Nocpix | www.nocpix.com

NITE

Digital Night Vision Scope

User Manual

NITE D70R

V1.0

IMPORTANT SAFETY INFORMATION

Environmental influences

- Never point the lens of the device directly at intense heat sources such as the sun or laser equipment. The objective lens and eyepiece can function as a burning glass and damage the interior components.
- Avoid touching the metal surface (cooling fins) after exposure to sunlight or cold.

Ergonomics notes

Take breaks after longer periods of use to avoid wrist pain.

Risk of swallowing

Do not place this device in the hands of small children. Incorrect handling can cause small parts to come loose which may be swallowed.

Safety instructions for use

- Handle the device with care: rough handling can damage the internal battery.
- Do not expose the device to fire or high temperatures.
- Install the batteries correctly according to the instruction on the device. Reverse connection is prohibited.
- The battery capacity decreases when operated in a cold ambient temperature. This is not a fault and occurs for technical reasons.
- The recommended temperature for using this product is -20° to +50°. Otherwise, it will affect the service life of the product.
- Do not store the device for long periods at temperatures below -20°C or above 50°C, or it will permanently reduce the battery capacity.
- Always store the device in a dry, well-ventilated space.
- If the device has been damaged or the battery is defective, send the device to our after-sales service for repair.

Safety instructions for the power supply unit

- Check the power supply unit, cable and adapter for visible damage before use.
- Do not use any defective parts. Defective components must be replaced.
- Do not use the power supply unit in wet or humid environments.
- Only charge the device at temperatures ranging between 0°C and 50°C.
- Do not make any technical modifications.

Disposal of batteries

Directive 2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. For battery details,

refer to the documentation of the specific product. The battery is marked with this symbol, which may include Cd (indicating cadmium), Pb (indicating lead), or Hg (indicating mercury). For proper recycling, please return the battery to your supplier or send it to a designated collection point. For more information, visit www.recyclethis.info.

User information on the disposal of electrical and electronic devices (private households)

2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info.

For business customers within the European Union

Please contact your dealer or supplier regarding the disposal of electrical and electronic devices. He will provide you with further information.

Information on disposal in other countries outside of the European Union

This symbol is only applicable in the European Union. Please contact your local authority or dealer if you wish to dispose of this product and ask for a disposal option.

Intended use

The device is intended for displaying heat signatures during nature observation, remote hunting observations and for civil use. This device is not a toy for children.

Use the device only as described in this operating manual. The manufacturer and the dealer accept no liability for damages which arise due to non-intended or incorrect use.

Function test

- Before use, please ensure that your device has no visible damage.
- Test to see if the device displays a clear, undisturbed image.
- Check that the settings for the thermal imaging monocular are correct. See the notes in the section **Power On and Image Settings**.

Installing/Removing the battery

The NITE Thermal Imaging Scope is equipped with two power supply systems - one built-in battery pack and one replaceable 18650 battery. The built-in battery pack cannot be removed.

1 Specifications

Model	**NITE D70R**
Resolution, Pixels	3536×3536
Pixel Size	2μm
Frame Rate, Hz	60
Objective Lens, mm	70/F2.0
Display	AMOLED 1920×1200
Field of View (H×V), °/m at 100m	5.8°×5.8°/10×10
Magnification, ×	5~40
Diopter, D	±5
Eye Relief, mm	48
Exit Pupil	10
LRF, m	1200
Battery Type	Built-in battery/4000mAh +replaceable 18650 battery
Max. operation time, (t=22°C) h	≥7
IP rating	IP67
Operating temperature, ºC	-20 ~ +50
Memory capacity, GB	64
WIFI	Support

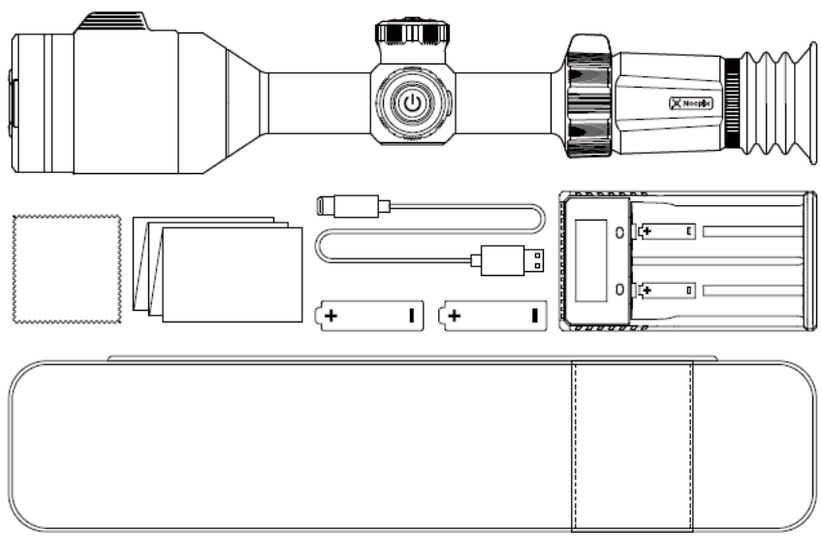
MIC	Support
Video	Support
Weight, g(Without Replaceable Battery)	1055
Dimension, mm	405×95×80

★ The actual operating time depends on the density of Wi-Fi use, photographing, video recording, etc.

