SHINENYX

Thermal+nightvision fusion monocular

G1 A



Catalogue

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Revisions History

Versions	Revisions History	Comment
1.0	First Edition	2024.5.15

SHINENYX

1. Product Overview

G1A is a electronic monocular used for observation,equipped with both night vision and thermal cameras.During day and night,it present high quality image with not only prominent target but also rich details of surrounding environment. It is very useful tools for searching/scanning/confirming target.

G1A is lightweight and small size,easy to carry and hold,can be used as single hand monocular. It can also be used as scope or goggle with accessories.

G1A can work at extreme condition like high-low temperature, high humidity and heavy rain. It is robust,reliable and ergonomic,very easy to use like a hammer.

2. Product Features

- Thermal+nightvision dual cameras.
- Excellent image quality.
- Easy to use like hammer.
- Ergonomic, light and small. Excellent night vision.

3. Product Parameters

<table>
<tr><td colspan="4">G 1</td></tr>
<tr><td colspan="2">Dual-camera</td><td>Low-light</td><td>Thermal</td><td>Fusion</td></tr>
<tr><td colspan="2">Resolution</td><td>1600×1200</td><td>384×288</td><td>1600x1200</td></tr>
<tr><td colspan="2">Video color</td><td>black&white</td><td>black&white</td><td>false color</td></tr>
<tr><td colspan="2">Frame rate</td><td colspan="3">50fps</td></tr>
<tr><td colspan="2">Display screen</td><td colspan="3">2.1inch, 1600×1200</td></tr>
<tr><td colspan="2">Field of view°</td><td>60.4x47.1</td><td>45.8x35.2</td><td>60.4x47.1</td></tr>
<tr><td colspan="2">Magnification Factor</td><td colspan="3">1.0X</td></tr>
<tr><td>Detection range</td><td rowspan="2">Detection Performance (Hog size Target)</td><td colspan="3">200 yards</td></tr>
<tr><td>Identification distance</td><td colspan="3">100 yards</td></tr>
<tr><td colspan="2">Battery Life</td><td colspan="3">7h</td></tr>
</table>

Operating Temperature	-4° F~+131° F
Storage Temperature	-40° F~+140° F
Ingress Protection	IPX5
Size(mm)： without shock absorber	with eyepiece cover：177 x 74 x 68 without eyepiece cover: 124 x 59 x 68
Weight	With batteries ≈16.76 ounce
Other Features	Electronic Compass/ Type C Interface

