



PRODUCT INSTRUCTION

Shenzhen OWLNV Technology Co.,Ltd



Standard Version



Range Finder Version



Standard Version

- 11.Eyepiece Dioptre Adjustment Ring
- 12.Eyeshade
- 13.Power
- 14.Sleep Mode (short press)
- 15.Red Dot Adjustment Holes
- 16.Adjustable Red Dot
- 17.Focus Adjustment Bar
- 18.Ports & Slots
- 19.Logo
- 20.Lens
- 21.TF Card Slot
- 22.USB Charging Port
- 23.HDMI Output

Storage card is not included. Please prepare a TF card (128GB maximum) for data storage.

Installation

1.The Objective Lens Cap should be attached to cap holder

Take off the Objective Lens Cap and keep the LOGO up, then attach the Cap to the Picatinny rail, as it shows in above picture.

2.Battery installation

Please use lithium polymer chargeable 3.7V flat battery 18650. Remove battery compartment cap and make sure setting the positive polar towards to the direction inward. Put the cap back and screw it until tight. (Fail to do so may result in restarting!).

3.Adjustments

A simple test can be taken to check the functions of the device after the installation of battery. First, rotate and adjust the eyepiece dioptre adjustment ring(10) until you see the WiFi/Battery/IR icon on the screen (there's no need to see a clear image), then rotate the Objective lens adjustment ring(2) until you can see your target clearly. Second, switch to different modes, test IR, Red dot or Range finder.

4. Mount Installation

There are five mounting holes in the base of the device. Attach the mount to the base of the device by using a hex-nut wrench and screws. The mount can be installed in multiple rails.

Instructions

1.Turn On/Off:

Turn on the device with a short press of Power button(13). Turn off the device with a long press of Power button(13). Power indicator(9) will keep light when the device is turned on.

2.Sleep Mode:

Enter sleep mode with a short press of Power/Sleep button(13) when the device is turned on. Power indicator(9) will keep light when the device entering sleep mode.

3.The Eyepiece Dioptre Adjustment

The purpose of dioptre adjustment is to get a clear image for users with different visions. Rotate and adjust the dioptre adjustment ring (11) until you get a clear view of the WiFi/Battery/IR icon on the screen. One adjustment only for each eye.

The image might be not clear if the objective lens is not properly adjusted.

4.The Objective Lens Adjustment

Make sure the eyepiece dioptre focus is adjusted properly. Aiming at your target, rotate and adjust the objective lens ring(2) until you get a clear and well-focused image.

5.IR Illuminator Control

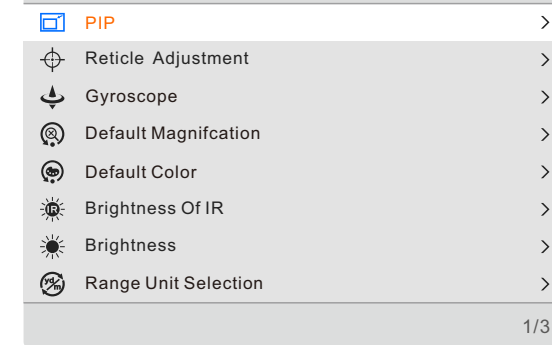
Turn on the device, enter black and white mode with a long press of IR button(7). Switch to IR1-3 or off with a short press of IR button. The IR Illuminator(3) is stretchable which can be pull out or push back to make a quick adjustment.

6.Red Dot

Turn on the device, then turn the laser on/off with a short press of Laser/Menu button(8). The position of laser can be adjusted on the red dot adjustment holes(15) by a hex-nut wrench.

7.Menu Operation

Enter the menu with a long press of Menu button(8). Press +/- button(5/7) to select options. Enter a submenu with a short press of OK button (6). Exit the menu with a short press of Menu button(8).



1>PIP (Picture-in-Picture)

Enter the submenu PIP mode with a short press of OK button(6). Select "PIP OFF, PIP ON, Shortcut Key OFF, Shortcut Key ON" with Up/Down(5/7) button. Confirm your selection with a short press of OK button(6).