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

2 Package Contents

- NITE series day and night Scope
- Portable bag
- 18650 Battery (× 2)
- Data cable
- Lens cleaning cloth
- Quick start guide
- 18650 Battery charger



3 Description

The NITE Series is a day-night digital scope. Equipped with a 3536×3536 ultra-high-definition sensor and 60Hz ultra-high refresh rate, it delivers exceptionally clear imaging. Its 70mm telephoto lens ensures outstanding performance for long-distance shooting.

Featuring a dual-battery system, it offers up to 7 hours of runtime on a full charge. With externally accessible 18650 batteries—widely available and affordable—users can easily purchase replacements, enabling uninterrupted all-day hunting.

4 Features

- 3536×3536 2μm sensor
- 60Hz high frame rate
- Built-in LRF
- Ballistic Calculation
- Recoil-activated video function
- Gallery function
- Dual power supply system
- Built-in memory
- Built-in Wi-Fi module, supporting APP connection
- Replaceable and rechargeable 18650 battery
- Convenient operation interface
- Electronic zoom
- 30mm pipe diameter

5 Components and Buttons

1.70mm F2.0 lens

2. LRF

3. Focus knob

4. Battery Holder

5. Menu Button

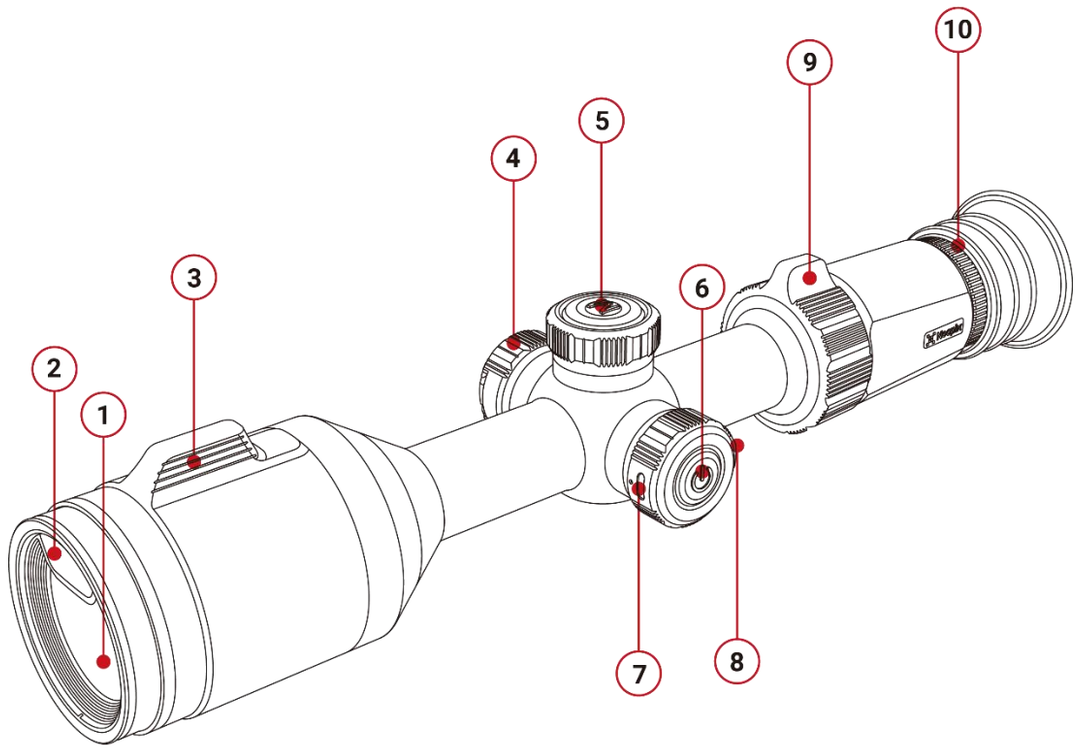
6. Power Button

7. Type-C

8. LRF/Video Button

9. E-Zoom knob

10. Diopter Adjustment Ring



6 Button Operations

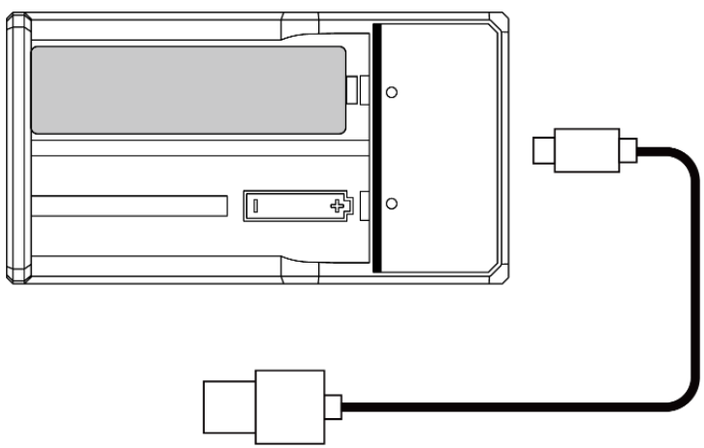
Button	Device State	Short Press	Long Press (0.8s, regardless of release)
Power Button	Off	—	Power on
	Home screen	Standby (screen off, main chip idle)	Enter shutdown countdown (3s). Shutdown after countdown; press any key to cancel.
	Standby state	Cancel standby	Cancel standby
	Menu screen	Exit without saving (return to previous)	Enter shutdown countdown (3s). Shutdown after countdown; press any key to cancel.
LRF Button	Home screen	Single ranging	Start recording
	Recording screen	Single ranging	Stop & save recording
