

# THERMAL IMAGING SIGHTS



## NM SERIES QUICK START GUIDE



1. Objective Lens	2. Lens Focusing Ring	3. Record Button (REC)
4. Navigation UP Button	5. MENU Button	6. Navigation DOWN Button
7. Dioptre Adjustment Ring	8. Eyeshade	9. Laser Rangefinder
10. Red Laser Pointer	11. External Rail	12. Power (ON/OFF) Button
13. Battery Pack Ring	14. Lens Cover	15. Battery Pack
16. Charging Base	17. Charging Base LED Indicator	18. Device LED Indicator

# | In The Box

- Thermal Imaging Sight
- Battery Charger
- 5V 2A Adapter
- Type-C Cable
- Manual
- Mount (with screws and hex-nut wrenches)
- Battery Pack

# | Quick Start

## Power On and Image Settings

- Open the lens cover (14).
- Hold the power (ON/OFF) button (12) for 3 seconds to power on.
- Rotate the dioptre adjustment ring (7) to get a clear image of the icons on the display.
- Rotate the lens focusing ring (2) to get a clear image of the observed object.
- Press the navigation UP button (4) to select the operating modes (White Hot, Defog, Black Hot, Red Hot, Fusion).
- Press the navigation DOWN button (6) to select digital magnification (1x, 2x, 4x, 6x, 8x).
- Press the MENU button (5) to enter the menu to select the appropriate parameter.
- Hold the power (ON/OFF) button (12) for 3 seconds to power off. The LED indicator will be turned off after the device is powered off.

# Buttons

## Button Legend



### Power (ON/OFF) Button

Hold the power (ON/OFF) button (12) for 3 seconds to power off. The LED indicator will be turned off after power off. Hold the power (ON/OFF) button (12) for 1-2 seconds to go into sleep mode. The LED indicator will be red when the device is in sleep mode. Wake the device by pressing the power (ON/OFF) button.

\*Press the power button to refresh the device.



### Record Button (REC)

Press: Take a picture.

Hold for 3 seconds: Record a video.

Note: Please turn on the camera in the menu before taking pictures or recording.



### ↑ Navigation UP Button

In menu mode : Press to switch menu items upwards.

When not in menu mode : Press to change operating mode. Hold to turn on or off the Picture in Picture.



### MENU Button

In menu mode : Press to confirm selection. Hold to exit main menu or submenu.

When not in menu mode : Press to enter menu mode. Hold to turn on or off the red laser pointer.

When LRF is on : Press to lock or unlock rangefinding values.




### ↓ Navigation DOWN Button

In menu mode : Press to switch menu items downwards.

When not in menu mode : Press to change set-up zoom 1x, 2x, 4x, 6x, 8x. Hold to turn on or off laser rangefinder.

# Menu Functions

Number	Main Menu Description	Sub Menu Description
1	Operating Mode	<p>Options: "White Hot"/"Defog"/"Black Hot"/"Red Hot"/"Fusion" Default mode is "White Hot"</p>  The image shows five side-by-side thermal camera views of a person. From left to right: 1. 'White Hot' mode: person appears in shades of gray on a black background. 2. 'Defog' mode: person appears in shades of gray on a black background, with a white reticle. 3. 'Black Hot' mode: person appears in shades of gray on a light gray background. 4. 'Red Hot' mode: person appears in shades of red and orange on a black background. 5. 'Fusion' mode: person appears in shades of purple and yellow on a dark blue background.
2	Camera/Video Output	<p>Options: "On"/"Off" Please turn on "Camera/Video Output" to take pictures/record videos/use WiFi/ external screen output.</p>
3	WiFi	<p>Options: "On"/"Off" Turn on WiFi on both the device's Menu and user's phone. On user's phone, find and connect to "Stong Thermal" WiFi network with password 12345678. Live image will be displayed on the App after the phone is connected to the device's WiFi.</p>
4	Picture In Picture	<p>Options: Off/Zoom 2x/Zoom 4x/Zoom 6x/Zoom 8x</p>
5	Reticle Type	<p>Options: Off/Select the preferred reticle type from 8 choices</p>
6	Reticle Profiles	<p>Select one of the saved profiles (Max. 10 profiles).</p>

