



**OWNV-02**

**USER MAUNAL FOR**

**5x32 DIGITAL NIGHT VISION MONOCULAR**

## ***READ IT BEFORE USE!!!***

READ AND UNDERSTAND THE CONTENTS OF YOUR NIGHT VISION MANUAL. FOLLOW ALL STANDARD SAFETY PRECAUTIONS AND PROCEDURES DURING THE OPERATION.

▼ *Scan the QR code to learn more about VectorOptics*



VECTOROPTICS



USER MANUAL



FACEBOOK



INSTAGRAM



***NEVER LOOK AT THE SUN THROUGH THE NIGHT VISION (OR ANY OTHER OPTICAL INSTRUMENT). IT MAY PERMANENTLY DAMAGE YOUR EYES.***

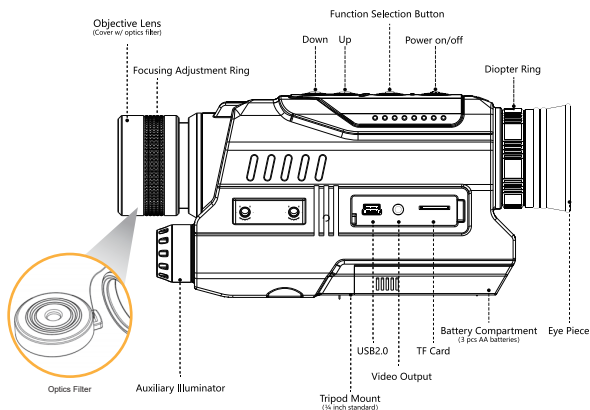
# CONTENTS

INSTRUCTION .....	4
DIAGRAM OF THE DEVICE .....	4
FEATURE .....	5
OPREATING INSTRUCTION .....	5
Battery Installation .....	5
Power On .....	6
Power Off .....	6
Sight Observation .....	7
Display Screen Brightness Adjustment .....	8
Auxiliary IR Adjustment .....	8
Camera .....	10
Video Recording .....	11
Playback .....	12
Date and Time Setting .....	13
File Deletion .....	14
External Montior .....	14
Connection to a Computer .....	14
POWER MANAGEMENT .....	15
BASIC PARAMETERS .....	16
STANDARD CONFIGURATION .....	16
USAGE OF ENVIRONMENTAL REQUIREMENTS AND NOTES .....	17
WARRANTY .....	18
NOTES .....	19

# INSTRUCTION

- The night vision device is a high-precision optoelectronic instrument used for object observation in the dark night. It works even at extremely low light levels.
- The night vision device includes an external LED IR flashlight for working in completely dark conditions.
- Turn on the auxiliary illuminator when it is completely dark. The focus can be adjusted according to the distance to the target. Under the low-light condition, the auxiliary IR lighting is unnecessary to open, such as a streetlight or the moon.
- 2.5 hours battery runtime if the auxiliary IR light is on, 6.0 hours runtime if the light is off.

# DIAGRAM OF THE DEVICE



## FEATURE


This is a night vision device for dark night or low light condition observation, the observation distance in a low light environment is infinite, and it can reach to 200 meters in the dark environment. It has a USB port and a video transmit port.

This multifunction product can be normally used during the day and night. It features photo-taking, video recording, and playback functions. And it provides 5x optical magnification and 3x digital magnification.

This product is the best choice for human vision extension.

## OPREATING INSTRUCTION


### BATTERY INSTALLATION

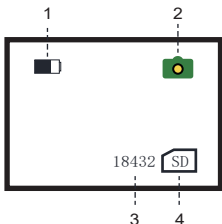
Pull the battery cap toward the bottom side of the device to open it, then take off the battery cap and put in 3 AA batteries; Press the button  to turn it on and check the internal screen to make sure it works properly.

**Notes:** Use qualified 1.5V AA batteries.



## POWER ON

Press button  and look through the ocular lens. If the internal screen lights up and displays the icons as shown in the image means that the device works properly.



- 1 - Battery level indicator
- 2 - Camera mode on
- 3 - Numbers of photo available
- 4 - TF card inserted

When the device is on, the observation mode and camera operations are both activated.

## POWER OFF

In any condition, press button  for seconds to turn off the device.



## SIGHT OBSERVATION

This device comes with an object lens optic filter. Put it on when using it daytime in a bright environment. Take it off when using it in low light or dark environment.