M Button	Home screen	Open quick menu	Open main menu
	Recording screen	Open quick menu	Open main menu
	Quick menu	Toggle ON/OFF Confirm parameters Open sub-menu	Save & return to previous menu
	Menu screen	Toggle ON/OFF Confirm parameters Open sub-menu	Save & return to previous menu

Button	Device State	Clockwise Rotation	Counterclockwise Rotation
E-ZOOM Knob	Home Screen	Zoom in	Zoom out
knob	Home screen	Cycle image modes: Day → Night → Amber → Viridian	Cycle image modes: Viridian → Amber → Night → Day
	Quick Menu Screen	Cycle functions top to bottom	Cycle functions bottom to top
	Main Menu Screen	Cycle functions top to bottom	Cycle functions bottom to top
	Zeroing/ Pixel defect calibration interface	Move the reticle left	Move the reticle right

7 Battery charging

The NITE series uses the replaceable and rechargeable 18650 battery and Built-in battery. Please charge the Battery before use.

Charging the 18650 Battery

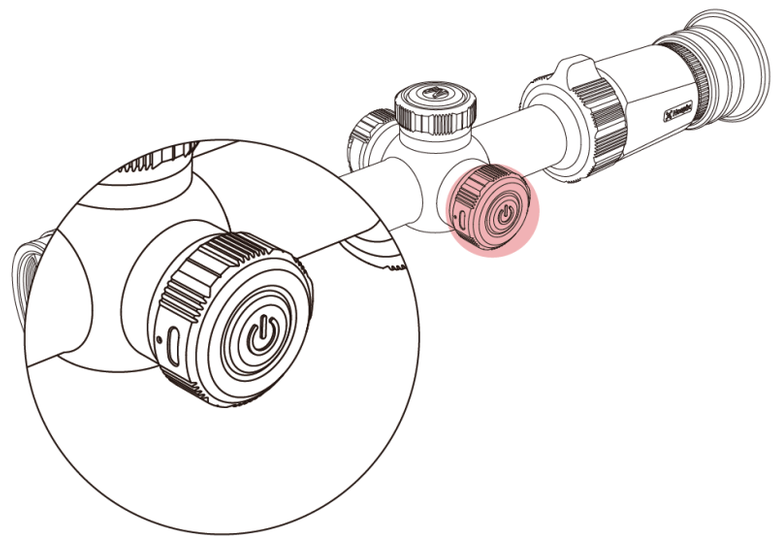
- Insert the Type-C plug of the data cable into the charger port
- Insert the other end of the data cable into the USB port of the power adapter
- Insert the power adapter into a 100V-240V power socket to charge the battery
- During the charging process, the LED indicator on the charger will light up red. When the LED indicator on the charger turns green, it indicates that the battery is fully charged.
- 

Charging the Built-in Battery of the Device

- Insert the Type-C end of the data cable into the Type-C port.
- Connect the other end of the data cable to the power adapter.
- Insert the power adapter into a 100-240V power socket for charging.
- The battery icon will change to a charging icon on the display.
- During battery charging with the Type-C port, the status indicator on the NITE series will also change to indicate the battery status.

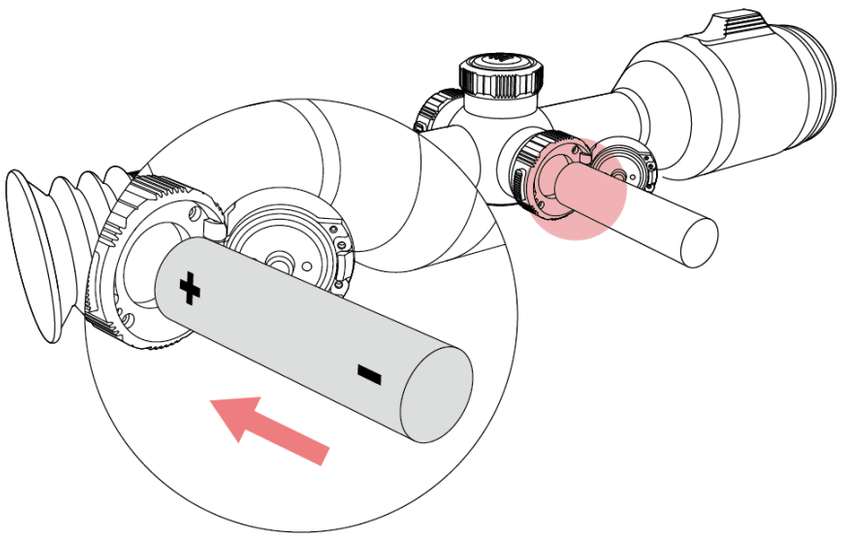
  — The indicator stays red, indicating that the battery is charging.

