

Infrared Thermal Imager

Instruction manual

Model: **BTI10**

【Table of contents】

Table of contents	2
Safety guidelines	3
Environment and precautions	3
Product introduction	4
Product structure	5
Charge the battery	6
Install the battery	6
Power on	6
Turn it off	6
• • Landscape observation	7
• • Diopter adjustment	7
• • Focus	7
• • Screen information introduction	7
• • Product button operation details	8
• • Product function button control detailed introduction	9
• • Display screen brightness adjustment	9
• • Contrast adjustment	9
• • False color selection	9
• • Digital Magnification	9
• • Reticle(reticle adjustment and calibration)	10
• • FFC (manual shutter calibration)	10
• • Save	10
• • language settings	10
• • Resume the factory	10
Firmware updates	11
Maintain cleanliness	11
Troubleshooting	11
Warranty	12
Disposal	12
Notice for return of goods	12
Dustproof and moisture-proof	12

Safety Guidelines



blinding risk!

Do not use this product to directly observe strong light sources such as the sun at any time, otherwise it will cause damage to your



Suffocation!

Children must use this product under parental supervision. Please put packing materials (such as plastic bags, rubber bands, etc.) keep away from children, otherwise there is a risk of suffocation!



Choking hazard!

Do not expose the product, especially the lens, to direct sunlight to avoid fire. fire hazard



Risk of product damage!

Do not place in high temperature environment! Do not put night vision goggles in a car in hot weather or under the sun, and keep away from heat generating equipment. These can cause damage to telescope performance.



Do not disassemble the product!

without permission, if the product fails, please contact the dealer, if necessary, The dealer will contact the after-sales service center for maintenance.



Please respect the privacy!

of others, for example, do not use this product to peep into the lives of others.

【Use environment and precautions】



Night vision helmet are precision optical instruments, please handle with care!



To remove dust from the surface of the lens, a soft, oil-free brush should be used; use only a lens velvet cloth or other soft, lint-free cloth (such as microfiber) to clean the lens (objective or eyepiece), Wipe gently to avoid scratching the lens.

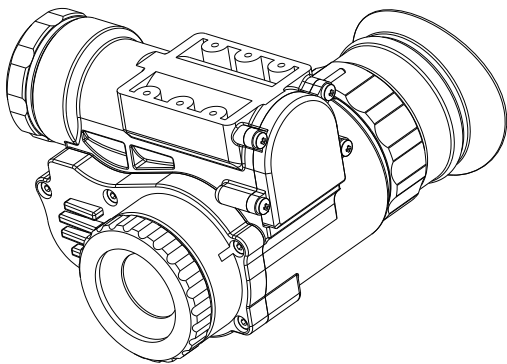
To remove stubborn stains on the lens, use a clean flannel dampened with optical cleaning fluid to wipe, pay attention to gently wipe, do not use excessive force!



Pay attention to dust and moisture! After the waterproof product is used in a high humidity environment, store it after the moisture dissipates and the product dries; the non-waterproof product should not be used in a high humidity environment, otherwise



the product performance may be damaged. After use at the beach, lightly dampen a clean soft cloth with water and wipe off any salt that may remain on the surface of the lens body. If it has not been used for a long time, please thoroughly clean the lens and body, adjust the product to the minimum volume state, turn the hand wheel of the diopter to the lowest position, put it in the lens bag, place it in a well-ventilated and dry place, and add an appropriate amount of drying agent to prevent moisture.