Once the shortcut key of PIP is turned on, enter or exit PIP mode with a short press of Menu button(8). (Laser function can not work in this situation)

2>Reticle Adjustment

Enter the submenu reticle adjustment with a short press of OK button (6). Select options with a short press of OK button(6). Adjust options or value with some short press of +/- button (5/7).

To confirm your setting by entering "Save" with a short press of + button (5), choose "Yes" with a short press of OK button(6); To deny your setting by entering "Save" with a short press of - button(7), choose "No" with a short press of OK button(6).

6.5x A X:0 Y:0 Style Color Save

3>Gyroscope

Enter the submenu Gyroscope with a short press of OK button(6). Select "Display" or "Calibration" with a short press of +/- button (5/7). Select "On" or "Off" to turn on/off the gyroscope after entering "Display". Turn on the gyroscope before you select "Calibration". Enter "Calibration" by a short press of OK button(6). Keep the machine horizontally and stand still for about 8 seconds to complete the calibration.

4>Default Magnification

Enter the submenu Default Magnification with a short press of OK button(6). Select "6.5x" or "13x" as default magnification. Confirm your selection with a short press of OK button(6).

5>Default Color

Enter the submenu Default Color with a short press of OK button(6). Select "Color" or "Black & White" mode with a short press of +/- button (5/7). Confirm your selection with a short press of OK button(6).

Notes

- 1.Don't look at the IR infrared light directly, or it will damage your eyes!
- 2.Massive power will be gathered when the infrared light is turned on. Don't aim at flammable items at a close range, otherwise it may cause fire. Please turn the infrared light off or enter sleep mode after use.
3. Please use a rechargeable battery with a rated voltage of 3.7V!
4. Attempts to disassemble or repair the device without authorization will void the warranty. Please contact with the maintenance point in time if there's any needs.



Standard Version

1. Lens Cap
2. Lens Focus Adjustment Ring
- 3.Stretchable IR Illuminator
- 4.Battery Compartment
- 5.Playback (long press) Up (short press)
- 6.Record (long press) Ok (short press)
- 7.IR Illuminator (long press to switch on B&W mode, then short press to switch on IR Illuminator)
- 8.Menu (long press) Down (short press)
- 9.Power indicator
- 10.Battery Compartment Cap

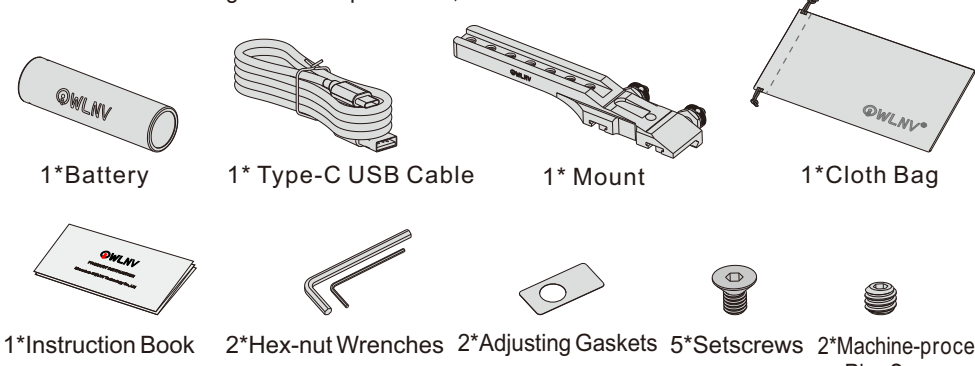


Range Finder Version

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- 22.USB Charging Port
- 23.HDMI Output
- 24.Laser Ranger Finder