  — The status indicator turns green, indicating the battery is fully charged.



Installing the 18650 Battery

➢ Please install the 18650 battery correctly according to the following polarity markings.



Note: The replaceable 18650 battery should be charged using a separate battery charger and cannot be charged via the NITE's Type C interface.

Precautions for Battery

- After a long storage time, the battery should be partially charged, not fully charged or discharged.
- Do not charge the battery immediately after you bring it from the cold environment to the warm environment. Wait 30 to 40 minutes for it to warm up.
- Do not charge the battery unsupervised.
- Charge the battery in the environment of 0°C to +45°C. Otherwise, the service life of the battery will be reduced.
- Charging time should not exceed 24 hours.
- Do not expose the Battery to high temperature or a naked flame.
- Do not immerse the Battery in water.
- Do not connect external device with a current consumption that exceed permitted levels.
- The Battery is equipped with a short circuit protection function. However, any situation that may cause short-circuiting should be avoided.
- Please do not disassemble or modify the Battery without professional instructions.
- Do not knock or drop the Battery.
- The battery capacity may decrease when using the battery in negative temperature, that is normal, not a defect.
- Avoid using the Battery at the temperature above the temperature shown in the table, this may decrease the battery life.
- Please keep the Battery out of the reach of children.

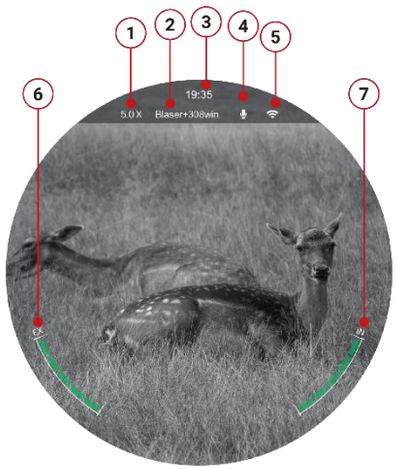
8 External Power Supply

- The NITE series can be powered by external power sources such as a 5V power bank.
- Connect an external power source to the Type-C port on the left side of the NITE series.
- The device will switch to being powered by the external power source while simultaneously charging the built-in battery (the 18650 battery cannot be directly charged through the device).
- The battery icon will change to the charging icon.
- When the external power source is disconnected, the NITE series will automatically switch to being powered by the battery pack without powering off.

9 Power On/Off and Image Settings

- Press and hold the Power button for 2s to start the device. Wait for 3s to complete the startup.
- Adjust the clarity of icons on the display by rotating the eyepiece diopter adjustment ring.
- Rotate the Lens focus ring to focus on the object to be observed.
- On the Home screen, short press the Menu button to enter the shortcut menu.
- Long press the Menu button to enter main menu.
- You can adjust the brightness, sharpness and contrast of the image on the shortcut menu page
- On the Home screen, press and hold the Power button to initiate a 3-2-1 countdown prompt. When the countdown completes, the device will power off.
- On the standby screen, either short press or long press the Power button will wake up the device.

10 Status Bar Icons



1. Current magnification

2. Zeroing file（The default is profile1, and the name can be changed in the APP）

3. Time (Set it in the Main Menu or synchronize the time in the NOCPIX APP)

4. MIC status (: MIC is OFF. : MIC is ON)

5. WIFI status (: Wi-Fi OFF. : Wi-Fi ON)

6. Power status of the replaceable battery (18650 battery)

7. Power status of the built-in battery pack

11 Zeroing

Zeroing

- When installing a new scope for the first time or switching to a different firearm, you need to re-zero it. During zeroing, check that the scope, rings, and base are securely fastened to avoid any looseness.
- Press and hold the Menu button to enter the Main Menu. Rotate the Controller to select the Zeroing option. Click on Zeroing, you can find profile 1(You can change the name of the file in the APP,eg.Blaser+308win)

- Long-press M > Zeroing > Select profile1, Select the zeroing icon to enter the zeroing screen.

- Set a suitable target, adjust the distance, and shoot accurately at the target. If you are unsure of the distance to the target, you can press the LRF button, and the rangefinder's distance will automatically update to the zeroing distance.

