

Head-mounted thermal imager Multifunctional thermal imager

Product Manual



EGM-M Series











Dear user:

Thank you very much for choosing our multifunctional thermal imaging device.

Please read the manual carefully before using it for the first time! After reading,

please keep this manual properly for easy reference in case of any problems

encountered during use! Users need to carefully understand and comply with the

operating procedures in this book to avoid component damage caused by

improper operation! If there are any changes to this manual due to version

upgrades or other reasons, our company will not notify you separately!



Usage and precautions



- Do not open the casing without authorization, as there are no user repairable parts inside the machine.
- Maintenance matters are only carried out by professional personnel of our company.
- Regardless of whether the machine is turned on or off, it is strictly prohibited to directly aim the lens at a strong high-temperature radiation source (such as the sun) to avoid causing the equipment to malfunction.
- Do not shake or collide the equipment strongly during use and transportation. The equipment should be stored in a cool, dry, ventilated environment without strong electromagnetic fields.
- Prevent oil and various chemical substances from contaminating and damaging the surface of the lens.
- After use, immediately remove the battery to avoid the risk of battery fluid leakage.





1. Product description

This infrared thermal imaging device (hereinafter referred to as the thermal imaging device) can be used in three ways: handheld observation, thermal imaging gun aiming, and head mounted. It is suitable for various use scenarios such as outdoor hunting, military training, and animal observation.



Hand-held

Serial thermal imaging gun sight Independent thermal imaging gun sight Headwear monocular Wearing glasses on the head











3、Function

3.1、Key function







3.2、Battery installation

Unscrew the battery compartment cover and install the battery according to the positive and negative poles, with the positive pole facing inward and the negative pole facing outward.







3.3、Clarity adjustment

After long pressing the POWER button to turn on the device, adjust the clarity by rotating the lens. You can try turning the lens left or right until the display image becomes clear, as shown in the following picture.







3.4、 Refractive adjustment (visual adjustment)

Adjust the diopter (visual acuity) through the eyepiece when turned on. You can try turning the eyepiece to the left or right until the image under your eyes becomes comfortable, as shown in the following picture.

Rotate the eyepiece to the left or right Achieve optimal visual observation with the eyes





3.5、Red laser indication

In the power on state, short press the POWER button to turn on the red laser indicator light, and short press again to turn off the red laser indicator light.







4、Connect helmet

4.1、Overall picture







5, Fold upwards

Press this button to lift the thermal imaging device until it can be lifted onto the helmet, as shown in the image on the right.







6、Side folding



Turn this dial inward You can flip the thermal imaging device to the side As shown in the figure on the right





7、Flip bracket



Fold the thermal imaging device 90 degrees to the left as a whole

As shown in the following figure





8、Menu settings

8.1 Press and hold the MENU button while the device is turned on



, enter menu settings,

various indicators can be set, the following figure.







8.2、Screen display information

When turned on, the lower left corner of the display screen indicates the magnification ratio

, You can use the ZOOM button to zoom in on numbers //(____

left corner of the display screen 🤌 #01

。Second column in the bottom

, Color palette representing the imaging colors of a

thermal imager, There are 8 color palettes to choose from, #1white hot, #2black hot, #3rainbow,

#4iron oxide red、#5red hot、#6brown、#7dim light、#8white phosphorus。











8.3、 8 color palettes



#8white phosphorus

#7dim light



#6brown



#5red hot



#4iron oxide red



#3rainbow



#2black hot



#1white hot





8.4、Cross pattern

In the startup state, Long press the MENU button to enter the menu options, select the pattern

and enter, there are eight types of dividing lines to choose from, the following figure.





Night Vision Evolved: Thermal Targeting Systems That Illuminate Threats, Eliminate Doubt, and Empower Decisions When Every Shadow Matters.

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