

User Manual

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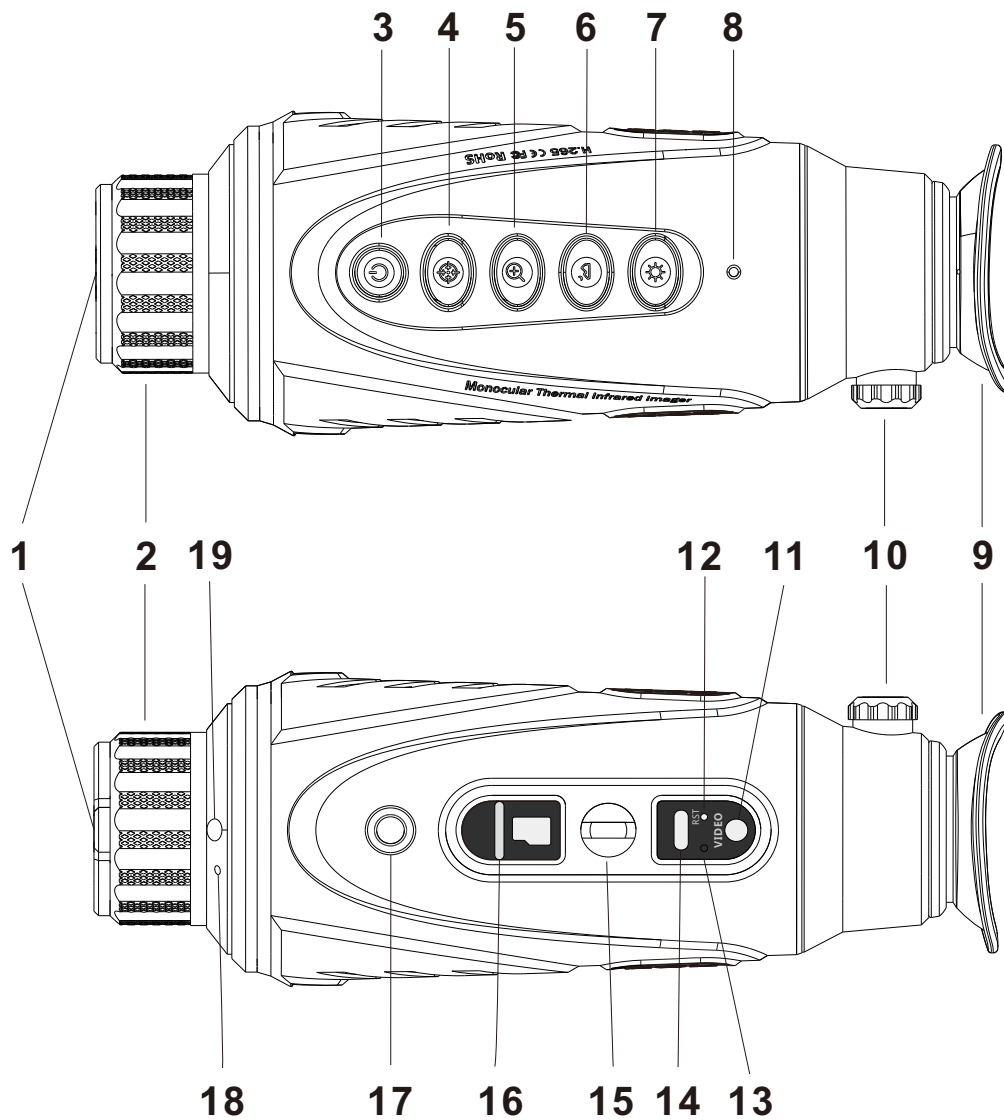
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PRODUCT PART GUIDE



- 1. Lens cover
- 2. Infrared lens
- 3. Power key
- 4. Lazer key
- 5. Zoom key
- 6. Mode key
- 7. Light key
- 8. Power indrect led
- 9. Shading cover
- 10. Refraction adjust
- 11. Video output
- 12. Reset key
- 13. Charge indicate led
- 14. Charge port
- 15. Rope hole
- 16. Tf card slot
- 17. Bracket screw hole
- 18. Pickup head
- 19. Laser transmitter

OPERATION GUIDE

1. POWER ON

Long time press the **POWER KEY**  as 4 seconds

2. POWER OFF

Long time press the **POWER KEY**  as 4 seconds







3. LENS FOCUS ADJUST

Turn round the part 2, you can adjust the focus as your want.

4. REFRACTION ADJUST

Turn round the part 10, you can adjust the refraction to fit your view.