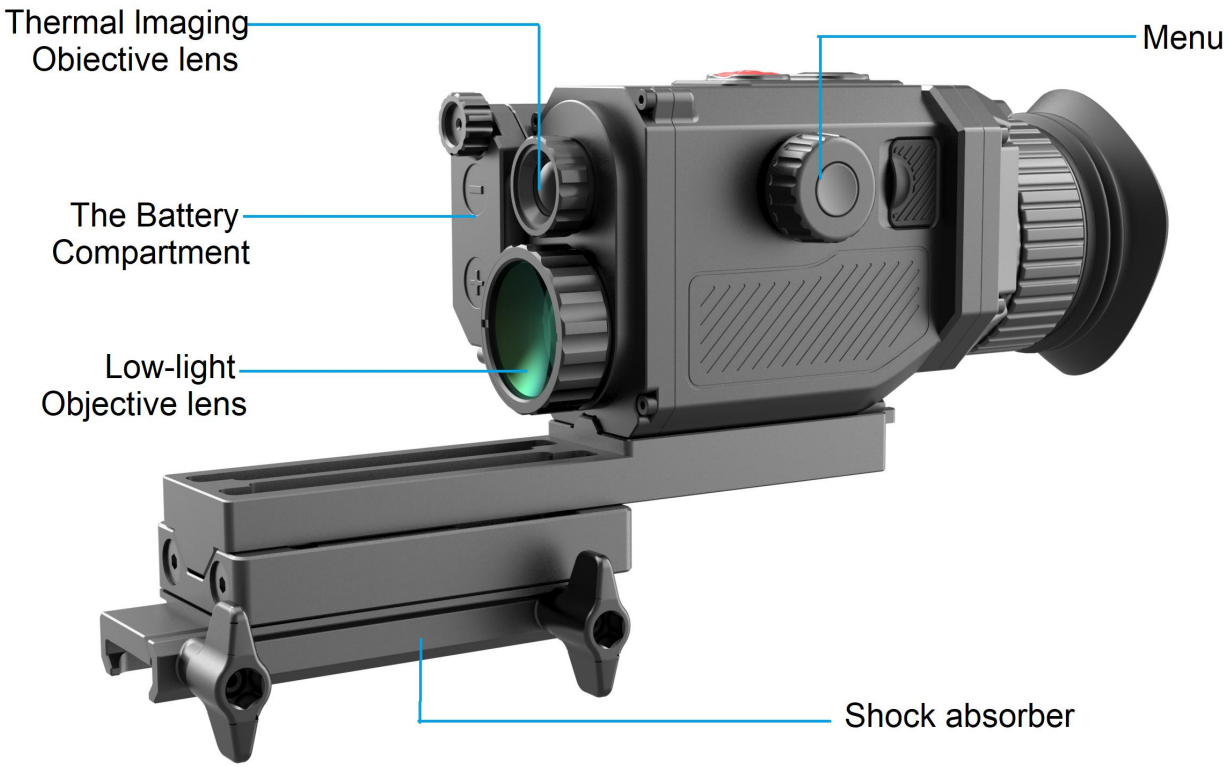
4. Product Illustration

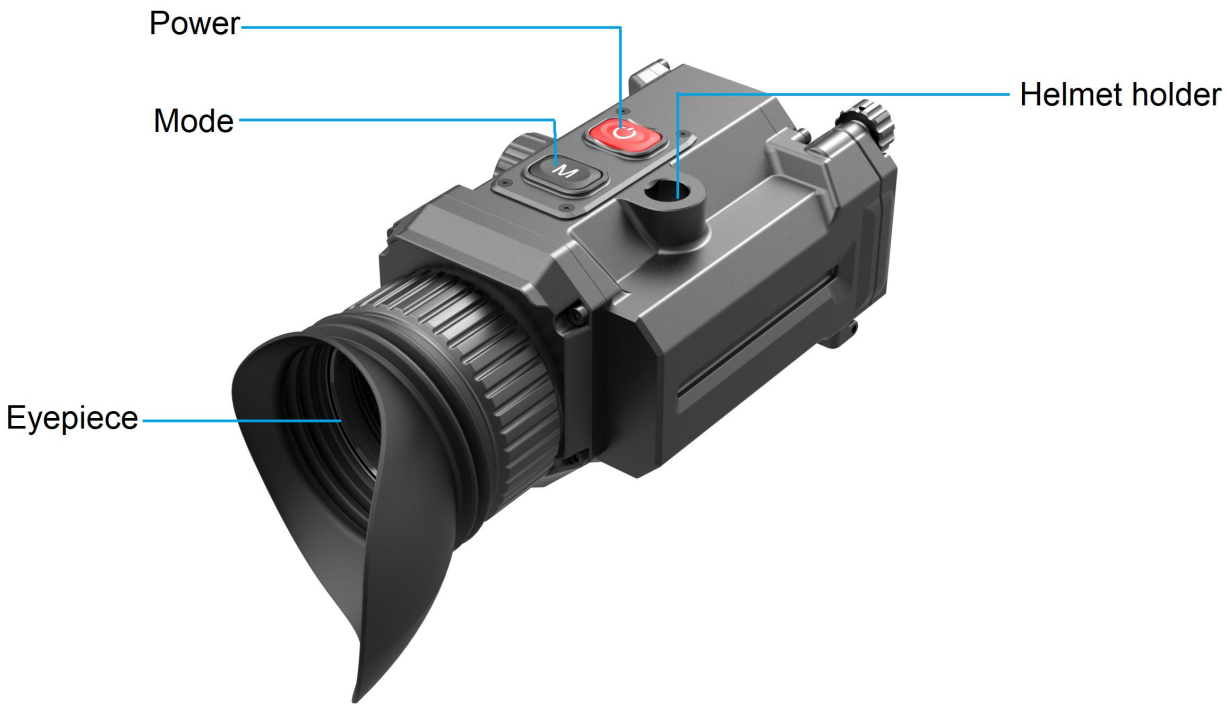





M

5.Product Usage





(1) Push the battery compartment button and the battery compartment will pop up automatically

(2) Install your battery first.

(3) Press the <Power> key for 3 seconds to start observing objects through the eyepiece.

(4) To turn off, press the <Power> key for 3 seconds.

(5) After switch-on, the camera system will automatically choose the most suitable start-up among White-Light, Fusion, Low-Light and Thermal Imaging mode according to environmental illumination.

