# CY800-RL

## *OPERATION MANUAL*

CLEAR IMAGING ◀
NIGHT AS DAY ◀
PRECISE CAPTURE ◀
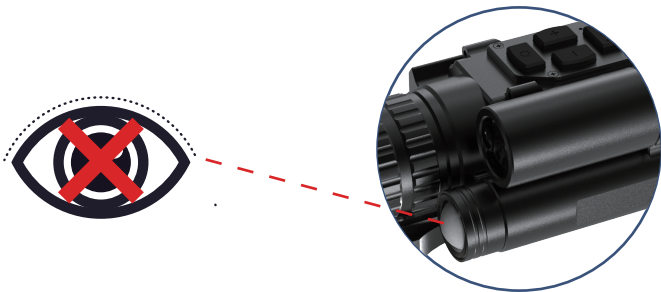
# 目录 / CONTENTS

1.  Do not look directly at the IR infrared fill light at close range, otherwise it may cause harm to the eyes!

2.  The infrared light of this product will accumulate a large amount of energy when turned on. It is strictly prohibited to aim at flammable objects at close range, otherwise it may cause a fire. When not in use, please turn off the IR infrared fill light!

3.  Please use a lithium-ion rechargeable battery with a rated voltage of 3.7V!

4.  Do not open the casing without authorization. If a malfunction occurs, please contact the manufacturer in a timely manner. Otherwise, it will be considered as a waiver of warranty service.
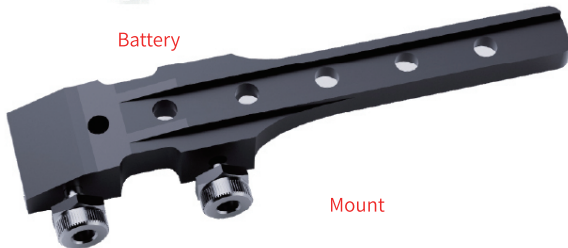
Box

Operating manual

Data line

Battery

Mount

1. Digital zoom/picture in picture
2. Distance measurement/laser
3. Mode switching/IR brightness
4. Menu/Video
5. On/Off/Sleep
6. Battery Cover

1
Short press: Digital zoom
Long press: Picture in picture

2
Short press: Distance measurement
Long press: laser

3
Short press: IR brightness
Long press: mode switching

4
Short press: Video recording
Long press: Start menu

5
Short press: power on/sleep
Long press: Off

Range finder

Focusing wheel

Power button

Function keys

Battery Cover

Diopter Control

Silicone eye mask
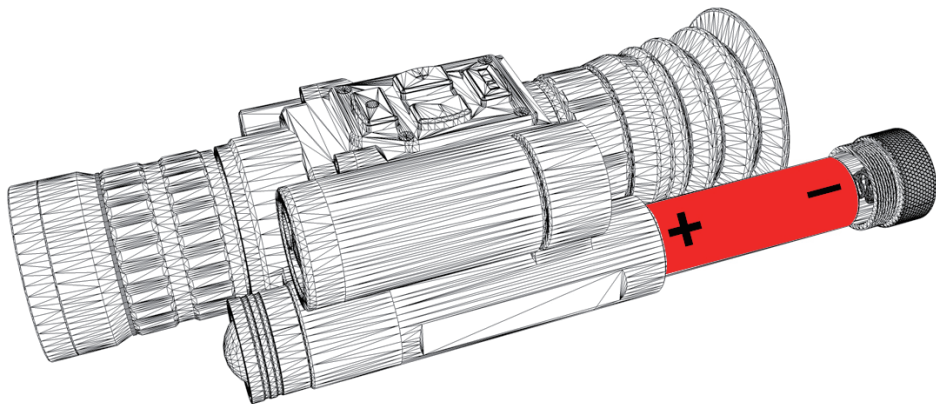
**Battery installation**

Unscrew the battery cover and use a 18650 lithium-ion rechargeable battery with a rated voltage of 3.7V. Install one positive electrode facing inward to ensure that the battery cover is tightened.