7	Reticle Adjustment (Zeroing)	Freeze the image by pressing the MENU button. Move the reticle horizontally or vertically with the UP/DOWN buttons. Switch between horizontal and vertical adjustments by pressing REC button. After the reticle matches the point of impact, press the MENU button to save the position. Input the target distance and select the unit (Meter/Yard). The reticle profile will be saved with the distance as it's name.
8	Gyro	Options: On/Off
9	Laser Rangefinder Unit	Options: Meter/Yard
10	Laser Rangefinder Mode	1.Single distance measurement 2.Continuous distance measurement
11	OLED Brightness	Options: Super Dark/Dark/Normal/Bright/Super Bright
12	Target Brightness	Options: 1-5
13	Contrast Ratio	Options: 1-10
14	Image Detail Boost	Options: 1-4
15	Date/Time	Move the options by pressing the REC button. Change the value using the UP/DOWN button. Confirm the values by pressing the MENU button. Quit by holding the MENU button.
16	Language	Options: English/Chinese/Other Languages
17	Record Audio	Options: On/Off
18	Format	Options: Confirm/Cancel
19	Auto Power Off	Options: 3 Min/5 Min/Off

20	Default Setting	Options: Confirm/Cancel
21	Pixel Fix	Select "Pixel Fix" and press MENU button to get to the sub menu. The lens should be covered with lens cover before performing the pixel fix. Press the MENU button and follow the prompts to fix the bad pixels. After repair, please remember to save it.
22	BC (Ballistic Calculator)	Select BC and press the MENU button to get to the sub menu: On/Off/Parameter. Select On and press MENU button to turn on automatic BC. Select Off and press MENU button to turn off automatic BC. Note: Please turn on "Laser Rangefinder" before using BC.
23	Version	Select "Version" to view the device's software version.

## Installing The Battery Pack

- Lift the battery pack ring (13). Remove the battery pack (15) from the charging base (16).
- Insert the Battery Pack (15) into the thermal imager.
- Secure the battery by rotating the ring (13).

## Charging The Battery Pack

- Insert the battery pack (15) into the supplied charging base (16). Close the ring (13).
- Connect the charging base (16) to power supply 100V-240V by using the supplied adapter.
- Red LED (17) indicates that the battery is charging. Green indicates that the battery is fully charged.

## Using The Integrated Laser Rangefinder

- Hold the power (ON/OFF) button (12) for 3 seconds to power on the device.
- Hold the navigation DOWN button (6) for 3 seconds to activate the laser rangefinder.
- The rangefinding indicator (a small box) will appear at the center of the display.
- Point the rangefinding indicator at an object to measure the distance (the distance will be displayed at the top right corner of the display).



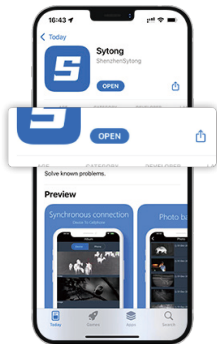
# Installation Of Mount

- Attach the mount to the base of the scope using a hex-nut wrench and screws.
- The mounting holes in the base of the scope enable the mount to be installed in one of the multiple positions. The choice of the mounting position helps the user to ensure the correct eye relief depending on the device type.
- The scope is ready to be installed on a device and to be zeroed.
- Before using the device, please follow instructions in the section "Reticle Adjustment (Zeroing)".

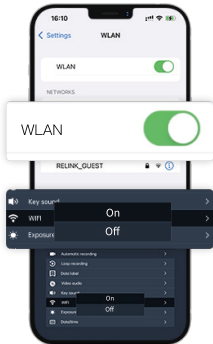
# APP Connection



Download APP by Scanning the QR code according to the mobile phone system.



