



**Quick Start Guide**

**V1.0**

**RICO 2** | Thermal Imaging  
Scope

RICO2 S75R / RICO2 H75R / RICO2 H50R / RICO2 L42R



**EN**

**Please read this guide before using the product, and keep the guide for future reference.**

For detailed information about the device, please download the complete user manual from the official website.  
([www.nocpix.com](http://www.nocpix.com))

**DE**

**Bevor Sie das Produkt benutzen, lesen Sie bitte diese Anleitung sorgfältig durch und bewahren Sie sie zum späteren Nachschlagen gut auf.**

Detaillierte Informationen über das Gerät finden Sie im vollständigen Benutzerhandbuch, das auf der offiziellen Website heruntergeladen werden kann.  
([www.nocpix.com](http://www.nocpix.com))

**IT**

**Si prega di leggere questa guida prima di utilizzare il prodotto e conservarla per riferimento futuro.**

Per informazioni dettagliate sul dispositivo, si prega di scaricare il manuale d'uso completo dal sito ufficiale.  
([www.nocpix.com](http://www.nocpix.com))

**FR**

**Veillez consulter ce manuel avant d'utiliser le produit et gardez-le pour vous y référer ultérieurement.**

Pour plus d'informations sur l'appareil, veuillez télécharger le manuel d'utilisation complet sur le site officiel.  
([www.nocpix.com](http://www.nocpix.com))

**ES**

**Lea esta guía antes de usar el producto y conserve la guía para referencia futura.**

Para obtener información detallada sobre el dispositivo, por favor descargue el manual de usuario completo desde el sitio web oficial. ([www.nocpix.com](http://www.nocpix.com))

**CZ**

**Před použitím výrobku si prosím přečtete tuto příručku a uchovávejte ji pro budoucí použití.**

Pro podrobné informace o zařízení si prosím stáhněte kompletní uživatelskou příručku z oficiálních webových stránek  
([www.nocpix.com](http://www.nocpix.com))

**PL**

**Przed użyciem proszę uważnie przeczytać niniejszy podręcznik użytkownika i przechować go w odpowiedni sposób na przyszłość.**

Aby uzyskać szczegółowe informacje o urządzeniu, pobierz pełny podręcznik użytkownika ze strony internetowej ([www.nocpix.com](http://www.nocpix.com))

**SV**

**Vänligen läs igenom denna anvisning innan du använder produkten, och behåll guiden för framtida referens.**

Detaljerad information om enheten finns i den fullständiga bruksanvisningen som du kan ladda ner från den officiella webbplatsen ([www.nocpix.com](http://www.nocpix.com))

**HU**

**Kérjük, a termék használatá előtt figyelmesen olvassa el a jelen használati útmutatót, és őrizze meg későbbi használatra.**

A készülékkel kapcsolatos részletes információkért kérjük, töltsse le a teljes felhasználói kézikönyvet a hivatalos weboldalról. ([www.nocpix.com](http://www.nocpix.com))

**PT**

**Leia este manual antes de usar o produto e guarde-o para referência futura.**

Para obter informações detalhadas sobre o dispositivo, baixe o manual do usuário completo no site oficial ([www.nocpix.com](http://www.nocpix.com))

**RoHS**

# 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.

## 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 may damage the 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.
- Always store the device in a dry, well-ventilated space. For prolonged storage, remove the batteries.
- The recommended temperature for using this product is  $-20^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$ . Otherwise, it will affect the service life of the product.
- Do not store the device for long periods at temperatures below  $20^{\circ}\text{C}$  or above  $50^{\circ}\text{C}$ , or this will permanently reduce the capacity of the battery.
- If the device has been damaged or the battery is defective, send the device to our after-sales service for repair.

## EU Compliance Statement

Wireless transmitter module frequency range:

WLAN: 2.412-2.472GHz (For EU)

Wireless transmitter module power  $< 20\text{dBm}$  (only for EU)



We, Inlumen Technologies Co., Ltd. hereby declares that the radio equipment types RICO2 are in compliance with the Directives 2014/53/EU and 2011/65/EU.

## Disposal of batteries



2023/1542 (Battery Regulation): 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](http://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](http://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.

### **Installing/Removing the battery**

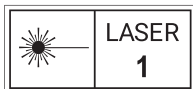
The RICO2 Thermal Imaging Scope uses a 4400mah removable battery pack.