Accessories Contents

This box contains a night vision optics with,



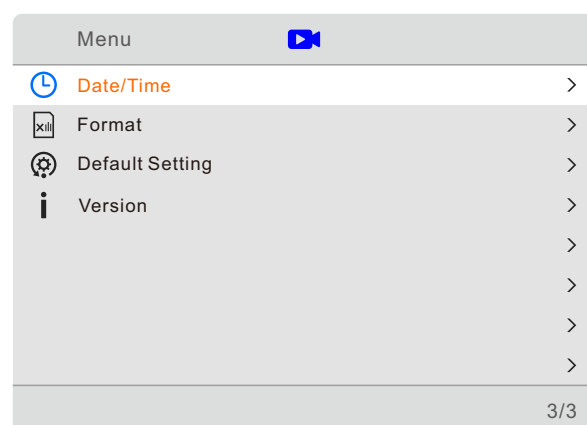
6>Brightness Of IR

Enter the submenu Brightness of IR with a short press of OK button (6). Select "Off", "1", "2", or "3" with a short press of +/- button (5/7). Confirm your selection with a short press of OK button(6).

Please note this setting is for the default brightness of IR. Press IR button(7) under Black & White mode for instant setting of IR brightness.

7>Brightness

Enter the submenu Brightness with a short press of OK button (6). Select a level(LEVEL 0/1/2/3/4/5/6) with a short press of +/- button(5/7). Confirm your selection with a short press of OK button(6).



8>Range Unit Selection

Enter the submenu range unit selection with a short press of OK button (6). Select "Meter" or "Yard" with a short press of +/- button (5/7). Confirm your selection with a short press of OK button(6).

9>Auto Recording

Enter the submenu Auto Recording with a short press of OK button(6). Select "Off" or "On" with a short press of +/- button(5/7). Confirm your selection with a short press of OK button(6).

12>Record Audio

Enter the submenu record video(mute) with a short press of OK button(6). Select "Off" or "On" with a short press of +/- button(5/7). Confirm your selection with a short press of OK button(6). It is a feature to choose mute video or sound video.

13>Beep sound

Enter the submenu beep sound with a short press of OK button(6). Select "Off" or "On" with a short press of +/- button(5/7). Confirm your selection with a short press of OK button(6). This setting is to choose whether the keyboard press sound will be recorded into the video or not.

14>WiFi

Enter the submenu WiFi with a short press of OK button (5). Select "Off" or "On" with a short press of +/- button (5/7). Confirm your selection with a short press of OK button(6). Exit WiFi with a long press of Menu button (8). (The Menu page can not be opened while WiFi is turned on)

The default user name and password of WiFi are OWLNV and 12345678. The corresponding APP is available in its official website.

15>Exposure

Enter the submenu exposure with a short press of OK button(6). Select one of the options with a short press of +/- button(5/7). Confirm your selection with a short press of OK button(6).

16>Language

Enter the submenu Language with a short press of OK button(6). Select one of the options with a short press of +/- button(5/7). Confirm your selection with a short press of OK button(6).

17>Date/ Time

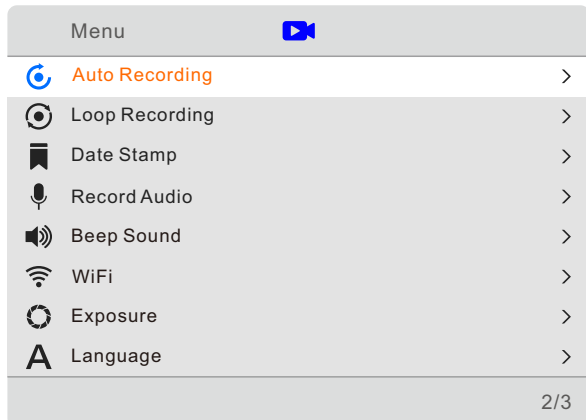
Enter the submenu "Date/Time" with a short press of OK button(6). Select one of the options with OK button(6). Select a correct value for year, month and date with a short press of +/- button(5/7). Select "YY/MM/DD", "MM/DD/YY" or "DD/MM/YY" as your date format with a short press of +/- button(5/7). Save selected date and exit the submenu with a short press of Menu button(8).

10>Loop Recording

Enter the submenu Loop Recording with a short press of OK button (6). Select "Off", "3 minutes", "5 minutes" or "10 minutes" with a short press of +/- button(5/7). Confirm your selection with a short press of OK button(6).

