FNIRSI

4K DUAL-LENS DIGITAL NIGHT VISION DEVICE USER MANUAL

NVS-40



CATALOG

NOTICE TO USERS ››› 01

1.PRODUCT INTRODUCTION ››› 01

2.NOTICE ››› 01

3.DEVICE STRUCTURE INTRODUCTION ››› 02

4.PANEL INTRODUCTION ››› 04

5.BUTTONS & FUNCTIONS INTRODUCTION ››› 04

6.OPERATING INSTRUCTIONS ››› 05

7.MENU DESCRIPTION ››› 06

8.BASIC PARAMETERS ››› 08

9.OPTICAL PERFORMANCE ››› 08

10.FIRMWARE UPGRADE ››› 09

11.CONTACT US ››› 09

NOTICE TO USERS

- This manual provides a detailed introduction to the product. Please read this manual carefully ensure obtain the best state of the product.
- Do not use the instrument in flammable and explosive environments.
- Waste batteries and instruments cannot be disposed of together with household waste. Please dispose of them in accordance with relevant national or local laws and regulations.
- If there are any quality issues with the device or if you have any questions about using the device, please contact “FNIRSI” online customer service and we will solve it promptly.

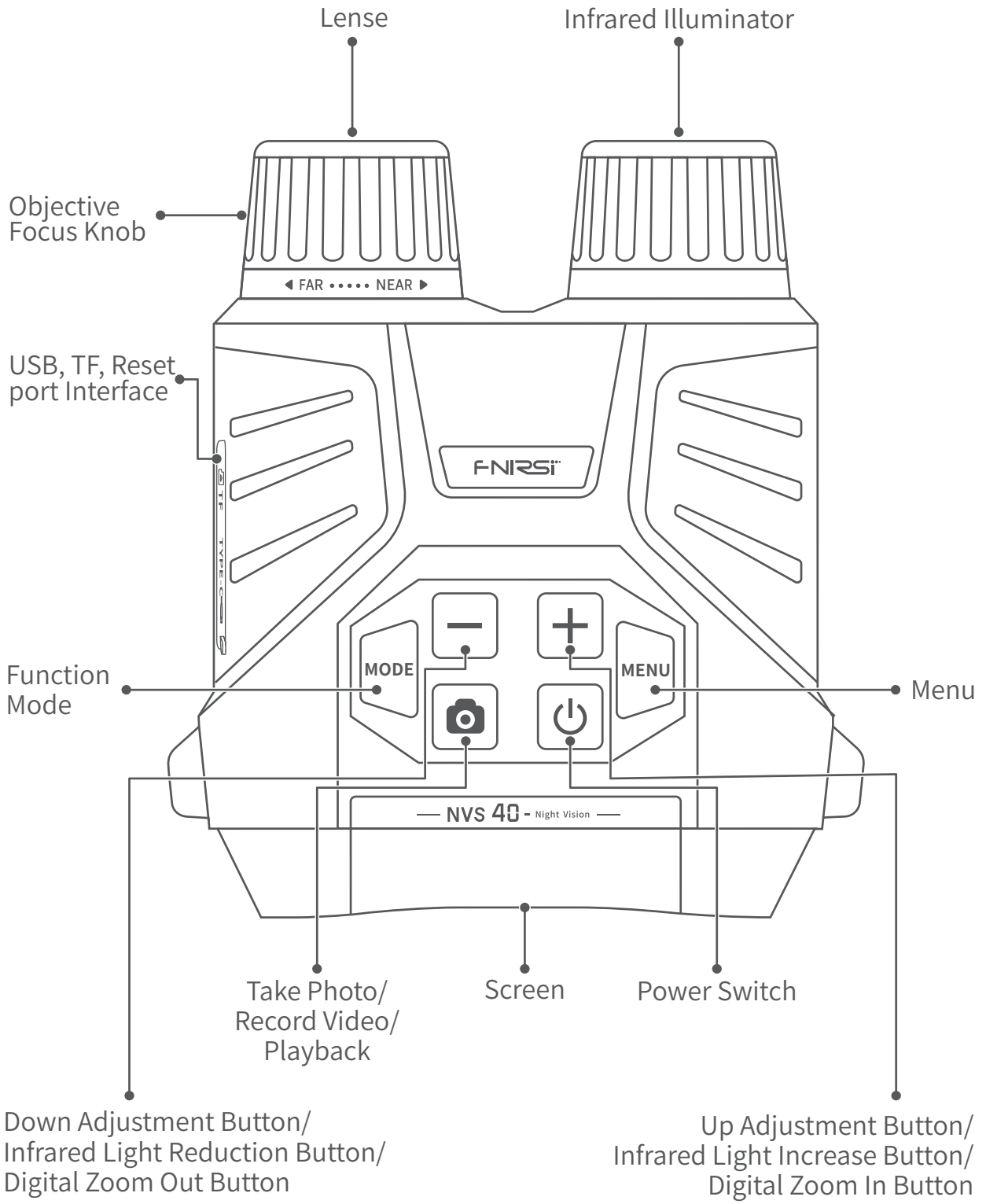
1.PRODUCT INTRODUCTION

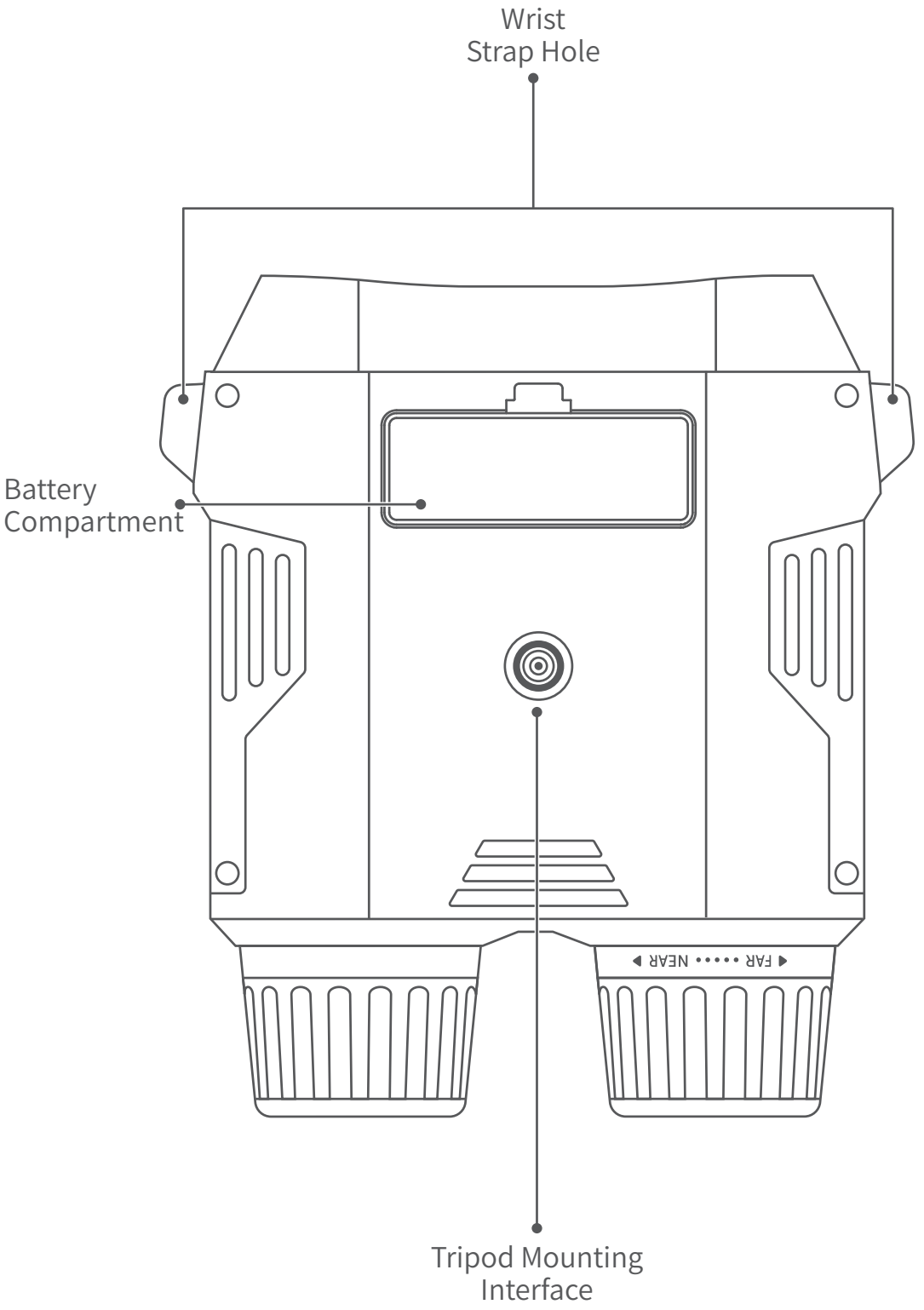
This device is a night vision instrument used for observing objects in pitch black or weak light. The observation distance in weak light is not limited, and can reach 300 meters in pitch black environments. Equipped with USB interface and TF card slot, supporting firmware updates and shooting storage. Fully functional, this color screen can be used normally during the day and night, with functions such as taking photos, shooting, playback, and electronic zoom up to 6x. This device is the best auxiliary tool for human night vision extension.

