DNVS-14Pro

Digital Night Vision

User Manual

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Warnings and Precautions

WARNING! ITAR REQUIREMENTS

These products may be subject to export and foreign trade control laws of the United States and may not be exported without prior approval of the U.S. Department of State.
Learn more at *www.infitacusa.com*.

WARNING: CHOKING HAZARD

Children under 3 years old can choke or suffocate on small parts of this product. This product is not a toy; keep out of reach of children.

Precautions

- The lens is an important optical component. When installing and using it, avoid contamination and damage to the lens surface from oil and various chemicals.
- Do not use chemical solvents or diluents to clean the surface of the device shell. You can use a clean, soft, dry cloth to wipe it.
- Remove the battery when the device is not in use, and store the device in its provided protective case. For long-term storage, keep the device in a dry, well-ventilated environment.
- Do not expose the device to temperatures below -4°F or above +122°F for extended periods.
- If the device malfunctions or is damaged, please send it to our after-sales service department for repair. Unauthorized disassembly, modification, or repair by anyone other than authorized INFITAC personnel is prohibited.
- If you need to make a product warranty claim, please keep the product packaging and warranty card.

1. OVERVIEW

The INFITAC DNVS-14 Pro Night Vision Monocular is designed with a high-resolution 100Hz CMOS sensor and a wide 45º field of view through a 22mm F1.1 lens, delivering crystal-clear imaging under near zero or low light conditions. DNVS-14 Pro is equipped with an advanced IoT wireless interconnection in its smart battery pack, which enables to transmit images from the Thermal Sight (IOTS) to its own display screen for real-time image and data sharing, as well as support for photo, video, audio recording, and storage functions. Housed within a durable, IP67-rated design, the DNVS-14 Pro ensures operation in various environmental conditions. Powered by two replaceable 18650 batteries, the DNVS-14 Pro offers extended operational readiness, making it a top choice for home defense, and tactical training.

2. FEATURES

- The second generation of high-sensitivity CMOS sensor
- World's First 100Hz Helmet Mounted Night Vision Device
- IoT Wireless Interconnection
- Ultra Compact & Lightweight
- Multimedia Capture System with 32GB internal storage
- Flexible Helmet Mounting with a Standard Wilcox Interface
- Multi Color Palettes: Origin / White / Green

3. TECHNICAL SPECIFICATIONS

Model	DNVS-14 Pro
Digital Detector Specifications	
Sensor type	DG1802 CMOS
Min ambient illumination	0.0001 Lx
Visible spectrum	400-1100nm
Frame Rate	50Hz / 100Hz
Optical Specifications	
Objective Lens	22mm/F1.1
Field of View	45°Diagonal(37°Horizontal x 28°Vertical)
Magnification	1x
Diopter	-5D~ +2D
Focus Range	0.5yds~∞
Display Type	0.6inch 800×600 AMOLED
Battery Power Supply	
Battery Pack	2 x 18650
Max. Operation Time (at t=71.6°F)	20h (at 100Hz)

External Power Supply	5V USB
Functions	
E-zoom	1x、2x、4x
IoT Wireless	support
Photo/Video Recorder	support
Memory Capacity	32GB
Physical Specifications	
Material	AL6063-T6
IP Rating	IP67
Operating Temperature	-4~+122°F (-20 ~ +50°C)
Weight (Battery pack not included)	≤7.4oz (210g)
Dimension (Eyeguard not included)	≤3.6×2.66×1.77 inch (91.5×67.5×45mm)
Smart Battery Pack Specifications	
IP Rating	IP67
Operating Temperature	-4~+122°F (-20 ~ +50°C)
Weight (Batteries not included)	≤6.0 oz (170g)
Dimension	≤4.1×3.3×1.6 inch (105×84.5×40 mm)

*The actual working time depends on the use intensity of the product.

Improvements may be made to the design and software of this product to enhance its features without prior notice.

You can download this User Manual at our official website: *www.infitacusa.com*.