Download the APP



Turn on WiFi on NM and phone



Enter APP



Choose WiFi "Sytong..." to connect WiFi  
(Password: **12345678**)

# NM03

## Sensor (military grade)

Type	non refroidi	Resolution	384x288 Super Sensitive
Frame rate	50 Hz	Pixel Size	12µm
NETD	≤30mK		

## Optical characteristics

Objective lens	f35/f50 mm, F1.2	Magnification	2.8x/4x
Continuous digital zoom	1 x/ 2x / 4x / 6x/ 8x	Eye Relief	50 mm
Dioptre Adjustment	±5 D	Close-Up Range	5m
FOV	7.5°X5.7°/5.3X4.0°		

## Display

Operating Mode	White Hot, Defog, Black Hot, Red Hot, Fusion	Type / Resolution	0.39 inch / OLED / 1024X768
----------------	--	-------------------	-----------------------------

## Operational Characteristics

3D Gyroscope	yes	Waterproof Rating	IP65
Power Supply	3-4.2 V	Battery	Li-Ion Battery Pack / 6000mAh / DC 3.7V

External Power Supply	5V (USB)	Operating Time (At Temperature Of 22°C)	9 hours
Max. Recoil Power, Joules	10000	Operating Temperature	- 20°C to +50°C
Dimensions	340X94X75 mm	Weight (Without Battery/ Mount)	1030g

## Video Recorder

Video / Photo Resolution	1024x768	Video / Photo Format	.mp4 / .jpg
Memoery Type	TF card(FAT32), max.128G		

## Wifi channel

Frequency	2.4GHz	Standard	802.11 b/g
Line-Of-Sight Reception Range	15m		

## Rangefinder

Wavelength	905nm	Max. Measuring Range	1800m
Measuring Accuracy	± 1m		

# NM06

## Sensor (military grade)

Type	non refroidi	Resolution	640x480 Super Sensitive
Frame rate	50 Hz	Pixel Size	12µm
NETD	≤30mK		

## Optical characteristics

Objective lens	f35/f50 mm, F1.2	Magnification	1.7x/2.5x
Continuous digital zoom	1 x/ 2x / 4x / 6x/ 8x	Eye Relief	50 mm
Dioptre Adjustment	±5 D	Close-Up Range	5m
FOV	12.5°X9.4°/8.8°X6.7°		

## Display

Operating Mode	White Hot, Defog, Black Hot, Red Hot, Fusion	Type / Resolution	0.39 inch / OLED / 1024X768
----------------	--	-------------------	-----------------------------

## Operational Characteristics

3D Gyroscope	yes	Waterproof Rating	IP65
Power Supply	3-4.2 V	Battery	Li-Ion Battery Pack / 6000mAh / DC 3.7V

External Power Supply	5V (USB)	Operating Time (At Temperature Of 22°C)	9 hours
Max. Recoil Power, Joules	10000	Operating Temperature	- 20°C to +50°C
Dimensions	340X94X75 mm	Weight (Without Battery/ Mount)	1030g

## Video Recorder

Video / Photo Resolution	1024x768	Video / Photo Format	.mp4 / .jpg
Memoery type	TF card(FAT32), max.128G		

## Wifi Channel

Frequency	2.4GHz	Standard	802.11 b/g
Line-Of-Sight Reception Range	15m		

## Rangefinder

Wavelength	905nm	Max. Measuring Range	1800m
Measuring Accuracy	± 1m		

# Attention!

Remind of using accessories

## Power adaptor

Only applicable to charging voltage below **5v/2A**.

## Adjust the laser red dot

ON/OFF laser red dot with a long press of MENU button. The position of the laser red dot can be adjusted by hex wrenches.

**Note: Our products are fixed on the equipment and controlled by WiFi connected app. They can't be close to human eyes and will be damaged. They can only be used fixedly, with a distance of more than 20cm from human body.**

**This product can only be used in legal fields such as scientific research, observation, emergency search and it is strictly prohibited to be used on illegal purposes. Our company reserves the right to pursue legal liability of illegal users.**



**Follow Sytong official account to learn more**  
**Website: <https://www.sytong2013.com>**