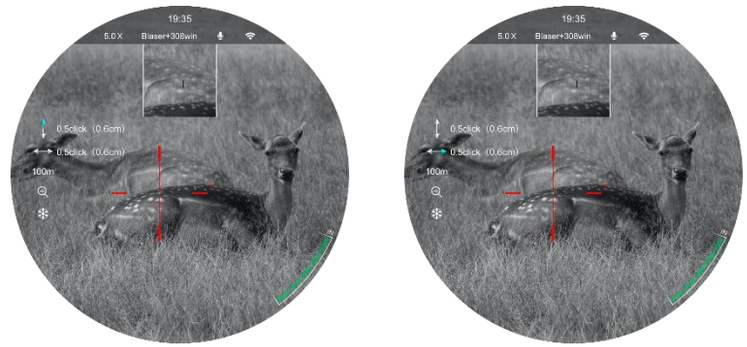
- If the POI does not match the reticle, select the Image Freeze icon, short press the Menu button to freeze the image.

Adjust the X/Y position of the reticle:

a. Short press the Menu button to select X or Y direction. The selected axis will turn from white to blue

b. Rotate the controller to move the reticle position.

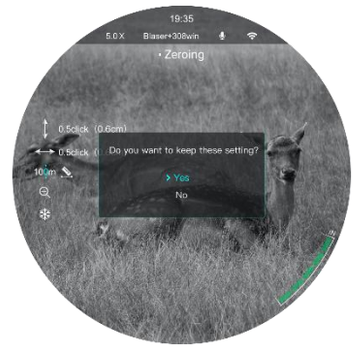
c. A red cursor representing the original position of the reticle.



d. When the reticle matches the POI, long-press the Menu button to save the reticle position.

Shoot again to check if the POI matches the reticle or not.

If not, do the zeroing again.



Reticle

- If you don't like the reticle type of your scope, or if you want to try a different reticle style, you can set the type and color of the reticle in the following three Settings
- Press and hold the Menu button to enter the Main Menu. Rotate the Controller to select the Reticle Type option. Click on Reticle Type, and you will find 1 to 7 different reticle types to choose from.
- Turn the top knob to cycle through reticle options (1–7). When your preferred pattern appears, press and hold M to lock it in.

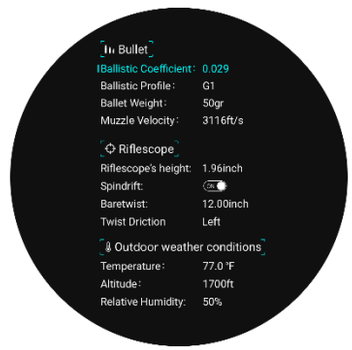
- Color: Same steps as above.

Ballistic Calculation

The ballistic calculator determines the bullet's SPOA (Sighted Point of Aim) using pre-set gun/ammo data, environmental factors, and range, enhancing precision.

- Set the Ballistic Calculation to ON and you can see the folded Settings

- You can set the type and color of the SPOA in the following two Settings.



- Rotate the top knob to select a value.
- Press and hold M to confirm.

Note: This follows the same process as reticle pattern selection.

- You can set the units you want in the “Ballistics Calculation Units

Note: Select either MOA or MIL as your angular unit (not both). Similarly, choose cm or inch for linear measurements.

- Set parameters of bullets, rifles, and the environment.
- Parameter settings can also be adjusted through the NOCPIX APP.

12 Laser Rangefinder

- Press and hold the Menu button to enter the Main Menu. Rotate the Controller to select the Laser Rangefinder option.
- You can set the LRF Reticle type, LRF Reticle color, LRF Reticle display time, and Range Date display time in the “**Laser Rangefinder”**
- If you set the LRF Reticle button to "On," the LRF Reticle will remain displayed on the Home screen after ranging. If you set the LRF Reticle button to "2s," the LRF Reticle will disappear from the Home screen 4 seconds after ranging. The Range Data follows the same logic.
- Click on Reticle Type, you will find 1 to 4 different LRF reticle types to choose from. Turn the top knob to cycle through reticle options (1–4). When your preferred pattern appears, press and hold M to lock it in.
- Color: Same steps as above.

13 Digital Zoom

The **NITE** series **supports digital zoom using the Controller.**

When PIP is OFF, digital zoom applies to the main screen.

The main screen digital zoom ratio for the NITE series is as follows:

- NITE D70R: 5x~40x

When PIP is ON, digital zoom applies only to the PIP screen.

The PIP digital zoom ratio for the NITE series is as follows:

- NITE D70R: 10x~80

14 Video Recording

The NITE series supports photo and video recording. Press the **LRF/Video Button** to start a single range, press and hold the **LRF/Video Button button** to record a video.

Each time a video is recorded, a camcorder icon will appear on the display, along with the recording time.

When the device's memory space is less than 50MB, an exclamation mark icon will appear, indicating insufficient memory space. Please clear the memory space promptly.

Memory Access

When the device is powered on and connected to a computer, it will be recognized by the computer as a flash memory card. Then, you can access the memory of the device and copy images and videos.

- Connect the device to a computer through the USB cable.
- Power on the device.
- Double-click My Computer - Double-click to open the device named NOCPIX - Double-click to open the device name NITE to access the memory.
- There are different folders named by date in the format of xxxx (year) xx (month) xx (day) in the memory.
- Recorded photos and videos on that day are saved in the folders.
- Select desired files or folders to copy or delete.