4. ACCESSORIES

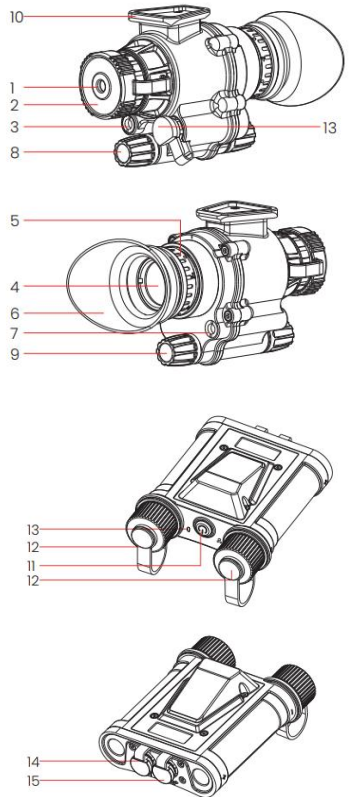
- DNVS-14 Pro Night Vision Monocular
- Smart Battery Pack
- Portable bag
- Rechargeable 18650 Batteries x 2
- Main data cable
- USB cable
- Lens Cloth
- Rubber Eyeguard
- Objective lens cap
- Dovetail Binocular Bridge Mount
- Helmet Flip-up NVG Mount
- INFITAC Brand Sticker
- INFITAC Hook and Loop Fastener
- User Manual
- Warranty Card

Note: The helmet flip-up NVG mount and the dovetail bridge mount included with the package can connect the helmet to the device, the mounts are compatible with the vast majority tactical

helmets with Wilcox interface.

5. COMPONENTS AND CONTROLS

1. Objective Lens
2. Objective lens cap
3. IR Illuminator
4. Eyepiece
5. Diopter adjustment ring
6. Rubber Eyeguard
7. Light Sensor
8. Menu Button
9. Photo Button
10. Standard wilcox interface
11. Power Button
12. Battery Compartment Cover
13. Battery Indicator light
14. Data port
15. USB port



5.1 Models

You can find the product model and SN information on the DNVS-14 Pro monocular ’s body.

DNVS-14 Pro Monocular

You can also enter information menu according to the instructions in Chapter 12 to view the product model and SN information.

6. COMPONENTS AND CONTROLS

Perform a technical inspection to check the following items each time before you use the device.

- Device Appearance: The shell should be free of visible cracks and damage.
- Lens Condition: The lens surface should be free of cracks, oil, stains, or other sediments.
- Device Installation Status: The device's main data cable is correctly connected and securely installed on the helmet, with no signs of looseness.
- Battery Status: The battery is fully charged and there is no foreign matter in the battery compartment.
- The device can be turned on and used normally.
- The device image is clear and free of interference.
- Check that the device's imaging settings are correct.

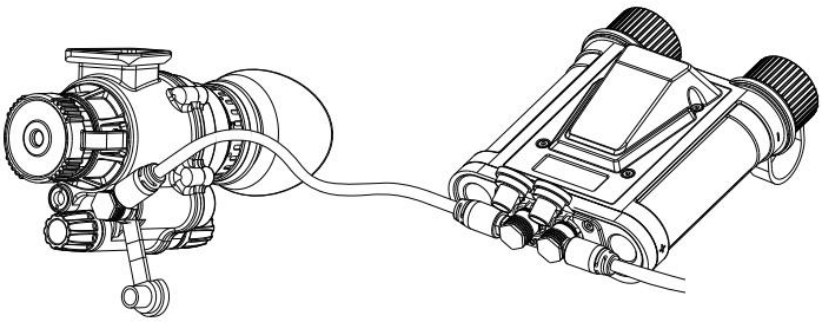
7. INSTALLATION AND USAGE

7.1 Device Connection

1. Use the included main data cable, connect one end to the data port on the night vision device and the other end to the data interface on the battery pack.
2. Unscrew the battery compartment covers on the battery pack, insert two fully-charged 18650 batteries, and tighten the covers.
3. Long press the power button on the battery pack for 2 seconds to power it on. The battery indicator will flash, and then the night vision device will power on. The INFITAC logo will appear on the display.

Note:

If the main data cable is connected to the USB port of the battery pack instead of the data port, the DNVS-14 Pro monocular can still power on after holding the battery pack's power button for 2 seconds. However, in this case, the device will not be able to communicate with the battery pack, and functions such as IoT, audio recording, photo capture, video recording, and file management will be unavailable. Some menu options will also be reduced accordingly.



7.2 Helmet Installation

Before installation, please ensure that your helmet is equipped with a Flip-up NVG Mount interface.

Installation steps:

- Check that the helmet mounting hole (usually located centrally above the forehead) is clean and free of debris.