In observation (camera) mode, aim the lens at the target and look at the display screen through the ocular lens.

- ① Adjust the diopter ring until the icons in the image on display is the clearest.
- ② Turn the objective lens adjustment ring until the target image on the display screen is the clearest.

The device will automatically adjust the display screen brightness based on the average brightness level of the central object image.

Press button   can adjust the digital zoom, and the electronic image magnification can be enlarged 1~3 times.

No auxiliary illuminator is needed in a bright environment.

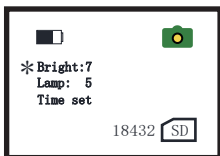
In a dark environment, when the target cannot be seen clearly, the device will turn on the auxiliary illuminator automatically. With a corresponding brightness level.

**Notes** : Do not block the light of the auxiliary illuminator.

## DISPLAY SCREEN BRIGHTNESS ADJUSTMENT

Under observation (camera, video recording mode) mode, long-pressing the button **[M]** to enter the screen brightness adjustment menu, as the image shows. The number beside 'Bright' indexes the current screen brightness level.

Press the up button **[↑]** or the down button **[↓]** to adjust the brightness level from 1 to 9, the level 9 is the brightest.





## AUXILIARY IR ADJUSTMENT

Under observation (camera, video recording mode) mode, long-pressing button **[M]**. Then press button **[M]** again to enter the auxiliary IR illuminator mode as the image shown.

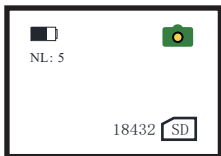
The number beside 'Lamp' indexes the light intensity level of the auxiliary IR illuminator.





Press the up button  or the down button  to adjust the auxiliary illuminator brightness level from 0 to 9. Level 9 is the brightest, level 0 indicates the auxiliary IR illuminator is off.

After it is set, the screen will show NL: X. The "X" Refers to the brightness level of the auxiliary IR illuminator.



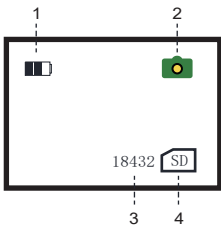
**Notes:** The auxiliary IR illuminator has two modes -automatic and manual. When the power is on it is in an automatic state. When the auxiliary IR illuminator lights are set by manual setting, then the automatic mode will quit.

If the NL is set to 0 then the IR illuminator will be off and the automatic mode will be completely closed. The device is in manual mode when in a dark environment or you can manually open the auxiliary illuminator; if the NL is set in 1, automatic mode is open, and no need for manual adjusting anymore.


When the auxiliary IR illuminator is on, the image will automatically switch to black and white if the original image is multicolor.

## CAMERA

Under observation (camera) mode you can observe sights and take photos.



- 1 - Battery level indicator
- 2 - Camera mode on
- 3 - Numbers of photo available
- 4 - TF card inserted

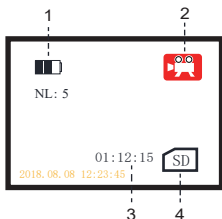
Press button  to take a photo, each photo is automatically saved on the TF card.

The available photo storage appearing on the screen is automatically calculated based on the remaining available capacity of the TF card. It may deviate slightly from the actual available storage amount.

**Notes:** This product has no internal storage, it needs to insert a TF card for photo taking and video recording storage. And the maximum TF card this device can read is 32G. Please note poor quality TF cards might cause device damage or improper working condition happens.

## VIDEO RECORDING

Under observation (camera) mode, press the button **[M]** to access Video recording mode.



- 1 - Battery level indicator
- 2 - In video recording mode
- 3 - Available shooting length or video recording length
- 4 - Inserted with TF card

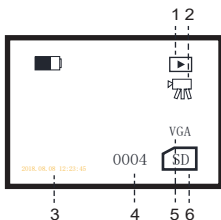
Press button **[OK]** to start recording a video, while recording, the video is saved automatically on the TF card.

The available shooting length is automatically calculated based on the remaining available capacity of the TF card. It may deviate slightly from the actual available length.

Press button **[OK]** to stop the recording.

## PLAYBACK

Under observation (camera) mode, press twice the button **[M]** to enter the playback mode.



- 1 - Playback mode
- 2 - Video playback mode
- 3 - Date
- 4 - Current showing photo or video number
- 5 - VGA video form
- 6 - Inserted with TF card

Press button **[↑]** or **[↓]** to switch between the photos or videos.