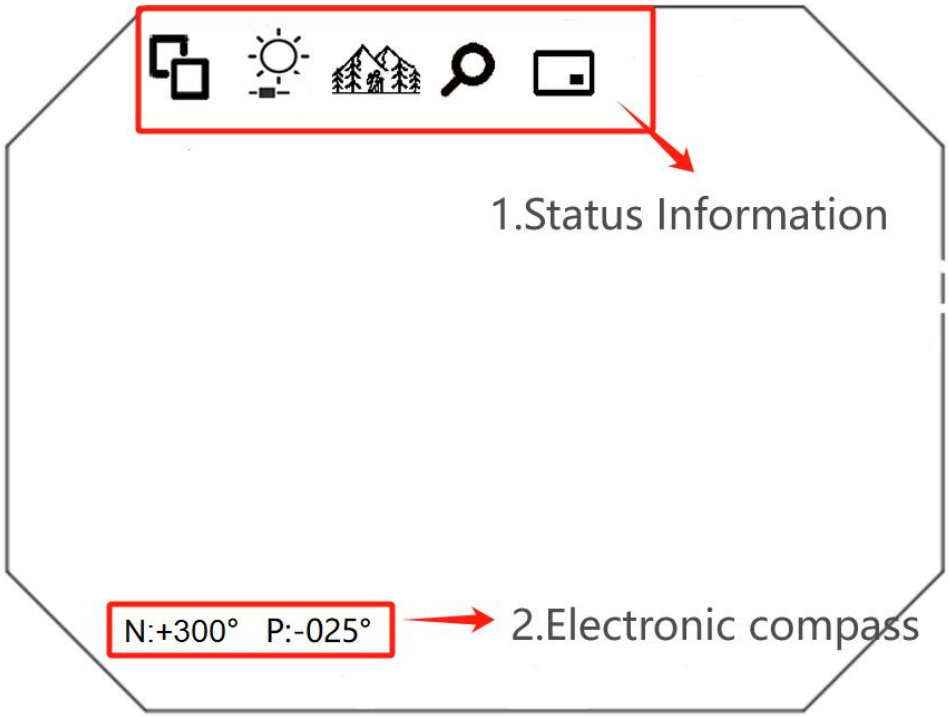
(6) Rotate the eyepiece to adjust the view until the cursor on the screen is the clearest.

(7) In Low-Light and Thermal Imaging mode, rotate the focusing knob until the object is perfectly focused. In Fusion mode, adjust the focus well in Low-Light and Thermal Imaging mode.

(8) Short press the <MODE> button to switch the camera mode. The images observed in the eyepiece will appear in the following order: MF1 , MF2 ,Low-Light and Thermal Imaging.

(9) Short press the <Menu> knob, the Menu icon will appear on the screen. Rotate the <Menu Knob> to select the function, then short press the <Menu> knob to confirm.

6.Menu Interface



(1) Status Information(As shown above):

Mode, Display brightness, Target highlight, Digital zoom, Picture-in-Picture.

(2) Electronic compass： Azimuth, Pitch Angle.

7.Operation Description

Default instructions：

- Press the menu knob to access the main menu
- Rotate the menu wheel to select the desired menu item
- Tap to access the menu item
- Rotate to select the required gear, short press to determine

Item	Icon	Designation	Number of Gears	Illustrate
1		Mode	4	**Mode:** • 4 Modes: MIF 2 Mode(1), Thermal Imaging(2), Low-light(3)and MIF 1 Mode(4). •Use <Mode> button to switch the mode.
2		Display brightness	6	**Display brightness:** • The brightness level is between 1 and 6, Higher level means higher display brightness.
3		Target Highlight	3	**Target Highlight:** • 0:no target highlight. • 1:target highlight always on. • 2:target partly hidden and partly highlight.
4		Digital Zoom	4	**Digital Zoom:** • The 1/2/3/4 gear corresponds to the x1/x2/x4/x8 multiplier.

5		Picture-in-Picture	3	**Picture-in-Picture：** • This function only works in thermal imaging mode • 0-3 are picture in picture in thermal imaging mode (2,3 is dark light enhancement).

8.Precautions

- When the operating environment of the equipment changes from low temperature to high temperature, it is necessary to heat the equipment first. Otherwise, the use of the equipment will be affected, because there may be water mist on the lens.
- When used in temperature below -40℃, the battery needs to be placed in a warm place (such as a chest pocket) before the device is turned on.
- Only approved accessories and battery accessories should be used, rather than using incompatible products.
- It is recommended to use a good quality 18650 battery, because the use of inferior batteries will not only affect the use effect, but also easy to damage the equipment
- Contact with rain or fog, falling, bumping, and other behaviors will damage the equipment.
- It is not recommended to clean your lens frequently. Lens paper or cloth can be used when wiping.
- To prevent battery damage, the battery should be removed, when the device is not used for more than two weeks.
- To avoid moisture exposure to the lens, the device should be placed in a dry, ventilated place.
- Personnel who install or repair moldy equipment need certain qualifications.
- In order to avoid injury to the human eye or damage to the rangefinder, it is necessary to pay attention to the operation specification when using the rangefinder.

9.Packaging and Accessories

- 1Thermal+nightvision fusion monocular
- 2 x 18650 batteries
- 1 portable soft pack