- Install the included helmet flip-up NVG mount into the helmet mounting hole.
- Insert the included helmet bridge mount into the dovetail slot of the helmet flip-up mount.
- Engage the Wilcox interface of the DNVS-14 Pro monocular into either dovetail slot of the bridge mount.
- Neatly route the cable along the helmet and secure the battery pack to the rear of the helmet using the hook-and-loop fastener.
- Verify that both the DNVS-14 Pro monocular and battery pack are securely installed.
- Adjust the bridge mount and flip-up mount until you can see a clear and comfortable image on the display.

8. BUTTONS AND FUNCTIONS

The DNVS-14 Pro is controlled by the power button of the smart battery pack, and other operations are controlled by its own multi-function buttons (Menu and Photo button).

Power Button		
Current Status	**Short Press**	**Long Press**
Device Off	/	Power On（Battery Pack and then the DNVS）
Home Screen	Display battery level	Power Off（DNVS and then the battery pack）

Menu Button（Objective lens side）				
Current Status	**Short Press**	**Long Press**	**Clockwise Rotate**	**Counterclockwise Rotate**
Standby mode	Exit standby	/	/	/
Home Screen	Enter Standby mode	Enter Menu Screen	1x/4x/2x/1x	1x/2x/4x/1x
Menu Screen	Enter next menu	Return home screen	Move cursor right	Move cursor left
Parameter interface	Confirm	Save and return to previous menu	Move cursor right / Increase the parameter	Move cursor left/ Decrease the parameter

Photo Button（Eyepiece side）			
Current Status	**Short Press**	**Long Press**	**Rotate**
Home Screen	Take a Photo	Start/Stop video recording	Switch the working mode: NV Mode / Interconnect Mode（PIP）/ Interconnect Mode（FULL）
Menu Screen			
Parameter interface			

Note: When the DNVS-14 Pro is not connected to the IOTS device, there is no response while rotating the Photo button.

9. BATTERY

The DNVS-14 Pro are powered by two 18650 batteries, providing up to 20+ hours of normal operation. Before first use, please insert two new or fully charged 18650 batteries.
After turning on the battery pack, short press the power button. The LED light will stay on for 2 seconds, indicating the battery level. A red light indicates less than 20% battery remaining, while a green light indicates more than 20%.

9.1 Battery Installation and Replacement

- Make sure that the battery pack is turned off.
- Remove the two battery covers by turning them counterclockwise.
- Insert two 18650 batteries into the two battery covers, following the polarity note (positive end inwards).
- Replace the battery covers.

WARNING:

- Use only INFITAC-approved 18650 batteries.
- Using any other battery may cause irreparable damage to the smart battery pack or cause a fire.
- Any damage from using an improper battery will not be covered by warranty.

9.2 Remove The Battery

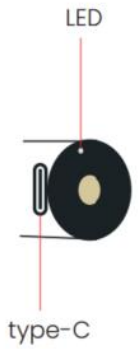
To remove the battery from the DNVS-14 Pro:

- Remove the battery cover by turning it counterclockwise.
- Remove the battery and replace the battery cover.

9.3 Charging the Battery

The DNVS-14 Pro comes with two 18650 lithium-ion batteries, each equipped with a built-in USB Type-C port..

- For charging, please use a standard certified mobile power charger (5V/2A) and a USB cable.
- Insert the USB connector into the USB type-C port of the positive terminal of the 18650 battery, then connect it to the power adapter. During charging, the LED indicator at the positive end of the battery will turn red and switch to green once fully charged.



9.4 Battery Safety Warnings

WARNINGS:

- Replacement of a battery with an incorrect type that can defeat a safeguard (for example, in the case of some lithium battery types).
- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery that can result in an explosion.
- Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas, and a battery subjected to extremely low air pressure that can result in an explosion or the leakage of flammable liquid or gas.
- If the device is not in use for a long time, the battery shall be taken out of the device and stored in a dry place.
- The battery compartment is equipped with battery reverse connection protection, but it is best to avoid incorrect installation.
- Do not expose the battery to high temperatures or flames, and do not immerse in water.
- Do not leave the battery unattended while charging.
- Disconnect the battery promptly after it is fully charged. Charging time should not exceed 24 hours.
- Keep the battery pack out of the reach of children and pets.
- The battery is equipped with short-circuit protection. However, any situation that may cause short-circuiting should be avoided.
- Do not disassemble, modify, hit, or drop the battery pack.
- Do not connect the battery to any external device with an electrical current that exceeds permitted levels.