**1** Long press the power button to turn on the device

⊙ Rotary adjustment

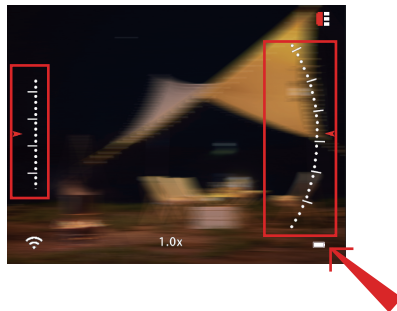**2** After turning on, first adjust the refractive index of the eyepiece.

Everyone's vision is different, and the first time you use it, you need to adjust it.

You only need to be able to clearly see the ruler and icon in the red box,

and it doesn't matter whether the other parts are clear or not

08

Rotary adjustment



3 After we can clearly see the ruler and icon in the red box, we adjust the focus wheel until we can see the entire picture clearly.

Ⓐ Diopter adjustment          Ⓑ Focus wheel adjustment



▲
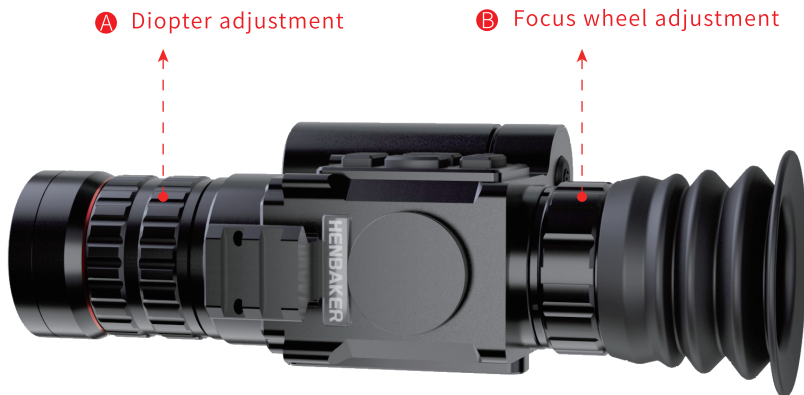
A、The diopter adjustment only needs to be adjusted once when used by the same person. It adjusts the degree between the eyes and the display screen, regardless of the viewing image.
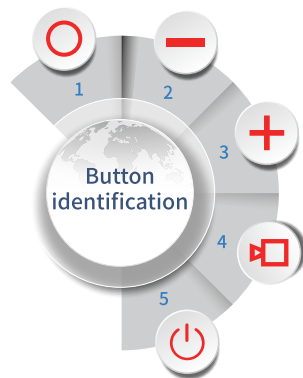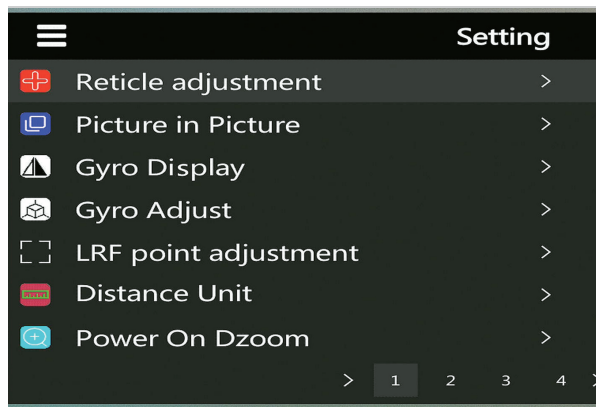
B、The focusing wheel is used to adjust the degree between the machine and the viewing target, so when viewing at different distances, it is necessary to adjust the focusing wheel to see the target more clearly.