Thermal imaging scope

Model: BT110

Product description:

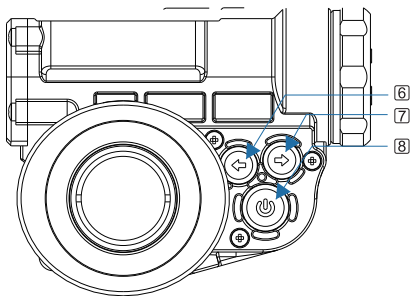
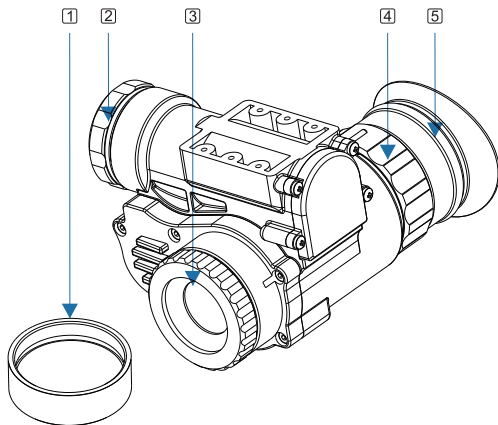
This product selects the most advanced non-refrigerated sensors, advanced passive infrared thermal imaging technology, Resolution 384X288, 12 μm high-frequency sensitivity detector, screen no delay no ghosting, clear and delicate, greatly enhance the observation of comfort, a number of practical functions, to adapt to more use of the scene, delicate shape design small, more portable;

Application:

Wild nature observation, animal search and rescue, emergency search and rescue, police law enforcement patrol, night patrol, individual sport outdoor sports, security patrol, etc.

Features:

- ◆ Four image modes, fusion/red/white/black, can meet more observation needs;
- ◆ The product is compact and easy to carry, and can be worn on the head.;
- ◆ Lithium battery life up to more than 4 hours;
- ◆ Key design intuitive, easy to operate, clear function, easy to operate;
- ◆ Multi-language: built-in Chinese, English, you can choose;



- 1- Objective lens cover
- 2- Battery compartment cover
- 3- Eyepiece adjustment handwheel
- 4- Sight adjustment handwheel
- 5- Anti leakage eye mask
- 6- Left button
- 7- Right click
- 8- On key

【Charge the battery】

Device Battery is 3.7 V lithium battery, model is rechargeable 18650, can provide up to 4 hours of use time. Remember to charge the battery before first use

- a) Putting the battery into the battery charger according to the tips of the positive and negative poles;
- b) Connect the battery charger to the power supply;
- d) After the connection is successful, the power supply indicator lights up and flashes. After charging, the light blue color is usually used to complete the charge

【Install the battery】

This product uses a special removable 18650 rechargeable battery, capacity of 2200mAh, it is recommended to use the original battery to obtain the best performance;

Place the negative electrode of the battery facing inward and the positive electrode facing outward into the battery compartment, and then tighten the battery cover

Installation of battery

【Power on】

Long press  3 seconds above boot, the screen lit up display content;

If the built-in screen is not lit, make sure the battery cover is tight and the direction of the battery (positive facing in, negative facing out), and meet the required minimum operating voltage. Then start the test until the device is working properly. If the device still can not be turned on, please replace another spare battery;

【Turn it off】

Long press  button above 3 seconds, no matter what state the device will shut down.

【 Scene observation 】

After normal startup, remove the objective lens cover and observe from the eye mask. 1 Rotate the eyepiece diopter handwheel to see clearly on the display, 2 Rotate the objective focus handwheel to get a clear image.

【 Diopter adjustment 】

Adjust eyepiece diopter adjust handwheel can adjust the positive and negative diopter to adapt to different eyesight, can clearly observe the image displayed on the display screen.

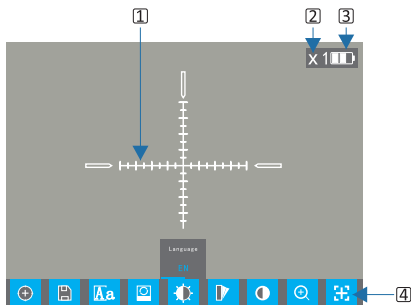
【 Focus 】

- ◆1. Adjust the objective lens focusing hand wheel;
- ◆2. Rotate to the left or right until the image becomes clear;

Note: hand wheel limited device, in the process of adjustment do not force adjustment and damage the knob.

