MILESEEY®

MONOCULAR THERMAL IMAGING NIGHT VISION DEVICE

User Manual

Product Overview

Thank you for purchasing and using Mileseey monocular thermal night vision, please read the manual carefully before using.

Mileseey TNV10 is a hand-held night vision with advanced passive infrared thermal imaging technology. TNV10 can be used normally during the day and night, with functions such as hot tracking and photographing. It obtains 5 imaging mode of white heat, black heat, red heat, green heat and iron heat, can meet the observation needs of different scenarios.

TNV10 internally installed with an infrared detector with 256*192dpi, and a LCOS HD screen. The device adopted with special DDE imaging enhancement technology, makes the imaging more clear and delicate. The detecting range of TNV10 is 550 meters, and the magnification can be 1X, 2X and 4X.

TNV10 possesses super long battery life of 15 hours, and it has the firm appearance with IP65 and 1m dropping resistance, it is an excellent auxiliary means for observing and searching in outdoors.

Safety Instruction

In order to ensure the safe use of the product, please use the product in accordance with the instructions, otherwise there will be no free warranty after the product is damaged.

If the product breaks down or is damaged, please do not disassemble the device for maintenance. Please contact the local dealer or our company for maintenance in time.

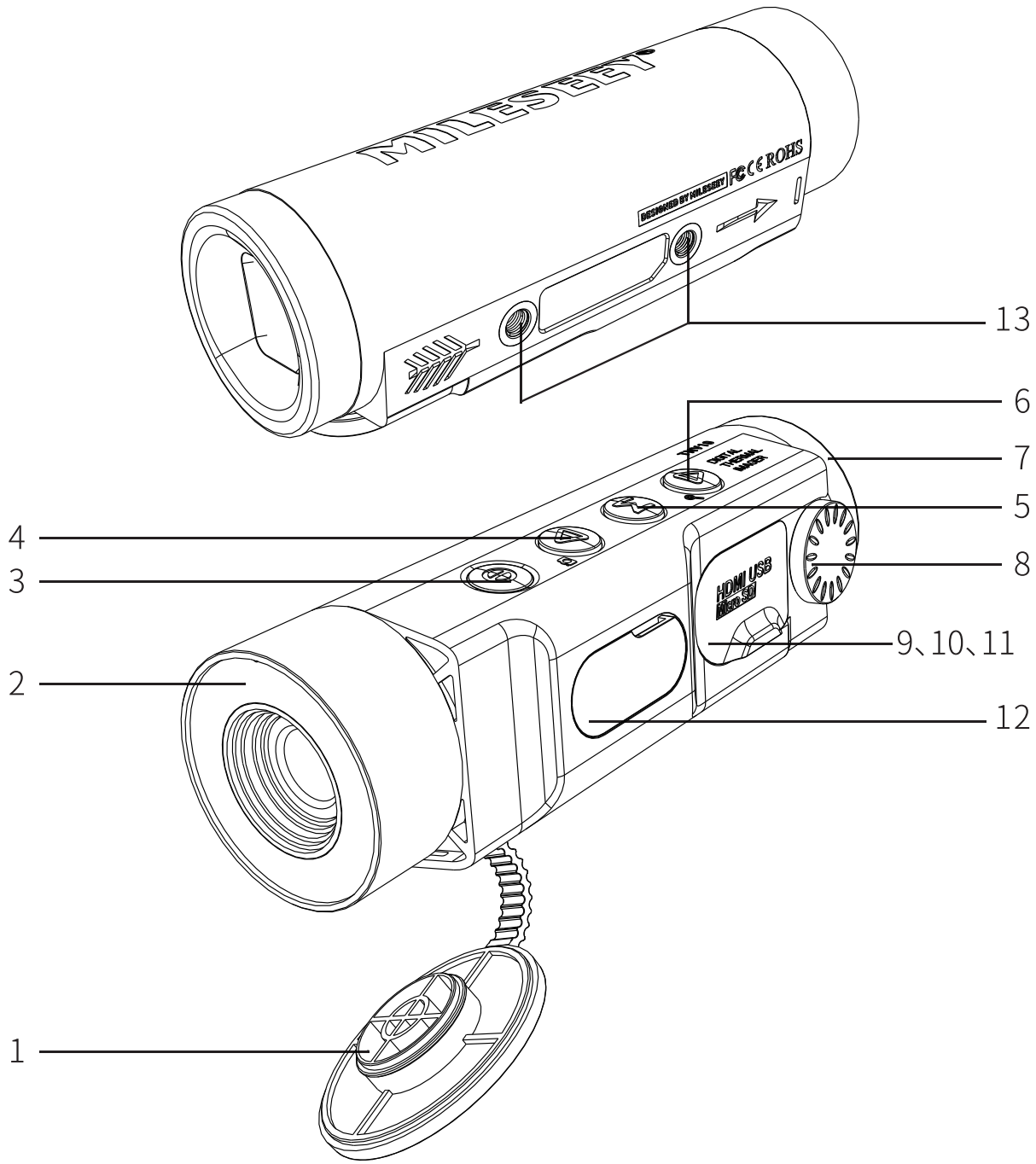
Please clean the with wet cloth or weak soap solution. Do not use abrasive, isopropanol or solvent to clean the device housing, lens and interfaces.

Please do not use this device in flammable, explosive, steam, humid or corrosive environment.

Do not aim the lens at the sun, laser and other high-energy light sources, otherwise it will cause irreversible physical damage to the lens or thermal imaging detector.

The device has a built-in lithium battery. Please charge it in the environment of 0 °C - 40 °C, otherwise the charging function will be turned off automatically.