## **Laser Warning**

CLASS 1 CONSUMER LASER PRODUCT  
EN 50689:2021



**LASER APERTURE**



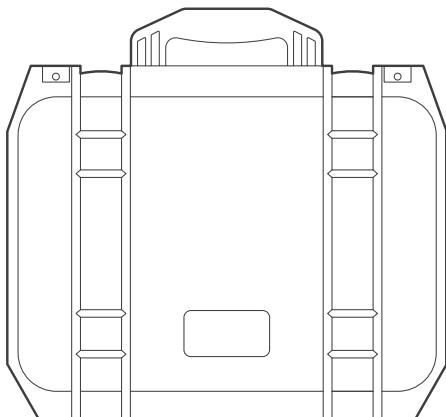
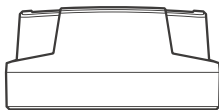
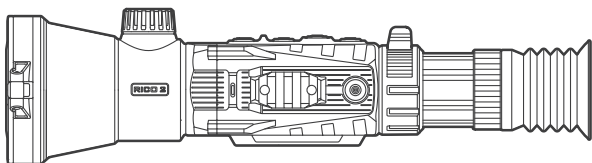
# RICO2 Quick Start Guide

<b>EN</b>	Thermal imaging scope	1-16
<b>DE</b>	Wärmebild-Zielfernrohr	17-32
<b>IT</b>	Monoculare per imaging termico	33-48
<b>FR</b>	Lunette d'imagerie thermique	49-64
<b>ES</b>	Visor de Imagen Térmica	65-80
<b>CZ</b>	Termovizní zaměřovač	81-96
<b>PL</b>	Luneta termowizyjna	97-112
<b>SV</b>	Termisk kikarsikte	113-128
<b>HU</b>	Hőképekotó távcső	129-144
<b>PT</b>	Mira Térmica	145-160



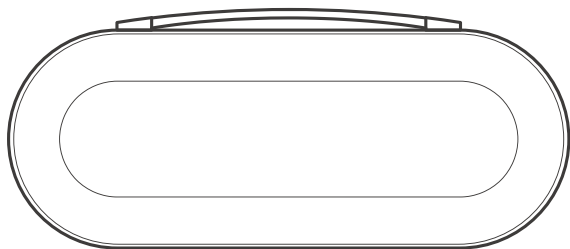
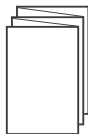
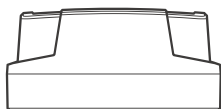
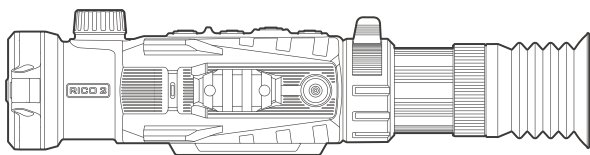
# Accessories