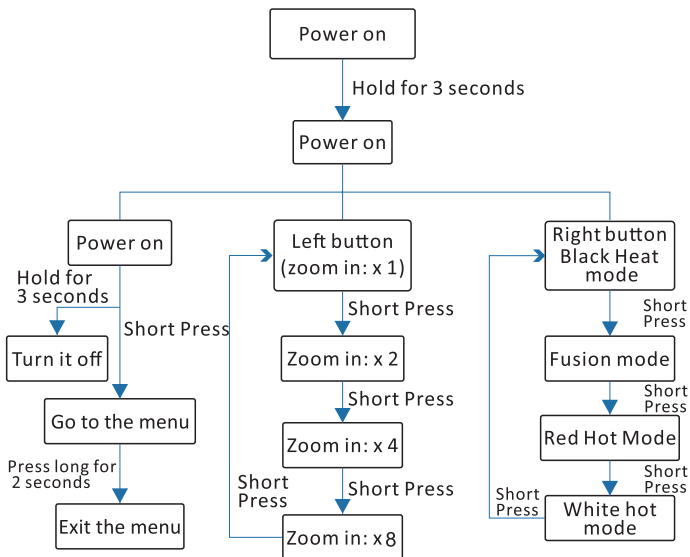
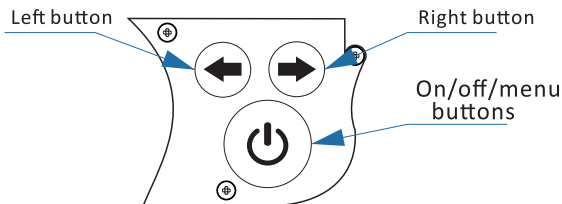
【 Screen Information Introduction 】

Press and hold after startup⏻key to enter the main menu interface, the screen information is as shown in the figure below;



1 Crosshair 2 Digital magnification 3 Battery Power 4 Menu list

【 Product button operation in detail 】



【Product function button control detailed introduction】

Press the button	Product interface	Click	Hold for 3 seconds
			Power on
	The main interface	enter menu	Turn it off
	Menu interface	Enter settings	Back to the home screen
	Sub-menu		Back to the home screen

	The main interface	Toggle digital multiples (x 1, x 2, x 4, x 8)	
	Menu interface	Toggle options	
	Sub-menu	Toggle options	

	The main interface	Switch to image mode	
	Menu interface	Toggle options	
	Sub-menu	Toggle options	

【Screen brightness adjustment】

5 gears optional, left and right switch options Press the Power button to confirm and save the change And go back to the menu



~



【Contrast Adjustment】

5 gears are optional, the left and right button to switch selection, short press the power button to confirm and save the changes and return to the menu.



~



【Color mode selection】

4 false color mode switch, left and right button switch Select the power button and press to confirm and save the changes And return to the menu.



【Digital amplification】

X1, X2, X4, X8 optional, and right button to switch to the power button and press to confirm Save your changes and return to the menu.



~

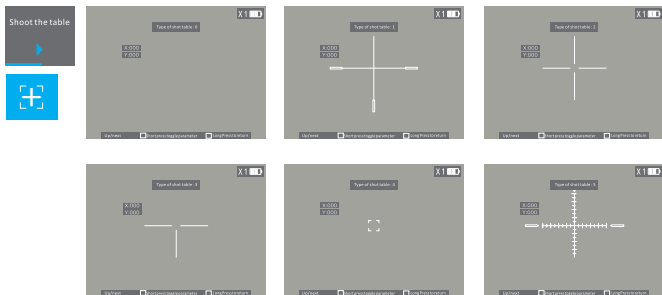


【Reticle(reticle adjustment and calibration)】

6 types of reticle are optional, center coordinate (x, y) values can be changed to switch

Short press the power button: Confirm, switch selection. Up and down keys: Change options and values.

