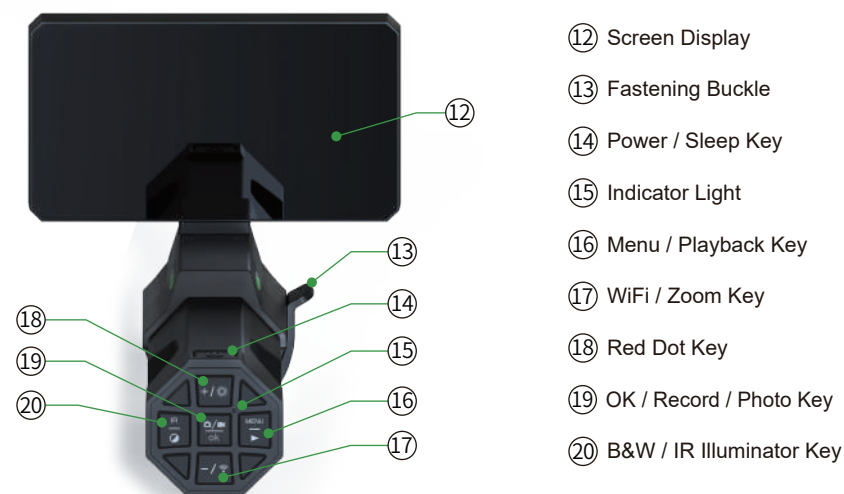




## PRODUCT INSTRUCTION

Shenzhen OWLNV Technology Co.,Ltd

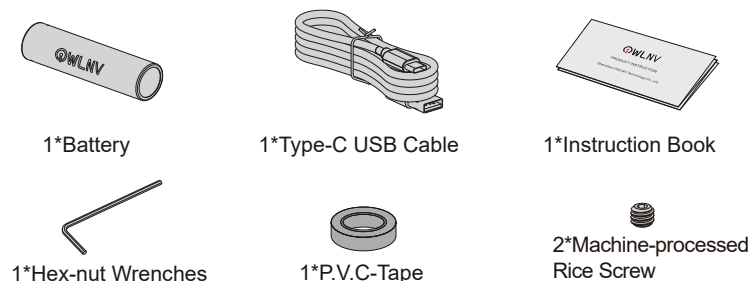


## Digital Night Vision N9



## Accessories / Contents

This box contains night vision optics with



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

## Important Notes

- 1.This product can only be adapted to optical telescopes with AO focus or side focus feature.
2. A few optical telescopes may not work due to its particular design of optical path.
3. Internal diameter of sleeve is 48mm, applicable external diameter of eyepiece is 38mm-48mm.

## WARNING

1. Looking directly at the IR light can cause serious damage to your eyes.
2. Infrared light when turned on consumes massive amount of power. Don't aim at flammable items at a close range as it may cause fire.Please turn the infrared light off or enter sleep mode after use.
3. Please use only 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 our authorized maintenance points whenever needed.

## Installation

### 1.Battery Installation

Please use lithium-ion chargeable 3.7V flat battery 18650. Make sure the positive polar and negative polar match the indication inside the battery compartment.

### 2.Connect YOUR Rifle Scope

First, push the 13 Fastening Buckle downward, insert the eyepiece of your scope into the Sleeve. The recommended gap of scope in-wall and the sleeve outer-wall should be less than 0.1mm. Wrap the eyepiece with a P.V.C. tape and joint a 8 plastic ring to ensure the gap less than 0.1mm. Rotate the Sleeve to change the cross-hair orientation to horizontal. Push the 13 Fastening Buckle upward to secure the connection.

## Adjustment

### Focus Adjustment

Rotate the 2 Focus Adjustment Ring until you achieve image quality of your preference.

## Instructions

### 1.Turn On/Off

Short press "14 Power" Button to turn on.  
Long Press "14 Power" Button to turn off.

### 2.Sleep Mode

Short press "14 Power" Button to enter Sleep Mode while the device is on.

### 3.IR Illuminator

This is to enhance infrared light for nighttime use.

#### Turn On IR Illuminator

Long press "20 B&W / IR" Button to activate black and white mode. Short press "20 B&W / IR" to activate IR Illuminator.

#### IR Illuminator brightness Adjustments

Short press the "20 B&W / IR" button to select brightness while IR illuminator is turned on.

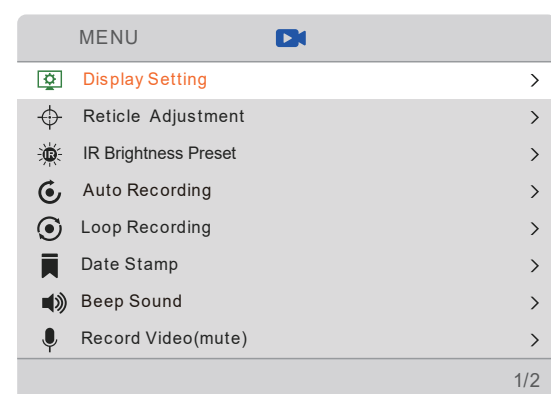
### 4.Menu Operation

Short press "Menu" button to Go to Menu.  
Short press "OK" button to enter Sub-menu.  
Short press "Menu" button to exit Menu.

#### 1> Display Setting

Go to "Menu". Select and enter "Display Setting", select "Brightness" or "Contrast".