To maintain optimal battery capacity and service life:

- Avoid storing a fully charged or discharged battery for long periods. Partial charging of the battery is necessary if the battery will be stored for an extended period.
- Do not charge an extremely cold battery without bringing it into a warm environment. Let the battery warm up for 45 minutes before charging.
- Charge the battery at a temperature range from 32 °F to 113 °F, otherwise, the service life of the battery may be reduced.
- The recommended operating temperature range is -4 °F to 122 °F. Avoid using the battery

above the maximum or below the minimum recommended temperature range as this may decrease the battery capacity or service life.

- ◆ When the device is used under sub-zero temperatures, the battery capacity drops. This is normal and does not indicate a defect.

10. EXTERNAL POWER SUPPLY

The DNVS-14 Pro supports external power supply, such as using a phone charger (5V) or a computer USB interface.

Steps for Use:

- Connect the external power source to the battery pack USB port using the USB cable.
- If the device is powered on, it will automatically switch to the external power supply and stop using the battery.
- When the external power is turned off or disconnected, the device will switch to the battery for the power supply.

Precautions:

- When the USB interface is used for the power supply, the default power will come from the power supply, and the internal battery power will be stopped.
- Using a USB interface for power will not charge the battery inside the device.
- Do not leave the device unattended for extended periods when using an external power supply.

11. OPERATION INSTRUCTION

11.1 Power On

- Refer to **Chapter 7** to connect the monocular to the battery pack.
- Long press the **Power button** of the battery pack for 2 seconds, the battery pack powers on, and the indicator light flashes for 3 seconds. Then the DNVS-14 Pro monocular starts up, and the INFITAC logo will appear on the display.

Note:

- If the battery pack is not properly connected to the DNVS-14 Pro monocular, long press the power button will only power on the battery pack, but the monocular will not power on.
- If the battery pack is still not connected to the monocular within 60 seconds, the battery pack will automatically power off.

11.2 Power Off

Long press the **Power button** for 2 seconds, the DNVS 14-Pro powers off, and then the battery pack powers off.

11.3 Standby Mode

You can manually enter the Standby mode to save battery power.

- On the home screen, short press the **Menu button**. The display will turn black, and the device will enter Standby mode.
- Short press the **Menu button** again to exit Standby mode.

11.4 Status Bar Overview

The status bar is located at the top of the screen and displays the information related to the current operating status of the DNVS-14 Pro.

1 Refresh Rate: Shows the current refresh rate, 50Hz or 100Hz

2 Digital Zoom: Shows the current image amplification, 1x, 2x, or 4x

3 IoT: Shows the current IoT status, ON IOT, Connected IOT, or OFF IOT

4 Working Mode: Shows the current working mode, NV Mode, or Interconnect Mode

5 Digital Compass: The digital compass displays at the top of the screen when turned on.

6 IoT AP: Shows the current Wi-Fi Access Point status. IoT AP Icon briefly appears When it enabled.

7 Microphone: Shows the microphone status,ON or OFF.

8 IR Illumination Status: Shows the current IR illumination status. ON or OFF.

9 Time: Shows the current time in 24-hour format.

10 Battery: Shows the current battery status, 1–100% , from 0 bars to 5 bars . When an external power source is connected, the USB connection icon will be displayed.

11 Camera and Video Icon: Camera Icon briefly appears when taking a photo. Recording icon appears during video recording.

12 Storage Full Icon: Appears when the device storage space is insufficient.

13 Tilt Angle: The tilt angle displays when the compass is turned on.

14 Pitch Angle: The pitch angle displays when the compass is turned on.

Note: When the battery icon shows more than 2 bars, it indicates the battery level is above 20% and sufficiently charged. When the battery icon shows 1 bar in red, it indicates low battery, please replace the battery. When the battery icon flashes in red , it indicates critically low battery and imminent power off.

11.5 Working Mode

The DNVS-14 Pro supports two working modes: NV Mode(Night Vision Mode) and Interconnect

Mode.

- NV Mode: Displays the monocular's night-vision image. The NV mode icon appears in the status bar.
- Interconnect Mode: Displays the image from the connected device (e.g., IOL25) in either PIP (Picture-in-Picture) or FULL(Full Screen) display mode. And the interconnect mode icon appears in the status bar

When the DNVS-14 Pro is successfully connected to an IOTS device, you can rotate the photo button to switch current working mode(NV Mode → Interconnect Mode (PIP) → Interconnect Mode (FULL)).