15 Update and NOCPIX APP

Client Software Connection

The NITE series thermal imaging Scope supports control with **NOCPIX** App, which allows you to transmit images in real time, operate the device, and update the program by connecting a smartphone or laptop via Wi-Fi.

You can download and install the NOCPIX App In the official website (www.nocpix.com) or the app store. Alternatively, you can scan the QR code below to download it for free.

Download on the App Store

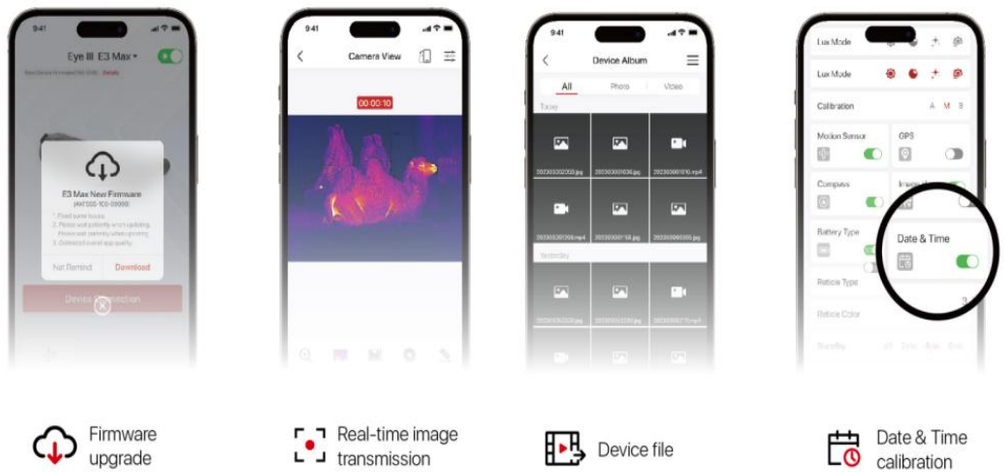
GET IT ON Google Play

The NITE series has a built-in Wi-Fi module. The device can connect to an external apparatus (computer or mobile phone) via Wi-Fi.

- In the home screen, press and hold the **M button** to go to the main menu. enable the Wi-Fi on the device.
- After the Wi-Fi is enabled, search for the Wi-Fi named **NITE_D70R_XXXXXXX** on the external device, among which XXXXXXX is the serial number of the device. Select the Wi-Fi, enter the password, and connect. The initial password is **12345678**.
- After the Wi-Fi connection is established, you can control the device via the mobile app.
- Through the APP, many functions can be achieved, such as upgrade device、real-time image transmission、device file and date&time calibration.

Upgrade Device

- When installation completed, open NOCPIX application.



- If your device has been connected to a mobile device, please switch on the mobile data in mobile device. After connection, an update prompt will be displayed automatically in the APP. Click **Now** to download the latest version immediately or click **Later** to update later.
- **NOCPIX** can store the last connected device automatically. Therefore, once you have connected with **NOCPIX** before, it will

automatically detect the update even when the scope is not connected to a phone or laptop.

- If an update is available and the mobile device accesses the internet, you can download the update first. When the device is connected to the mobile device, it will be updated automatically.

After the update is installed, the device will restart automatically.

16 Shortcut Menu

On the home screen, press the Menu button to enter the Shortcut Menu options.

On the Shortcut Menu, rotate the Controller to switch between different Shortcut Menu options, and press the Menu button to adjust the parameters of the Shortcut Menu.

If there is no operation for 7 seconds, the Shortcut Menu will exit automatically.

You can also exit the Shortcut Menu screen by pressing and holding the Menu button or pressing the Power button.

Mode 	• Short press the Menu button to enter the shortcut Menu options; • Within the Mode options, short press the Menu button to switch between different modes. • The color modes include: day, night, orange, and green.
Screen Brightness 	• Short press the Menu button to enter the shortcut Menu options; • Rotate the controller to switch to Screen Brightness options; • Within the Screen Brightness options, short press the Menu button to switch between different screen brightness levels. • Screen brightness has 10 levels to choose from, we recommend a screen brightness of 5.
Image Contrast 	• Short press the Menu button to enter to the Image Contrast options; • Rotate the controller to switch to Image Contrast options • Within the Image Contrast options, short press the Menu button to switch between different Image Contrast levels. • Image Contrast has 10 levels to choose from, we recommend a contrast level of 5.
Image Sharpness 	• Short press the Menu button to enter to the Image Sharpness options; • Rotate the controller to switch to Image Sharpness options • Within the Image Sharpness options, short press the Menu button to switch between different sharpness levels. • Image Sharpness has 10 levels to choose from, we recommend a sharpness level of 5.
Ballistic Distance 	• Short press the Menu button to enter to the Ballistic distance; • Click the ballistic distance, will automatically jump to the next 100 m / 200 m / 225 m / 250 m / 300 m / 350 m / 400 m / +, cycle show, will automatically appear ballistic value of the corresponding distance • The default value displayed is the calibration distance at zero

17 Main Menu

Press and hold the Menu button to open the Main Menu; Within the Main Menu options, rotate the controller to switch between different main menu options.