Long press the power button for two seconds: Return to the menu. Go back to the menu and select Save items to save your changes



【FFC (Manual Shutter Correction)】

You can choose automatic, external correction or off, and switch between left and right keys to select the power button Click OK to save your changes and return to the menu.



【Save】

Save the previous changes and press the power button to confirm.



【Language setting】

Chinese and English can be selected. Switch between left and right keys. Select the power button and press to confirm to save the changes and return to the menu.



【Restore factory Settings】

To restore the device to factory Settings, press the power button to confirm, and restore it 2 seconds later Return to the menu successfully.



【Firmware Update】

Please contact the purchasing merchant for updates and instructions.

【Maintenances】

Proper maintenance of the product is recommended to ensure longevity. Attempt to disassemble or repair the device; will void the warranty. It is recommended that when the unit becomes dirty, wipe it with a dry or slightly damp cloth; Wipe clean. Blow dust and debris off all optics, then use the lens; Clean the lens with a cleaning cloth. To remove oily or dry water spots, use a lens cloth or cotton. The sign is dipped in a small amount of denatured alcohol. Clean and dry the lens surface. Finally, again; Exhale to clean the lens. No further maintenance is required;

【Troubleshooting】

Do not return the product without prior authorization. Doing so may result in multiple Loss of the product due to any reason, i.e. sending it to the wrong address and related Unexpected package for other issues

◆ This unit will not turn on:

1. This product uses a special battery, please be sure to use the factory-configured battery and charger;
2. Check if the battery power is sufficient. If necessary, reinstall the battery;
of the infrared light, if not detected;
If the infrared light changes, the device may need to be returned for repair;

Image is darker:

Make sure to open the filter cover on the objective and turn on the IR illuminator. adjust accordingly;
Display brightness and IR illuminator brightness for bright and clear images;

◆ There are bright spots or black spots on the display

1. The dots appearing on the display are caused by the sensor production technology, not a defect.

◆ The image is out of focus:

1. Make sure there is no dust or condensation on the objective or eyepiece;
2. Make sure to adjust the eyepiece diopter settings for your specific vision until you can see the product clearly; content on the internal display of the product;

3. After making sure to see the contents of the display clearly, adjust the focusing hand wheel on the side of the objective lens;
Adjust focus for different viewing distances;

◆Image flickering:

This is common if the unit is looking at or pointed in the direction of a bright light source. please stand;
That is, stop looking at bright light sources. If blinking under normal viewing conditions, then it may be caused by low battery power, please charge it in time. The device needs to be returned for repair;

【Warranty】

The warranty period is one year from the date of purchase, please keep the proof of purchase in a safe place. If you have any questions about the product, please contact our distributor first. Many questions and doubts can be resolved under telephone guidance. If it still can't be solved after telephone guidance, you can send the product to our customer service center for repair. If the fault occurs outside the warranty period or man-made damage is not covered by our warranty terms, we will carry out paid maintenance.

【Disposal】



Properly dispose of packaging materials by category, such as paper or cardboard; dispose of equipment in accordance with current regulations. You can learn more about proper disposal of waste from your local waste disposal service or the Environmental Authority.

【Goods Return Precautions】

Always confirm that the product is properly packaged and properly protected before shipping/ mailing; use the original packaging whenever possible;
Please attach the purchase certificate and warranty card, and a note briefly explaining the product failure, return recipient, contact information, and detailed address; if you need help, please visit:
www.binock.com/helpcenter



Note: dust and moisture!

After the waterproof products are used in high humidity environments, when the humidity dissipates the product dry, it will enter Storage and storage;

Do not use waterproof products in a high humidity environment, otherwise it may cause productivity Can damage;

After using it by the beach, use water to slightly infiltrate and clean soft rags, and erase the surface of the mirror body The salt points that may be left on the top;

If it is not used for a long time, please clean the lens and fuselage thoroughly, put the product in the mirror bag, put it Put it in a well -ventilated place, and add an appropriate amount of desiccant for moisture -proof;