If the DNVS-14 Pro is not connected to an IOTS device, only the NV Mode is available.

11.6 Digital Zoom

To adjust the digital zoom on NV Mode or Interconnect Mode（PIP）：

From the home screen, rotate the **menu button** toggle through the digital zoom levels, with the real-time amplified factor (1x, 2x, or 4x) shown on the left side of the status bar.

11.7 Photography and Video Recording

DNVS-14 Pro supports video recording and image capture functions. All videos and photos are automatically saved to the built-in 32 GB memory storage.

Note: Photo and video files are named with the time and date, therefore, it is recommended to set the date and time before using the photo and video functions.

Photography

- On the home screen, short press the **Photo button** to take a photo.
- The camera icon will appear on the right side of the screen.

Video Recording

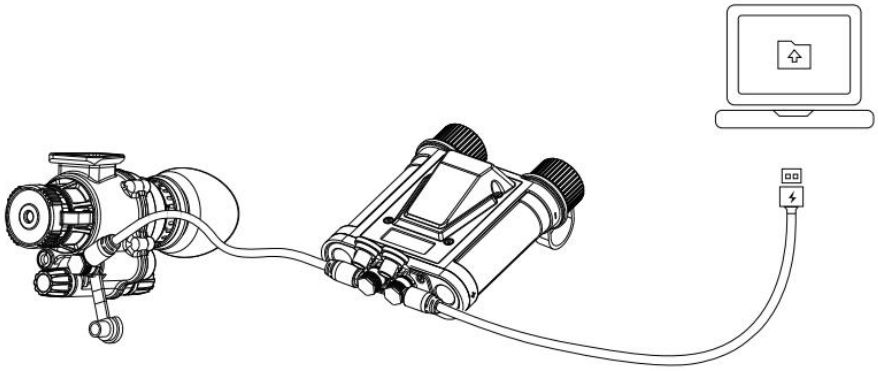
- Long press the **Photo button** to start a video recording. Turn on the microphone in the setting menu if desired.
- When the video recording starts, the video icon and the recording timer 00:00 appear on the right side of the screen.
- When recording, short press the **Photo button** to take a photo.
- Long press the **Photo button** to stop and save the video recording.

Note

- If the available storage space is less than 500M, the insufficient storage icon appears in the upper right corner of the image. It will disappear only when the storage space is cleared and exceeds 500M.
- If the available storage space is less than 50M, when starting photography or video recording, the insufficient storage icon will flash for 3 seconds, and a prompt "Storage full, unable to record video!" will appear in the center of the screen.

11.8 Accessing the Internal Memory

When the DNVS-14 Pro and the battery pack is turned on and connected to a computer via the included USB cable, it is recognized by the computer as a flash memory (USB) drive. This allows the user to access the saved multimedia files and copy or delete any desired files.



To access the internal memory

- Turn on the smart battery pack.
- Connect the USB cable to the USB port of the battery pack.
- Connect the standard USB end of the USB cable to your computer.
- Double-click My Computer on your computer desktop.
- Double-click to open the device named DNVS to access the internal memory. Recorded photos and videos are separated into PHOTOS subfolders by date.
- Select the desired files or folders to copy or delete.

Notes:

◆ The number of recorded files is limited only by the capacity of the internal memory.

◆ Regularly check the available memory storage space and move video footage and images to other storage media to free up space on the memory card.

◆ The internal memory may be reformatted in the advanced settings menu.

◆ Do not use a formatting application or tool to format the internal storage.

11.9 IoT Connection

DNVS-14 Pro supports IoT wireless connectivity via Wi-Fi, allowing it to connect to an IOTS device for wireless image transmission. Once connected successfully, the DNVS-14 Pro monocular can display the live image from the IOTS sight.

Operation Steps:

- On the IOTS device, turn on the IoT function;
- On the DNVS-14 Pro, enter the main menu, select the IoT option, rotate the **Menu button** to turn on the IoT function, then short press the **Menu button** to confirm and return to the previous menu. When IoT is enabled, the IoT icon IOT appears in the status bar.
- Select the IoT settings menu, then choose Search to automatically scan for nearby IoT devices..
- After scanning, available devices will be listed at the top of the menu..
- Rotate the **Menu button** to select the target device (e.g., IOL25-XXXX) and connect.
- When the IoT connection is successful, the DNVS-14 Pro will automatically switch to the interconnect image view, and the IoT icon will change to IOT.
- Rotate the photo button to switch between PIP and FULL interconnect display modes.