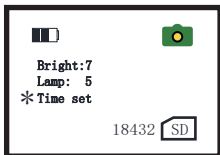
Photos and videos are saved in the order of recording time. The video icon will be on if it is in video format.

Press the button **[OK]** to start playing, and press it again to stop.

## DATE AND TIME SETTING

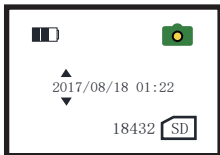
Long-press the button **[M]** to enter the options menu, and press the button **[M]** again to move the 'Time set' option.

Press buttons **[↑]** and **[↓]** to access the time setting interface.



Use buttons **[↑]** and **[↓]** to change the number of the arrow showing direction. Press the **[OK]** button to move the direction of the arrow located forward or backward, which indicates the year, month, date, hour, and minute.

After it is set, press the button **[OK]** to exit the setting mode.



## FILE DELETION

In the playback mode, a long-press button **[M]**, and a confirmation message will appear. Press button **[↑]** or button **[↓]** to switch between Yes and No. Press button **[OK]** to confirm the choice, or press button **[M]** to exit deletion mode.



## EXTERNAL MONITOR

Connect an external monitor to the video output interface port by the video cable.

The display of the screen can be output on the external monitor and the internal screen will be closed.

## CONNECTION TO A COMPUTER

This product has a USB2.0 port. Use the USB cable to connect the USB port and the cable on another side to connect to the computer.

The computer can automatically identify this device as portable storage when the device is on. The contents saved in the TF card can be read through the computer.

# POWER MANAGEMENT

## AUTO POWER-OFF

It will not auto power off under video recording or playback mode. In other conditions, if the device is left for 3mins without any operation, it will automatically power off.

## BATTERY SELECTION

This device uses three standard AA batteries, please select high-quality batteries. To ensure the device is highly efficient and in good working condition.



## EXTERNAL POWER SUPPLY

The external power supply is not available.

## BASIC PARAMETERS

Category	Item	Parameter
Optic Properties	Magnification	5x
	Objective lens diameter	φ32mm
	File of view	5°×3.75°
	Ocular lens adjustment scope	±1
	Viewing distance in low light	2m~∞
	Viewing distance in total darkness	~200m
Power	Operating voltage	4.2V DC
	Battery	AA
Others	Dimension (L×W×H)	190×83×56mm
	Weight	345g

## STANDARD CONFIGURATION

Name	Qty
AV cable	1
Portable soft bag	1
Operating instruction	1
Hand strap	1
Lens wiper	1



# USAGE OF ENVIRONMENTAL REQUIREMENTS AND NOTES

This night vision device should be kept in a soft case, and the proper usage environment is better between  $-20\sim+55^{\circ}\text{C}$ , and the relative humidity under 80%.

This device should be kept in a clean and dry place to keep moisture and mildew away from the lens, and prevent pressure, impact, humidity, and solar radiation.

Try to keep this device away from rain or mist, and do not allow it to fall, hit, or bump against things.

When the battery image on the screen is blinking and shows a low battery, please change with new batteries.

Blow the dust and dirt off from the optical surface of the objective lens / ocular lens/ laser illuminator first, then slightly wipe the surface with a soft cloth.

Please take out the battery in case of long-time, not in use, and aim to protect the device from damage by the battery inside the chemical liquid.

Product images, descriptions, and instructions of this brochure are only for reference purposes, the real product might have little difference due to product upgrading. For more latest and most accurate information please visit our website.

# ONE YEAR WARRANTY

Your night vision scope is warranted free of defects in materials and workmanship for a period of 1 year from the time of purchase by the original owner. In the event of a defect under this warranty, we will, at our option, repair or replace the product at no charge to you. If we can't repair your product, we will replace it with a product of equal or better physical condition.

This warranty does not cover damages caused by misuse, improper handling, loss, theft, deliberate damage, or cosmetic damage. The battery is not covered under this warranty. Also, this warranty is null and void if modification or maintenance is provided by someone other than VictOptics. This warranty is non-transferable.

For products not directly purchased from us, please contact the local dealer for applicable warranty info.





# 5x32 DIGITAL DAY & NIGHT VISION **MONOCULAR**

Manual # Night Vision Scope Series

[www.vectoroptics.com](http://www.vectoroptics.com)

@ vector\_optics