2.NOTICE

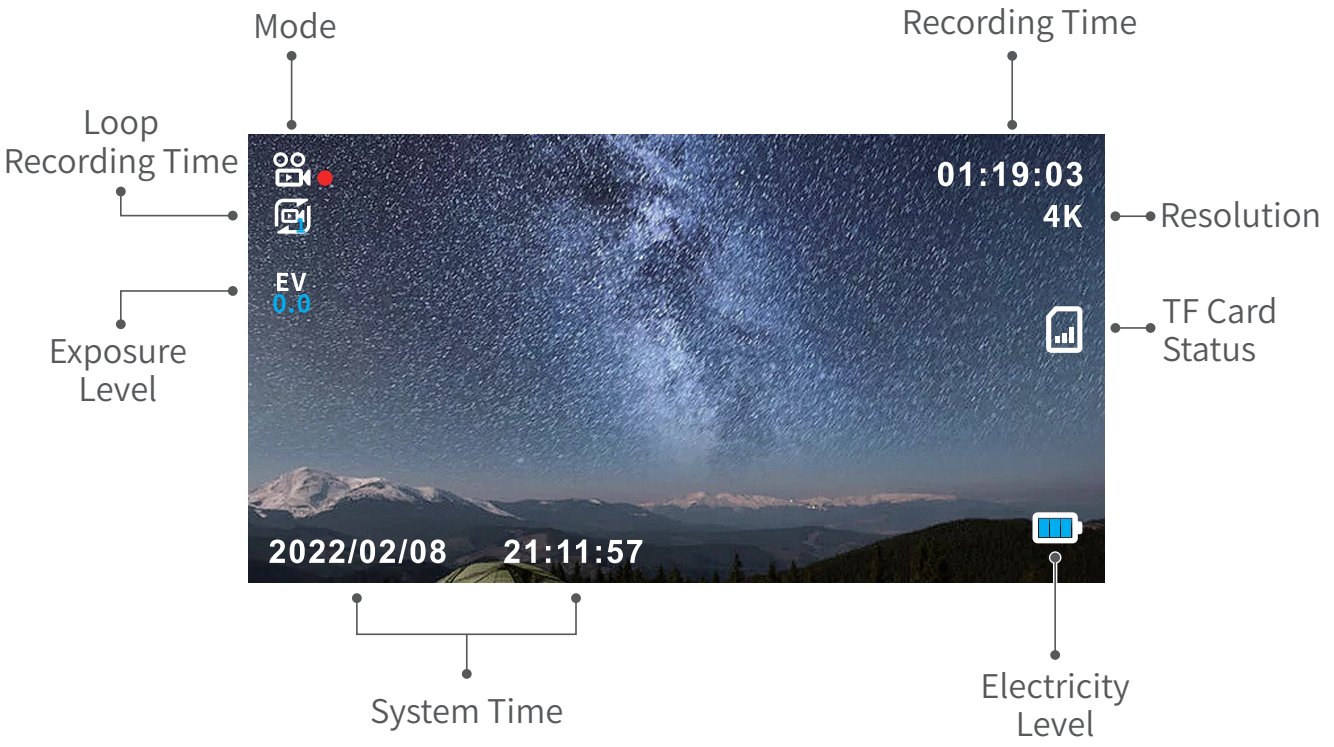
- It should be stored in a clean and dry place, avoid moisture on the lenses heavy press, device damage, damp.
- Try to avoid rainwater and mist, and prevent falling, and colliding.
- When the LCD image shows low battery, it needs to be charged in time.
- If not frequently used, please keep the battery regularly charged to prevent battery failure.

3.DEVICE STRUCTURE INTRODUCTION




Wrist
Strap Hole
Battery
Compartment
FAR • • • • • NEAR
Tripod Mounting
Interface

4.PANEL INTRODUCTION



5.BUTTONS & FUNCTIONS INTRODUCTION

Button	Operating Mode	Function
+	Short Press	Infrared Light Brightness Compensation +/Direction Key Down
	Long Press	Digital Zoom Magnification +
−	Short Press	Infrared Light Brightness Compensation -/Direction Key Up
	Long Press	Digital Zoom Magnification -

Button	Operating Mode	Function
	Short Press	Start of photo/video/playback
MODE	Short Press	Switch between photo/ video/playback modes
MENU	Short Press	Menu/Return
	Short Press	Screen Extinction
	Long Press	Power ON/OFF

6.OPERATING INSTRUCTIONS

Installing The Battery

Place a 18650 specification battery in the battery compartment of the device, pay attention to the "+" and "-" polarity markings on the battery compartment, cover the battery cover and long press the power button to turn on the device, if it cannot be turned on properly, please check if the battery is installed upside down and the battery power is sufficient.