11.10 IoT AP Connection

The DNVS-14 Pro supports the IoT AP (Access Point) wireless hotspot feature, allowing mobile devices (such as smartphones or tablets) to connect directly to the DNVS-14 Pro via Wi-Fi. Once the IoT AP connection is established, you can view the DNVS live image and operate the device through the INFITAC APP.

Operation Steps:

1. Enter the Advanced Settings menu, select IoT AP, rotate the **Menu button** to turn on the IoT AP function, then short-press the Menu button to confirm and return to the previous menu. When IoT AP is enabled, the corresponding IoT AP icon will appear in the status bar.
2. On your mobile device, search for Wi-Fi networks and select DNVS-14-Pro-XXXX (XXXX represents a 4-digit number). Enter the password 12345678 to connect.
3. Once connected, you can view the DNVS live image on your mobile device using the INFITAC APP.

12. MENU

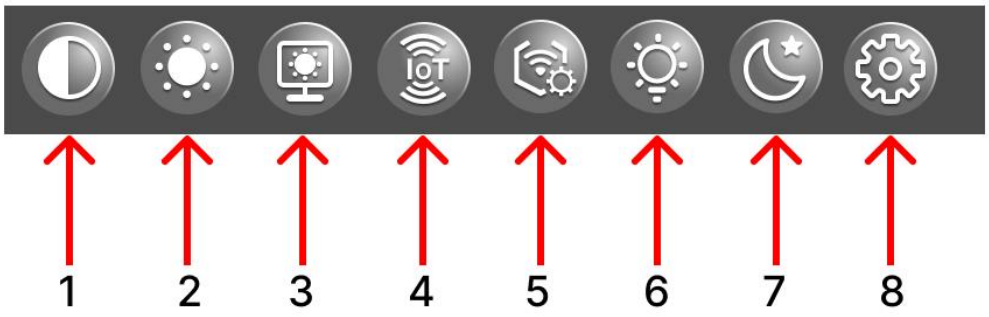
On the home screen, long press the **Menu button** to enter the main menu.

In all menu interfaces:

- Rotate the **Menu button** to switch menu options.
- Short press the **Menu button** to adjust the parameters of the current menu or enter the subsequent parameter menu.
- Long press the **Menu button** to save changes and return to the previous menu.

Notes: If no operation is performed within 60 seconds in certain menus, the device will automatically return to the home screen without saving parameter changes.

12.1 Main Menu



1 Contrast

In the Contrast menu, you can adjust the image contrast level:

- There are ten levels available: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9.
- The default is 5.

2 Image Brightness

In the Image Brightness menu, you can adjust the image brightness level.

- There are ten levels available: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9.

- The default is 5.

3 Screen Brightness

In the Screen Brightness menu, you can adjust the screen brightness level:

- There are ten levels available: Auto 1, 2, 3, 4, 5, 6, 7, 8, 9. Auto allows the screen brightness to adjust automatically.
- The default is Auto.

4 IoT

In the IoT menu, you can switch the IoT function ON or OFF.
The default is OFF.

5 IoT Setting

In the IoT Setting menu, you can search the IoT device and adjust the interconnect display mode.

- Search: Search and connect the IoT devices. You can refer to the Chapter10.9 to connect to an IoT device.
- Display Mode: PIP (Picture-in-Picture) or FULL(Full Screen) display mode. The default is PIP display mode.

6 Fill-in Light

In the Fill-in Light menu, you can turn on or off the IR illumination light, and adjust the brightness level.