5. RECORD VIDEO and SET

Plug the tf card in the part 16 as power off, long time press the **RECORD KEY**  as 3 seconds, then imager start recording and display **REC** on top right corner , the next time, long time press the **RECORD KEY**  as 3 seconds, then imager stop recording and display **REC STOP** on top right corner. Press the **RECORD KEY + LASER KEY** ( + ), for choice if record the OSD info, if have OSD will display on the top right corner. Press the **RECORD KEY + ZOOM KEY** ( + ), for choice the video encoded stand H.264 or H.265, the result will display on the top right corner.




6. TAKE PHOTO

Short press the **RECORD KEY**  less than 1 second mean take a photo .

7. CHARGE

Connect the charger from the charge port , the charge indicate led is light up, the led went out when the battery is fulfilled.


8. TURN ON LASER & SET CROSSHAIRS

Press the **LASER KEY**  , the laser power on , as display the cross division line on the screen, Press the **LASER KEY + ZOOM KEY** ( + ) at the same time, the CROSSHAIRS will switch.

9. ZOOM & HOT POINT

Press the **ZOOM KEY**  , the zoomed video will switch between the 1X,2X,4X,8X, press **ZOOM KEY + MODE KEY** ( + ),start hot point mode.

10. Color Palettes MODE

Press the **MODE KEY**  , the imager work mode will switch between the white hot, black hot, red hot, rainbow, fake blue.

11. SCREEN LIGHT ADJUST

Press the **RECORD KEY + MODE KEY** ( + ) at the same time, the screen light will switch from 1 to 10.

6. RESET

Press the reset key by a needle.

TECHNICAL PARAMETER

| Model | MII-S 15 | MII-S 19 | MII-S 25 | MII-S 35 | MII-S 50 |
|--------------------------------------|--|--------------|-----------------|------------|-----------------|
| Detector | | | | | |
| Detector Type | 384×288 @ 12 μm, Vox | | | | |
| Spectral | 8μm ~ 14μm | | | | |
| NETD | ≤ 50mk | | | | |
| Lens | | | | | |
| Focal Length | 15mm/F1.2 | 19mm/F1.1 | 25mm/F1.1 | 35mm/F1.2 | 50mm/F1.2 |
| Focusing | Fix Focus | Manual Focus | | | |
| FOV | 25.0°×19.0° | 19.0°×14.5° | 15.4°×11.6° | 11.1°×8.3° | 7.8°×5.8° |
| Display | | | | | |
| Screen | 720×540, 0.4 inch, Color LCOS Display (Feel like watching 21 inch screen at 1 meter) | | | | |
| Eyepiece | Monocular, Exit pupil ≥ 10mm, Adjustable diopter - 4 + ~2 | | | | |
| Magnification | 1.1~4.8 | 1.5~5.6 | 1.7~6.8 | 2.3~9.2 | 3.3~13.2 |
| Audio & Video | | | | | |
| Frame Rate | 50Hz / 25fps | | | | |
| Digital Zoom | 1X~8X | | | | |
| Color Palettes | White Hot, Black Hot, Red Hot, Rainbow, Fakeblue | | | | |
| Video Record Standard | H.265 / H.264 | | | | |
| Audio codec | G.711 | | | | |
| Power Supply | | | | | |
| Battery Type | Internal Li-ion battery (2x18650, 6800mAh) | | | | |
| Working Time | ≥ 10 hours | | | | |
| Interface | | | | | |
| USB | TYPE C (USB 2.0 standard) for charging(data tranmission only for manufactuer) | | | | |
| Video Output | Analog video (PAL) BNC | | | | |
| Memory Card | 64 GB | | | | |
| Environmental Characteristics | | | | | |
| Operating Temperature | -10℃ ~ 50℃ | | | | |
| Storage Temperature | -30℃ ~ 60℃ | | | | |
| Encapsulation | IP66, 1-meter drop test | | | | |
| Certificate | UN38.3 (Battery certificate), RoHS, CE, FCC | | | | |
| Weight & Dimensions | | | | | |
| Weight | 450g | 475g | 500g | 515g | 565g |
| Dimensions | 190mm×68mm×71mm | | 200mm×68mm×71mm | | 220mm×68mm×71mm |
| Package Contents | | | | | |
| Standard | Power adapter, USB cable, 64G Micro TF Card, TF Card reader, Lens cover, Wrist strap, Shoulder strap, Lining package, Quick Start Guide | | | | |
| Optional | External screen and etc... | | | | |

IMPORTANT WARNING



Don't to look the sun directly through this imager



Keep away from high temperature and hot objects



**Avoid using thermal imager when charging
There is a risk of accidental damage**



Take care to protect the lens, only use a soft glasses cloth to wipe