Long press ⊡ to open menu, long press again ⊡ to close menu

| ☰ | | Setting |
|---|---|---|
| ⊕ | Reticle adjustment | > |
| ▣ | Picture in Picture | > |
| ◭ | Gyro Display | > |
| ◈ | Gyro Adjust | > |
| [ ] | LRF point adjustment | > |
| ▭ | Distance Unit | > |
| ⊕ | Power On Dzoom | > |

> | 1 | 2 | 3 | 4 | >

**Button identification**

1 ○  2 ▬  3 ✚  4 ⊡  5 ⏻

NOTE: Button label ○ ▬ ✚ ⊡ ⏻ In the text, they are replaced by "1, 2, 3, 4, 5" respectively.

11

### Reticle adjustment

Short press "4" to enter
Short press "2, 3" to adjust
Short press "1" to select the next option
Select and save. Short press "4" to save

### Picture in Picture

Short press "4" to enter
Short press "2, 3" to select
Short press "4" to save

### Gyro Display

Short press "4" to enter
Short press "2, 3" to select
Short press "4" to save

### Gyro Adjust

Short press "4" to enter
Short press "2, 3" to select
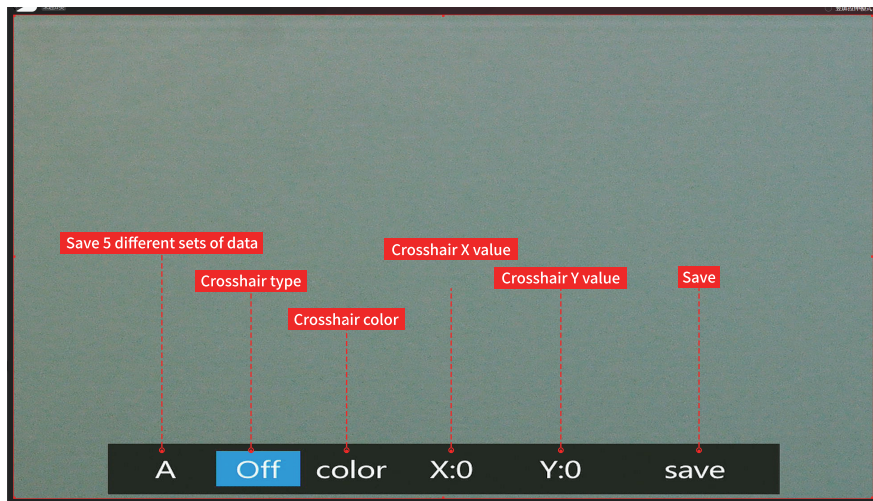Short press "4" to save

### LRF point adjustment

Short press "4" to enter
The machine will switch to black and white mode and start the rangefinder,
and you will see the flashing point of the rangefinder
Short press "2, 3" to adjust the coordinates so that the markers coincide with the points
on the rangefinder
Short press "1" to select the next option
**important:** It is necessary to find a distance of over 30 meters at night for adjustment

### Distance unit

Short press "4" to enter,
Short press "2, 3" to select
Short press "4" to save
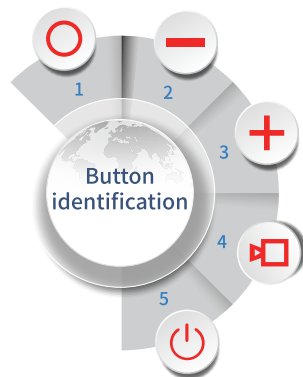
### Power On Dzoom

Short press "4" to enter
Short press "2, 3" to select
Short press "4" to save

Save 5 different sets of data

Crosshair type

Crosshair color

Crosshair X value

Crosshair Y value

Save

A    Off    color    X:0    Y:0    save

Long press ▭ to open menu, long press again ▭ to close menu

| ☰ | Setting |
|---|---|
| 🔲 Power On Color | > |
| 🔆 Default IR Luminance | > |
| 🔆 OLED Brigntness | > |
| 🔲 Auto Record | > |
| 🔄 Cycle Record | > |
| ✏️ Time Stamp | > |
| 🎤 Record Audio | > |

> 1 **2** 3 4 >

Button identification

1 2 3 4 5

NOTE: Button label ◯ ━ ✚ ▭ ⏻ In the text, they are replaced by "1, 2, 3, 4, 5" respectively.