- There are six levels, OFF, 1, 2, 3, 4, 5. When the level is on the 1-5, the light is on.
- The default is OFF

7 Low-light Mode

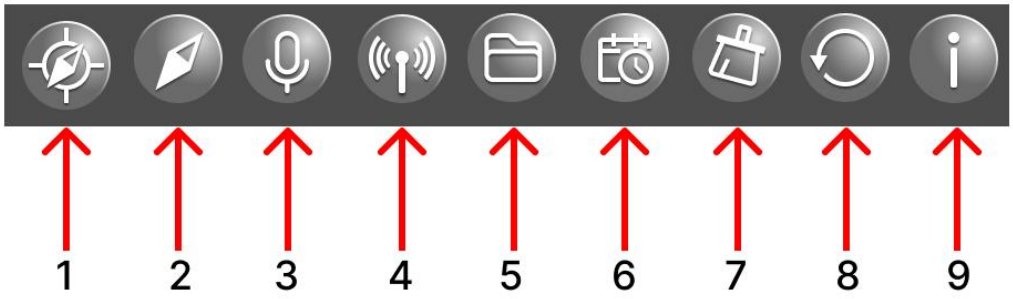
In the Low-light Mode menu, you can adjust the low-light image polarity

- There are three image polarities, Origin(original image), Green(Green phosphor image), or White(white phosphor image).
- The default is Origin.

8 Advanced Settings

Enter the Advanced Settings menu to adjust additional parameters.

12.2 Advanced Settings Menu



1 Compass Calibration

Enter Compass Calibration menu, you can calibrate the compass's parameters.

- Follow the on-screen prompt: place the device at +45° tilt, 0° level, and –45° tilt, and rotate it horizontally in each position for a full circle (more than 360°).
- After successful calibration, the system automatically saves the parameters and returns to the previous menu with the message “Compass Calibration Successful!”.

If calibration is not completed or exit by long-pressing the Menu button, the parameters will not be saved.

2 Compass

In the Compass menu, you can turn the digital compass ON or OFF.

The digital compass is ON by default.

3 Audio Recording

In the Recording menu, you can turn the microphone ON or OFF.

The audio recording is OFF by default.

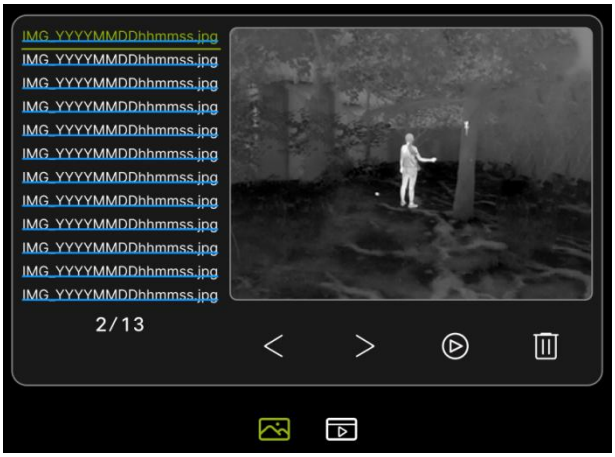
4 IoT AP

In the IoT AP menu, you can switch the IoT AP function ON or OFF.

The default is OFF.

5 File Management

In the File Management menu, you can preview or delete pictures and video files from the internal storage.



6 Date and Time Settings

In the Date and Time Settings menu, you can set the current date and time.

7 Formatting

In the Formatting menu, you can erase the internal memory card.

WARNING: Before formatting, make sure to back up any photos and videos you want to keep. All files saved on the internal memory card will be permanently deleted.

8 Factory Reset

In the Factory Reset menu, you can reset all device parameters to factory defaults.

Note： Settings reset cannot be undone. The settings listed below will be reset to the factory defaults:

- Digital zoom: 1x
- Screen brightness: Auto
- Image brightness: 5
- Contrast: 5
- Working mode: NV mode
- Image polarity: Origin
- IoT: OFF
- IoT Display Mode: PIP
- IoT AP: OFF
- Compass: ON
- IR Illumination: OFF
- Recording: OFF

9 Information

In the Device information menu, you can view the relevant information of the current device (device model, storage capacity, PN, SN, software version, hardware version and IoT information).

13. USING THE INFITAC APP

The DNVS-14 Pro can be operated by using the INFITAC App when connected to a tablet or smartphone.

Install the APP

- Download and install the INFITAC APP for free from the App Store or Google Play.
- Visit *www.infitacusa.com* for the latest download links.

Connect your mobile device to DNVS-14 Pro

- Turn on the IoT AP function in Settings menu.
- On your mobile device, search for Wi-Fi networks and select DNVS-14-Pro-XXXX
- Enter the password 12345678 to connect.(See **Chapter 11.10.**)

After the APP connects to the DNVS-14 Pro, you can:

- View the DNVS-14 Pro real-time image and take photos and videos.
- View, download, share, and delete photos and videos saved on the DNVS-14 Pro.
- Adjust DNVS-14 Pro settings such as the image polarity and digital zoom level.
- Synchronize the date and time from the mobile device.