Icons change from white to blue when a Main Menu option is selected.

Press the Menu button to adjust the parameter settings of the Main Menu;

If there is no operation for 7 seconds, the Main Menu will exit automatically. You can also exit the Main Menu screen by pressing and holding the Menu button or pressing the Power button.

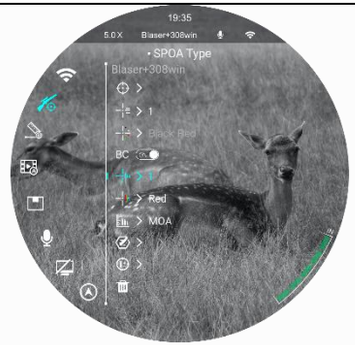
Within the Main Menu options, you can perform the following settings:

Wi-Fi	Default: **Off**. ● Within the WIFI option, press the Menu button to enable or disable WIFI. ● After the Wi-Fi function is on, search for the Wi-Fi signal with the name "NITE D70R_XXXXXXX" on the mobile device. ● Select the Wi-Fi and enter the password to connect. The initial password is 12345678. ● When Wi-Fi is successfully connected, it supports to control the scope via the NOCPIX APP downloaded in the mobile device. Setting Wi-Fi name and password.

Reticle & Zeroing	**Zeroing**	• **Vertical/Horizontal Reticle Movement**: Rotate the knob to move the selector. Click the vertical/horizontal adjustment icon (flashing), then rotate the knob to adjust. • **Zeroing Distance**: Default 100m. Rotate the knob to set the 3-digit value. Click the LRF button to measure distance directly. • **Image Zoom**: Click the zoom icon to cycle through 1x~4x magnification. • **Freeze Frame**: Click the freeze icon to lock/unlock the image. • **Auto-Save**: Exiting prompts "Zeroing Saved." 

	Reticle Type	Default: **Type 1**. Rotate knob to select type, press **M** to confirm. Within the Reticle Type option, there are 7 reticle styles to choose from. Type 8 allows users to customize their own reticle types via the APP.  

	Reticle Color	Default: **Black-Red** (central crosshair red, others black). Options: Black-Red, Black-Green, White-Red, White-Green, Black-White, White-Black, Red, Green.  
	Ballistic Calculation BC	Default: **Off**. When enabled, ballistic settings expand.Specific parameter Settings can be referred to the " Zeroing" section above. 

	SPOA Type	  Default: **Type 1**. Rotate knob to select, press **M** to confirm.
	SPOA Color	Default: **Blue**. Options: Blue, Green, Red, White, Black.  

	Ballistic Units	**MOA/Mil/cm/inch**: Toggle mutually exclusive units (e.g., MOA and Mil cannot both be On).  
	Parameter Settings	From Home screen: Long-press **M** > Select profile (A~E) > Rotate knob to adjust parameters (e.g., velocity, bullet weight). Press **M** to edit values. 

	Ballistic Distance	Default: 200/225/250/275/300, listed from top to bottom. Short press the M button to enter the editing interface, rotate the top knob to adjust the value, short press the range key to take a ranging value, long press the M button to save.  
	Delete	After selecting the delete icon, press the M button to bring up a pop-up window: "Delete the current profile? — yes/no". Select yes to delete the current profile. If the last profile is deleted, a new "Profile 1" will be automatically created. 

<table>
<tr><td rowspan="2">Laser Rangefinder</td><td>LRF Reticle</td><td>Default “2s“.

Reticle displays for 2s if Select "2s", Reticle is always displayed on the display if you select "ON".

 
</td></tr>
<tr><td>Range date</td><td>Default “2s”.

Value displays for 2s if Select "2s", Reticle is always displayed on the display if you select "ON".

 
</td></tr>
</table>

	Laser Ranging Reticle	Default: **Type 1**. Rotate knob to select, press **M** to confirm.  
	Laser Reticle Color	Default: **Blue**. Options: Blue, Green, Red, White, Black, Yellow.  

<table>
<tr><td rowspan="2">Recoil Activated Video
  </td><td>RAV</td><td>Default: Off.
When enabled, the device will start recording 8 seconds before the shot is detected and continue for a total of 30 seconds.
  </td></tr>
<tr><td>E-Zoom After Recoil</td><td>Default: Original.
Original/5×/10× (selectable)
If 5× is selected, the main view will automatically zoom to 5× after the shot; the same applies for 10×. After adjusting the zoom knob, the magnification will follow the knob's setting.
  </td></tr>
</table>

	Recoil Sensitivity	Default: 2. **1–6 (selectable)** The higher the value, the greater the recoil intensity required to trigger RAV. 
Picture-in-Picture (PIP)		When enabled, a 150×150 area from the center is magnified (300×300) and displayed at the top with a white border. Zoom level is shown below PIP.  