## Power On Color

Short press "4" to enter
Short press "2, 3" to select
Short press "4" to save

## Default IR Luminance

Short press "4" to enter
Short press "2, 3" to select
Short press "4" to save

## OLED Brightness

Short press "4" to enter
Short press "2, 3" to select
Short press "4" to save

## Auto record

Short press "4" to enter
Short press "2, 3" to select
Short press "4" to save

## Cycle Record

Short press "4" to enter
Short press "2, 3" to select
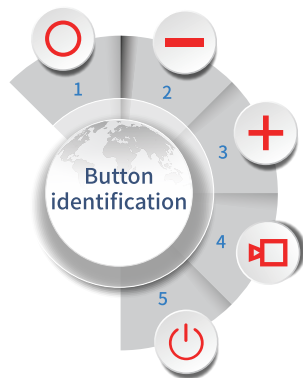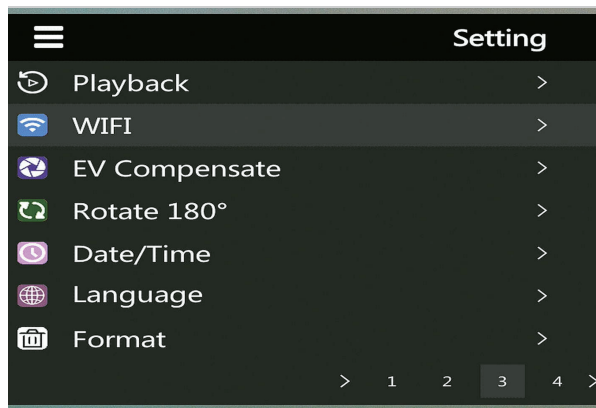Short press "4" to save

## Time Stamp

Short press "4" to enter,
Short press "2, 3" to select
Short press "4" to save

## Record audio

Short press "4" to enter
Short press "2, 3" to select
Short press "4" to save

Long press ▯ to open menu, long press again ▯ to close menu

| ☰ | | Setting |
|---|---|---|
| 🕘 | Playback | > |
| 📶 | WIFI | > |
| 🔄 | EV Compensate | > |
| 🔃 | Rotate 180° | > |
| 🕐 | Date/Time | > |
| 🌐 | Language | > |
| 🗑 | Format | > |
| | | > 1 2 **3** 4 > |

Button identification

1  2  3  4  5

NOTE: Button label ○ ━ ＋ ▯ ⏻ In the text, they are replaced by "1, 2, 3, 4, 5" respectively.