14. BUTTON CELL BATTERY WARNINGS

⚠ WARNING

- **INGESTION HAZARD**: This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH Of CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.

Statement: The product contains a non-replaceable battery.
Battery type: MS621T Nominal voltage: 3V

- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Compatible battery type MS621T. Nominal battery voltage 3.0V.
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.

- The product contains a non-replaceable battery.

15. FCC REGULATIONS

FCC ID: 2BRRE-DNVSM1

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.

NOTE: 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.

CAUTION: Any changes or modifications to this device not expressly approved by INFITAC for compliance could void the user's authority to operate the equipment.

16. CLEANING & GENERAL CARE

The maintenance should be carried out at least twice a year and includes the following steps:

- Use a clean, soft, dry cotton cloth to wipe the external surfaces of the product's metal and plastic parts, removing dust and dirt.
- Clean the electric contact and battery slots on the device using a non-greasy organic solvent.
- Check the glass surface of the eyepiece and lens. If necessary, clear off the dust and sand on the lens (it is perfect to use a non-contact method). Use a specialized wiping tool and solvent to clean the optical surfaces.

17. GENERAL TROUBLESHOOTING

The following table lists some potential issues when operating the device and their corresponding solutions. If you encounter these issues while using the product, please follow the suggestions and solutions in the table to troubleshoot and fix them. If the issue persists or an unlisted fault occurs that cannot be self-repaired, contact the supplier for factory repair immediately. You can also visit *www.infitacusa.com* for solutions to your product problems, or email us at *support@infitacusa.com* for more detailed information. Do not disassemble and repair it yourself or have it repaired by a third party not authorized by INFITAC, as this will void your product warranty.

Fault	Possible Causes	Solutions
The DNVS-14 Pro cannot turn on.	The battery is low or completely discharged.	Charge the battery.
The DNVS-14 Pro cannot connect to a computer or external power supply.	The USB cable is damaged.	Replace the USB cable.
	The computer is turned off.	Power on the computer.
	The external power supply is insufficient.	If necessary, check the external power supply.
The image is too dark.	The screen brightness is insufficient.	Adjust the screen brightness in the main menu.
The icons are clear but the image is fuzzy.	There is dust or ice on the exterior optical surfaces of the lens.	Check the objective lens surface and wipe off dust or frost with a soft cloth.
The DNVS-14 Pro cannot connect to mobile device (smartphone or tablet).	IoT AP function is not turned on in DNVS-14 Pro.	On the DNVS-14 Pro device, enter the Settings menu, select the IoT AP menu, and turn on IoT AP. Refer to **Chapter 12.2.**
	Wi-Fi password is not entered correctly in mobile phone.	Enter correct password 12345678.
	Too many Wi-Fi signals around the device.	Move the device to an area with no or fewer Wi-Fi signals.
Wi-Fi signal has been lost or interrupted.	Smartphone or tablet is out of range of a strong Wi-Fi signal, or there are obstacles between the device and the smartphone.	Try again when the Wi-Fi signal is stable. Relocate the mobile device closer to the DNVS-14 Pro.
IoT / Recording / Photo / Video Recording / File management function are unavailable	The main data cable was mistakenly plugged into the battery pack′s USB port.	Plug the main data cable into the battery pack′s data port.
Files Cannot Be Exported	The USB cable was incorrectly connected to the battery pack′s data port.	Use the included USB cable to connect the battery pack′s USB port to the computer.

18. WARRANTY POLICY

Under normal use and maintenance conditions, if this product experiences performance failure due to material, workmanship, or manufacturing issues within the warranty period, we promise to provide warranty service.

Our warranty follows the product. During the announced warranty period, at our sole discretion, INFITAC will repair or replace products found defective under normal use without charge, excluding any delivery costs, which will be born by purchaser. We will not be liable for

incidental, consequential, or special damages arising out of or in any connection with the use or performance of this product.

Our warranty covers only normal use and does not include normal wear and tear of the device's appearance, theft, loss, intentional damage, any force majeure, or any situation arising from unexpected use. Visit *www.infitacusa.com* for the latest complete warranty information and other conditions.

19. TRADEMARKS

INFITAC is trademark owned by INFITAC. For more details, visit *www.infitacusa.com*.

20. CONTACT

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