Microphone 	Default: **Off**. Enables audio recording during video capture. 
Standby 	Default: **Off**. Activates when device tilts >70° from horizontal. 

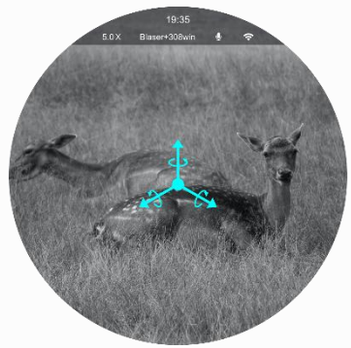
<table>
<tr><td rowspan="2">Compass</td><td>On/off</td><td>Default: Off.

When enabled, the right side displays vertical tilt angle changes, while the left side shows horizontal angle changes.

 
</td></tr>
<tr><td>Calibration</td><td>Select the icon and press the M button to enter the calibration interface. Follow the on-screen instructions to proceed.

Short press the power button or long press the M button to exit, or exit automatically after calibration is complete.


</td></tr>
</table>

<table>
<tr><td colspan="2">Gallery</td><td>

- Within the Gallery, video and photo files are arranged in folders by date.
- After entering a folder, select a video file, and press the M button to play the video file.

</td></tr>
<tr><td>Settings</td><td>Date</td><td>

Date: YYYY-MM-DD.

Use knob to adjust. Short-press **M** to switch fields; long-press to save.

</td></tr>
</table>

	Time	**Time**: 24-hour format. Use knob to adjust .Short-press **M** to switch fields; long-press to save. 
	Language	Supported languages: English, German, Italian, French, Czech, Polish, Hungarian, Spanish, Dutch, Estonian, Latvian, Lithuanian, Slovak, etc.  

	Unit	Default: **Meters (m)**. Can be switched to " Yards (yd)"  
	Factory Reset	Restores default settings. Device reboots if "Yes" is selected.  

	Info	Shows device name, hardware/software versions, SN/PN codes, etc. 

18 Maintenance

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

- Wipe the surface of metal and plastic parts to clear off dust and dirt with a cotton cloth. Silicone grease may be used for cleaning process.
- Clean the electric contacts 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.

19 Troubleshooting

The following table lists all problems that are likely to occur during device operation. Check and address problems by referring to this table. If faults not included in this table occur or you cannot fix the fault, return the device to the vendor or supplier for troubleshooting.

Faults	Possible Causes	Solutions
The device cannot start.	The battery is out of charge	Charge the battery
The device cannot be powered by an external power supply	The USB cable is damaged	Replace the USB cable
	The external power supply is insufficient	If necessary, check the external power supply
Images are too dark	The display is not bright enough	Adjust the display brightness
The icons are clear but the image is blurry.	The lens is not focused.	Rotate the lens focus ring to adjust the focus.
	The inner or outer optical surface of the lens is dusted or iced.	Wipe the outer optical surface by using a soft cotton cloth or leave the scope to dry in a warm and dry environment for more than 4 hours.
The image quality is poor or the detection range shortens	These problems are likely to occur when you use the device in harsh weather (such as snow, rain, and fog).	
The device cannot connect to a smartphone or computer	The Wi-Fi password is incorrect	Enter the correct password
	There are too many Wi-Fi networks in the range of the device, which may cause interference	To enable stable network access, you are advised to move the device to an area with a limited number of Wi-Fi networks, or an area without Wi-Fi coverage
Wi-Fi signals are lost or interrupted.	The device is beyond Wi-Fi coverage. There is blocking (such as concrete walls) between the device and the receiver.	Move the device to a place where you can receive Wi-Fi signals.
When the device is used at a low temperature, the imaging quality is poorer than that at normal temperature.	At temperatures above 0°C, the temperature rise varies with the observed objects (environment and background) due to different heat conductivity coefficients. As a result, high-temperature contrast occurs and the image quality is better. At low temperatures, the observed targets (background) usually cool down to a similar temperature because of reduced temperature contrast. Therefore, the image quality (details in particular) is poor, which is a characteristic of thermal imaging devices.	

20 Legal and Regulatory Information

Wireless transmitter module frequency range:

WLAN: 2.412-2.472GHz (for EU)

Wireless transmitter module power < 20dBm (only for EU)

We, Inlumen Technologies Co., Ltd. hereby declares that the radio equipment NITE series is in compliance with the Directives 2014/53/EU and 2011/65/EU

FCC Statement

FCC ID: 2BHFB-3C-00 TBD

Labeling requirements

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.

Information to the user

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

EMC: Class A

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

To comply with RF exposure requirements, a minimum separation distance of 0.00 cm must be maintained between the user’s body and the handset, including the antenna.

Nocpix

Manufacture: Inlumen Technologies Co., Ltd. **E-mail:** service@nocpix.com **Website:** www.nocpix.com

Address: Room 806, A1, Phase 3, Innovation Industrial Park,High-tech Zone, Hefei City, Anhui Province, China.