16

### Playback

Short press "4" to enter
Short press "2, 3" to select
Long press "4" to return

### WIFI

Short press "4" to enter
Short press "2, 3" to select
Short press "4" to save

### EV Compensate

Short press "4" to enter
Short press "2, 3" to select
Short press "4" to save

### Rotate 180°

Short press "4" to enter
Short press "2, 3" to select
Short press "4" to save

### Date/Time

Short press "4" to enter
Short press "2, 3" to select
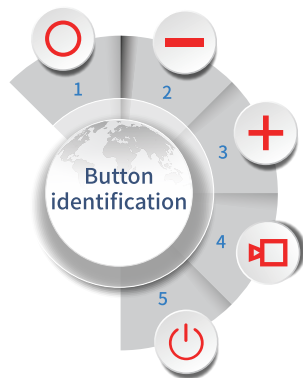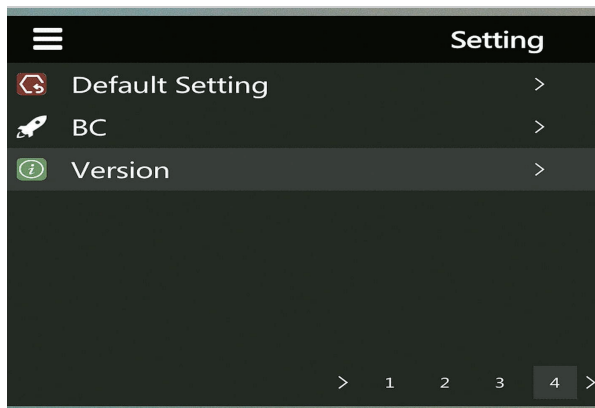Short press "1" to select the next option
Short press "4" to save

### Language

SShort press "4" to enter
Short press "2, 3" to select
Short press "4" to save

### Format

Short press "4" to enter
Short press "2, 3" to select
Short press "4" to save

Long press 🔲 to open menu, long press again 🔲 to close menu

| ☰ | Setting |
|---|---|
| 🔄 Default Setting | > |
| 🚀 BC | > |
| ⓘ Version | > |

> 1 2 3 **4** >

**Button identification**

1 ⭕
2 ➖
3 ➕
4 🔲
5 ⏻

NOTE: Button label ⭕ ➖ ➕ 🔲 ⏻ In the text, they are replaced by "1, 2, 3, 4, 5" respectively.

### Default setting

Short press "4" to enter
Short press "2, 3" to select
Short press "4" to save

### BC

Short press "4" to enter,
Short press "2, 3" to select
Short press "1" to select the next option
Short press "4" to save

### Version

Short press "4" to enter
Short press "4" to exit

| | | | |
|---|---|---|---|
| Object lens | 75mm | Picture-in-picture | Yes |
| Optical magnification | 6x | Gyroscope | Yes |
| Digital magnification | 1-3.5x | Automatic recording | Yes |
| Focus range | 2m-∞ | External power supply type | Type-C |
| Exit pupil distance | 35mm | Voltage | 3.7-4.2v |
| Exit pupil diameter | 6mm | IP level | IP67 |
| Diopter | ±5D | Ballistic calculation | Yes |
| IR intensity | 3 level | Operating temperature | -20°C~+50°C/-4°F~+122°F |
| IR power | 5W | Seismic resistance | 6000J |
| IR distance | 400m | USB Type-C | Yes |
| Display resolution | 1024*768 | HDMI output | Yes |
| Display type | OLED | WIFI | Yes |
| Video resolution | 1440*1080 | Software support | HBKNV |
| Display color mode | Color/Black and white/Green | Battery type | 18650 rechargeable lithium battery |
| Storage space | TF card (maximum 128GB) | Net weight including battery | 490g |
| Video format | MP4 | Net weight excluding battery | 430g |
| Mute button | YES | Battery life | ≤8h |

# Warranty Card

Product model: _____

Purchase date: _____

Warranty period : _____

User Name: _____

User phone number: _____

User address: _____

Warranty records: _____

Thank you for purchasing this product. During the warranty period, we will provide you with the highest quality service in accordance with this warranty clause.

1: Warranty policy
Effective warranty can be obtained by following the following conditions:
(1) This warranty card must be provided simultaneously with the warranty.
(2) During the warranty period, faults caused by non-human factors shall be repaired and replaced with accessories free of charge.

2: Warranty Limitations
The product is not covered by the warranty due to damage caused by the following reasons:
(1) Do not disassemble the night vision device by yourself. If there is a malfunction, please contact the manufacturer in a timely manner. Repairs, modifications, or product seal stickers that are not approved by our company are not covered by the warranty.
(2) Any product damage caused by human factors or accidents, including use in abnormal working environments, damage caused by failure to follow the instructions and installation, is not covered by the warranty.
(3) Our company reserves the right to modify and interpret the above terms.

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