Notice:

※Using non original 18650 batteries may result in inaccurate battery level detection!

※please connect to USB for charging activation after replacing the battery.

Observation Of Scenery

After turning on the device, every short press of the **MODE** will cycle through the three modes of recording, taking photos, and playback. After selecting the corresponding mode, you can press  to start recording, taking photos, or playback, and observe the clarity of the scenery from the screen of the eye mask. If it is unclear, you can adjust it according to the following methods:

● First check if the brightness is sufficient, short pressing ＋、— to adjust the infrared fill brightness if in the dark.

● If the brightness is sufficient but the image is not clear, you can adjust the foot pitch through the lens wheel to make the image clear. After adjusting to the clearest page, you can also long press ＋、— to adjust the magnification.

⚠ Attention

Do not obstruct the infrared fill light area with any objects!

7.MENU DESCRIPTION

Short press **MENU** to display different mode menus and system settings in different modes. Short press to switch in sequence. The specific menu is shown in the table below:

Recording Menu	Recording Resolution	4K (3840*2160) /2K (2560*1440) /1080FHD (1920*1080) / 720P (1280*720) /VGA (640*480) /QVGA (320*240)
	Loop Recording	Off/1minute/2minutes /3minutes/5 minutes/10 minutes
	WDR	OFF/ON
	Movement Detection	OFF/ON
	Date Label	OFF/ON

Playback Menu	Delete	Delete Current, Delete All
	Protect	Lock Current、Unlock Current,、Lock All、Unlock All

Camera Menu	Resolution	36MP/32MP/30MP/24MP/20MP/16MP/12MP/10MP/ 8MP/5MP/3MP/VGA
	Image Quality	High quality/standard/ordinary
	Sharpness	Strong、Standard、Soft
	White Balance	Automatic、daylight、cloudy、incandescent、fluorescent
	Anti-shake	OFF/ON
	Quick Preview	OFF /2 seconds/5 seconds
	Date Label	OFF /Date/Date Time
	ISO	Auto、100、200、400、800

System Setting	Date/Time	YY/MM/DD 00:00:00
	Automatic Shutdown	OFF/1minute/2minutes/3minutes/5 minutes/10 minutes
	Language Settings	Chinese/Traditional/English/Japanese/Italian/ French/German/Russian/Spanish/Portuguese
	LCD Brightness Adjustment	High, medium, and low levels
	Light Source Frequency	50HZ/60HZ
	Exposure Compensation	+1/3 +0.0 -1/3 -2/3 -1.0 -4/3 -5/3 -2.0
	Screen Auto-off Time	OFF/1minute/3minutes/5minutes/10minutes
	Format	TF card (delete all files)
	Default Setting	Cancel/Confirm
	About	Model、Manufacturer、Version information

8.BASIC PARAMETERS

Voltage	3.7V 18650 Battery
Charging	5V/1A TYPEC
Screen	3.0-inch High-definition IPS Screen
Temperature	-5~40°C
Humidity	0-80%
Size	136x153x56mm
Weight	≈ 265g

9.OPTICAL PERFORMANCE

Digital Zoom	6x
Objective Lens Diameter	25mm
Low-light Observation Distance	2m-∞
Total Darkness Observation Distance	300m(max)

10.FIRMWARE UPGRADE

Insert the device into the computer via USB connection and power it on, the computer will pop up a USB drive. Then, place the firmware into the root directory of the USB drive. Wait for a few minutes, the system will automatically complete the upgrade and boot up.

11.CONTACT US

Any FNIRSI users who contact us with questions will receive our promise of a satisfactory solution, plus an extra 6-month warranty as a token of our appreciation for your support! By the way, we have created an exciting community, and we welcome you to contact FNIRSI staff to join.

SHENZHEN FNIRSI TECHNOLOGY CO.,LTD

Product Name: 4K Dual-lens Digital Night Vision Device
Model: NVS-40
Address: 8th Floor, West Side, Building C, Weihua Da Industrial Park, Dalang Street, Longhua District, Shenzhen, Guangdong, China
Tel: 0755-28020752
Service Email: support@fnirsi.com
Business Email: business@fnirsi.com
Website: www.fnirsi.com

http://www.fnirsi.com/