Apperance


MILESEEY
DESIGNED BY MILESEEY
FC CE ROHS
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HDMI USB
Micro SD
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1.Lens Protector

2.Objective Lens

3.Power Button

Long press power on/off;

Short press range measurement (carried with range measurement module only).

4.Photograph Button

Short press to save the image.

5.Mode Button

Short press to switch imaging mode.

6.Magnification Button

Short press for electronic magnification of 1X, 2X, 4X;

7.Eyepiece

8.Eyepiece Rotary Knob

9.Micro SD Card Port

10.Mini HDMI Port

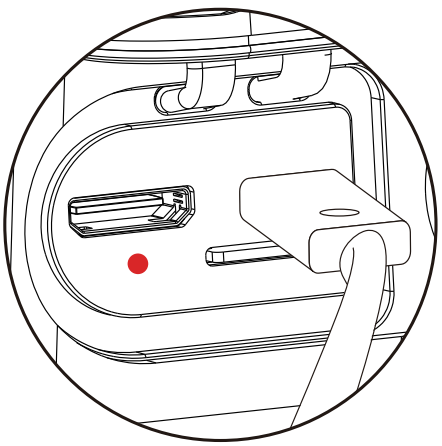
11.Type-C Port

12.Range Measurement Module Port

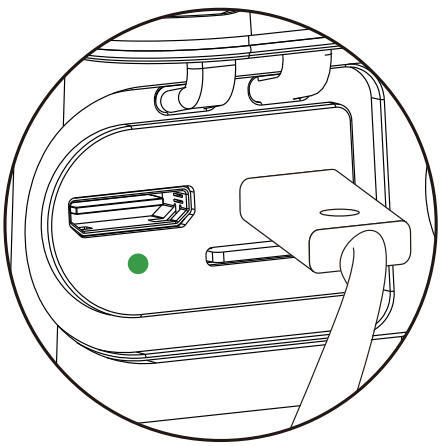
13.Hand-Held Screen Frame/Tripod Port

Charging

This device uses large capacity 4500mAh lithium battery, the electric quantity shows on the top right corner of the screen when power on. When the device is on low power condition, please use the original USB cable to charge. The power light is red means the device is charging,green means the charging is finished.



Charging



Full Charged

Power On/Off

Press ⏻ the power button 1.5s to turn on the device,
Press ⏻ the power button 1.5s to turn off the device。

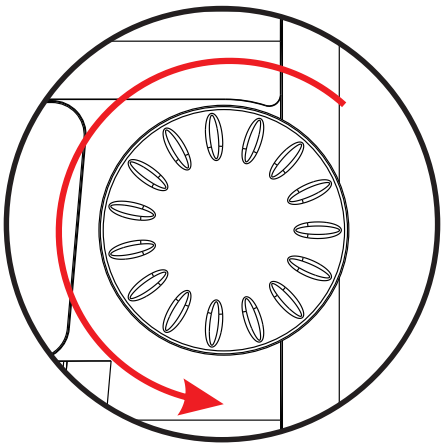
Attention：

1.When the device performs abnormally during using, it can be forcibly turned off by long pressing power button ⏻ for 7 seconds.

2.The device can work 16 hours in normal temperature, when no using the device, please check the power is off or not, so as not to affect the operation.

Diopter Adjustment

Adjust the eyepiece knob to focus on the target.



Electron Amplification

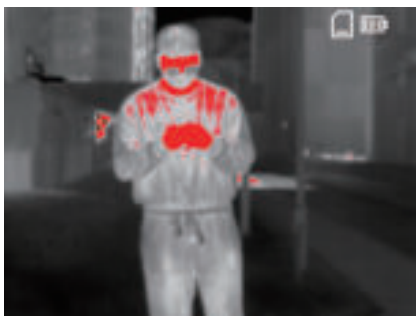
Short press the ▽ to switch electron amplification times to 1X, 2X, 4X.

Imaging Mode

Shortly press the Ⓜ to switch five imaging modes: red heat, black heat, white heat, green heat, and iron red.

White Heat

Black Heat



Red Heat

Iron Red

Green Heat

Photograph

Short press the ⏏ to save the image to the inner memory card.

Image Export

After the device is connected to the computer through the USB cable, long press the ⏻ to turn on the device. At this time, the device is used as a mobile storage device. The computer automatically recognizes the device and can directly read the files of the device's memory card through the computer.

Hot Spot Tracking

After the device turned on, it automatically turned on the hot spot tracking function in the 1X status. The hot spot icon is displayed on the screen to track the real time highest temperature point in the image.

Laser Ranging

The device can be connected with an external laser ranging module (optional) to realize the ranging function. When the device is connected to the ranging module through a USB cable, turn on the power of the laser ranging module, the device screen will display a cross cursor, aim the cursor at the target, press the ⏻ power button to measure the distance, and the target distance will be displayed on the screen.

External Display

There is a 1/4-inch tripod interface at the bottom of the device, which can be connected to a hand-held screen stand (optional). After connecting the device with the external screen by the Mini HDMI cable, you can directly watch the device image on the external screen.

Technical Parameter

Infrared Resolution	256*192
Pixel Size	12μm
NETD	＜40mk
Lens Focal Length	11mm(F1.0)
Field of view	14.5° x 11°
Display	720x576, LCOS HD Screen
Detection Range	550m
Electronic Zoom	1X, 2X, 4X
Photograph	640*480, BMP Format
Imaging Mode	Red Heat, Black Heat, White Heat, Green Heat, Iron Red
Diopter Adjustment	Support
Hot Spot Tracking	Support
Laser Ranging	Compatible
Operating Temperature	-30°C~60°C
Waterproof	IP65
Battery	4500mAh Li Battery
Charging/Data Interface	Type-C
Output	Support Mini HDMI、Micro SD (Maximum Expansion 32GB)
Size	156.5x51x47mm
Weight	310g