11>Date Stamp

Enter the submenu Date Stamp with a short press of OK button(6). Select "Off" or "On" with a short press of +/- button(5/7). Confirm your selection with a short press of OK button(6).



18>Format

Enter the submenu "Format" with a short press of OK button (6). Select "Cancel" or "OK" with a short press of +/- button (5/7). Confirm your selection with a short press of OK button(6).

Please be careful, the data can not be recovered after the device is formatted.

19>Default Setting

Enter the submenu "Default Setting" with a short press of OK button (6). Select "Cancel" or "OK" with a short press of +/- button (5/7). Confirm your selection with a short press of OK button(6).

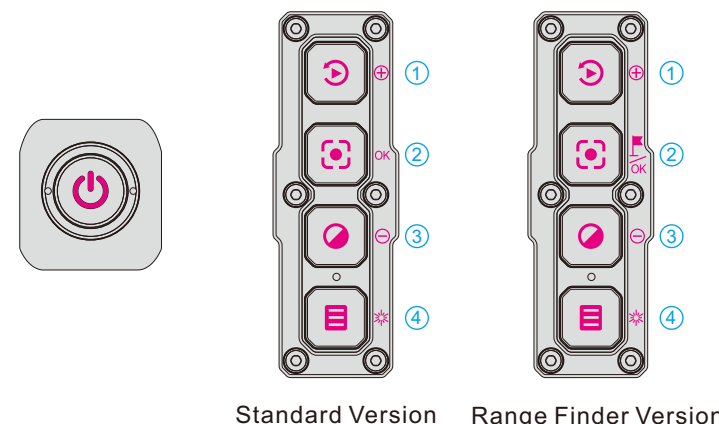
8.Shortcuts

Power/Sleep button

Turn on the device with a short press of power button, turn off the device with a long press of power button. Enter or exit sleep mode with a short press of sleep button.

Zoom(+) / play button

Zoom in or out with a short press of zoom button. Open or close the video file in memory card with a long press of zoom button, select videos by pressing +/- button, confirm the video by pressing OK button. Fast forward or rewind the video by pressing +/- button when the video is playing.



2 OK / Recording / LRF button

Turn on/off range finder with a short press of LRF button. Turn on/off record with a long press of record button.

3 IR/ mode switch (-) button

Switch to B&W mode or color mode with a long press of IR button. Short press IR button under Black & White mode to instantly set IR brightness.

4 Menu/ Red dot

Turn on/off the red dot with a short press of red dot button. (This function will not work under PIP shortcut key mode.) Enter the menu page with a long press of menu button, exit the menu page with a short press of Menu button.

Specifications

Model	L3	Laser Detection Range	-	Dimension	186.5*57.5*70	Weight	530g
	L3-LRF		5-1000m		186.5*61*70		565g
Magnification	6.5x&13x	Focus	3m-∞	Eyepiece Resolution	1024*768 pixels	Transmission Method	Wi-Fi
IR Wavelength	850nm/940nm	IR Illumination Range	350m	IR Power	5w	Voltage	3.7V
Recording Format	MP4	Video Resolution	1920*1080 pixels	Frame Rate	30fps	Storage Type	TF Card (Up to 128GB)
Battery Life		> 8hours		Battery Type			Li-ion 18650x1

Warranty card

Product model
Product code
Date of purchase
Warranty period
User Name
User's phone
User address
Warranty records

Warranty

This product is warranted against defects in materials and workmanship for a period of Two years from the date of purchase.

This warranty is for the original purchaser only!

Notice: Do not disassemble the night vision device by yourself. If there is any trouble, please contact the factory in time. If the repair, modification or product seal sticker is not approved by the company, it will not be covered by the warranty.

All damage caused by human factors or accidental product damage, including use in abnormal working conditions, failure to follow the instructions and installation, is not covered by the warranty.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Statement: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.
In normal use, the wifi module away from the human body at least 5cm