Short Press "OK" to move between "Brightness" or "Contrast".  
Select preferred Brightness and Contrast by short pressing "+" or "-" button.  
Exit and Confirm by short pressing "Menu" button.



### 2> Reticle Adjustment

This is to center-align the cross-hair of YOUR rifle scope in the display.  
Go to "Menu". Select and enter "Reticle Adjustment" then adjust the "x"-axis by pressing "IR" / "Menu" Button & "y"-axis by pressing "+"/ "-". Press "OK" to confirm your setting.

### 3> IR Brightness Preset

This is to preset the brightness of IR, which will be activated after restarting.  
Go to "Menu". Select and enter "IR Brightness Preset". Select preferred brightness."Off", "1", "2", "3". Short press "OK" to confirm your selection.

### 4> Auto Recording

The scope will record automatically when turned on if set with "On"  
Go to "Menu". Select and enter "Auto Recording". Choose "Off" or "On". Short press "OK" to confirm your selection.

### 5>Loop Recording

This is to continuously record by replacing a previously recorded clip when the TF card is out of space. "3 minutes", means that each clip will be recorded for 3 minutes, the earliest clip will be replaced by a new clip when TF card is full.

Go to "Menu". Select and enter "Loop Recording", Select "Off" and "3minutes", "5minutes" or "10 minutes". Short press "OK" to confirm your selection.

### 6>Date Stamp

Go to "Menu". Select and enter "Date Stamp", Select "Off" or "On". Short press "OK" to confirm your selection.

### 7> Beep Sound

This is to determine if Beep Sound will be recorded in the video while operating the scope.

Go to "Menu". Select and enter "Beep Sound". Select "Off" or "On". Short press "OK" to confirm your selection.

### 8> Record Video (Mute)

This is to determine if the audio will be recorded in the clip. "On" means with audio recorded. "Off" means without audio recorded.

Go to Menu. Select and enter Record Video (Mute). Select "Off" or "On". Short press "OK" to confirm your selection.

### 9> WiFi

Go to "Menu". Select and enter "WiFi". Select "Off" or "On". Short press "OK" to confirm your selection.

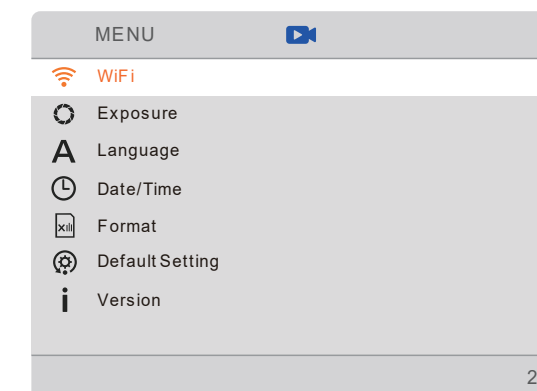
The default WiFi user name is OWLNV.

The default WiFi password is 12345678.

An official OWLNV app will be released soon, please reach out to cs@owlnv.com for alternatives

### 10> Exposure

Go to "Menu". Select and enter "Exposure".  
Choose from different options. Short press "OK" to confirm your selection.



### 11> Language

Go to "Menu". Select and enter preferred Language. Short press "OK" to confirm your selection.

### 12> Date / Time

Go to "Menu". Select "Date/Time". Press "+"/ "-" and "IR" / "Menu" to Select "Year"/"Month"/"Date"/"Time"/"OK"/"Cancel" or format of date. Press "IR" / "Menu" button to adjust "Year"/"Month"/"Date"/"Time". Select "Confirm" or "Cancel".

### 13> Format

Go to "Menu". Select and enter "Format". Select "Confirm" or "Cancel".  
**IMPORTANT: ALL DATA WILL BE DELETED AND CAN'T BE RECOVERED AFTER FORMAT.**

### 14> Default Setting

Go to "Menu". Select and enter "Default Setting". Select "OK" or "Cancel". Short press "OK" to confirm your selection.

### 5 Shortcuts

Long Press IR button to switch between Color Mode and B&W mode. (Infrared illuminator can only be switched on under B&W mode)

Long Press "Wi-Fi" button to switch on or off Wi-Fi.

Short Press "-" button to zoom in.

Short Press "" button to switch on Red Dot.

Long Press "Playback" button to playback video clips which are stored in TF card.

Short Press "Record / Photo" button to take a picture.

Long Press "Record / Photo" button to record a video.

## Basic Parameter

Model Name	N9-12	N9-16
Sensor Resolution	1920*1080 FHD	
Frame Rate	30Hz	
Objective Lens	12mm	16mm
IR Wavelength	850nm or 940nm	
IR Power	5W	
IR Range	300m	
Display Type	IPS 1280*720	
Dimension	202.5*149.0*134.5mm	
Weight(w/o battery)	400g	

## General Parameter

Magnification	3x-10.5x	Case Material	Al6061+Plastic
Battery Type	Li18650*1 / 3.7V	Operative Temperatur	-30 C ~ +60 C
Battery Life	6H (Max)	Record Format	MP4
Output Interface	WiFi	Photo Resolution	1920*1080
Focus Range	3cm-∞	Record Resolution	1920*1080
Storage Card	TF (Max 128 GB)	Charge Type	Type-C

## 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 one year from the date of purchase.

This warranty is for the original purchaser only!

Notice :

Operate this device in daylight or view any strong radiation source like the Sun, electric welding and Laser directly may cause permanent damage to internal parts of this device and this is not covered by the Warranty.



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