2. Press $for P^{\pm}$ to select ress, and press for enable CVBS.

iNote

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

Chapter 10 Language Settings

You can select the device language in this function.

Steps

- 1. Hold 📰 to show the menu.
- 2. Select Aa, and press 📰 to enter the language configuration interface.
- 3. Press \bigcirc or \cancel{P} to select the language as required, and press \blacksquare to confirm.

Chapter 11 Maintenance

This part introduces the operation of checking device information, upgrading device, and restoring to defaults, etc.

11.1 View Device Information

Steps

- 1. Hold 📰 to show the menu.
- 2. Press a or P^{\pm} to select . You can view the device information such as version, and serial No.

11.2 Upgrade Device

Before You Start

- Please get the upgrade package (including Main Firmware and FPGA Firmware) first.
- Make sure the hotspot function is disabled.
- Turn on the device after connecting it to your PC, and keep the device on for 10 to 15 seconds before other operations.

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.

iNote

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

4. Repeat the above steps to upgrade all firmware packages one by one.

11.3 Restore Device

Steps

1. Hold the wheel to show the menu of device.

2. Rotate the wheel to select I and press the wheel to restore the device to defaults according to the prompt.

Chapter 12 Frequently Asked Questions

12.1 Why is the monitor off?

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

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

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

12.3 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.

12.4 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.
- Whether the hotspot function is turned on. If so, go to device menu and turn off hotspot.

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