RICO2 S75R / RICO2 H75R



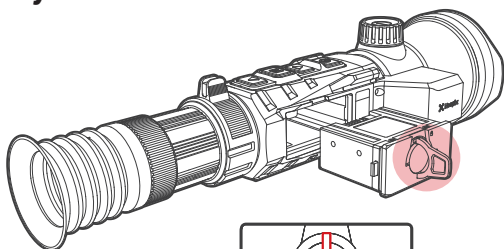
# Accessories

RICO2 H50R / RICO2 L42R

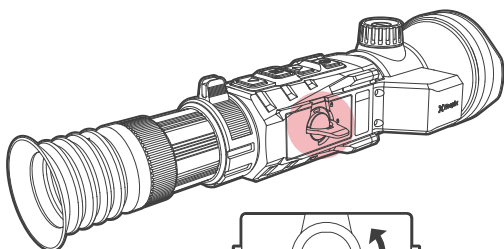


# Battery Install

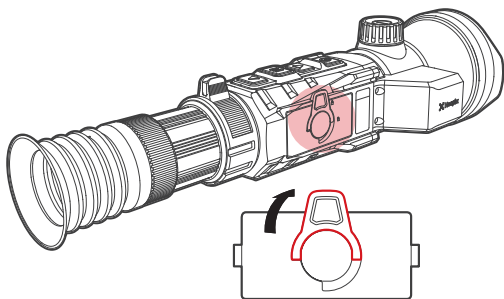
1



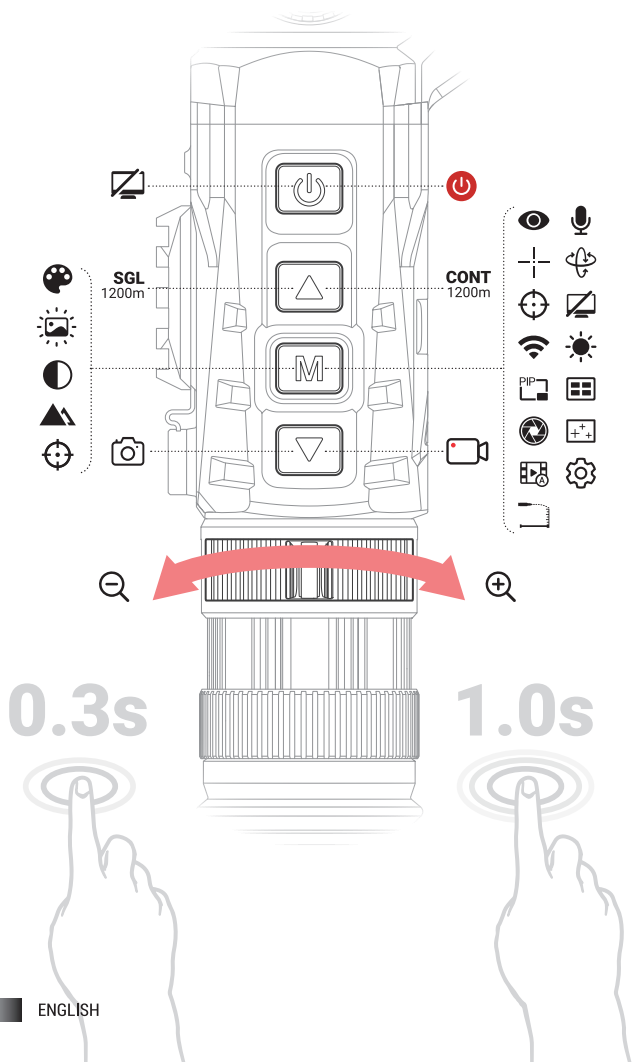
2



3



# Button Descriptions

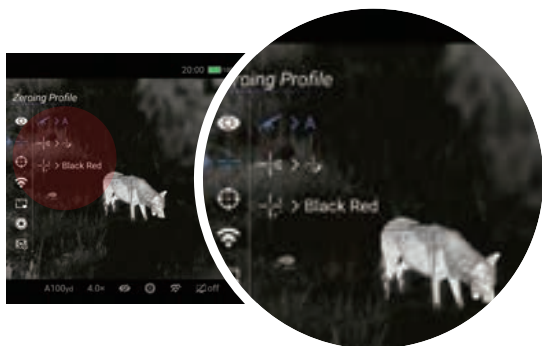


# | Shortcut Menu

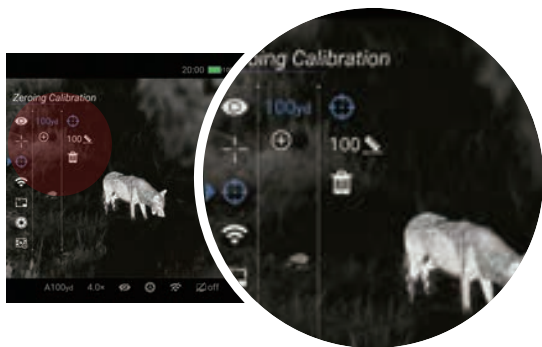


# Zeroing

Set the zeroing profile to A, B, C, D, E, or F in “Reticle” “Zeroing Profile”.



Set a suitable target and take one good shot at the target.

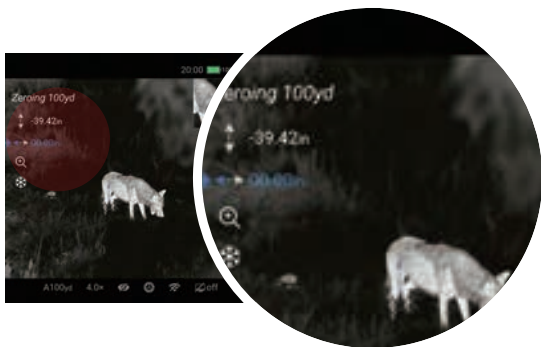


If the POI does not match the reticle, select the Image Freeze icon, short press the Menu button to freeze the image.

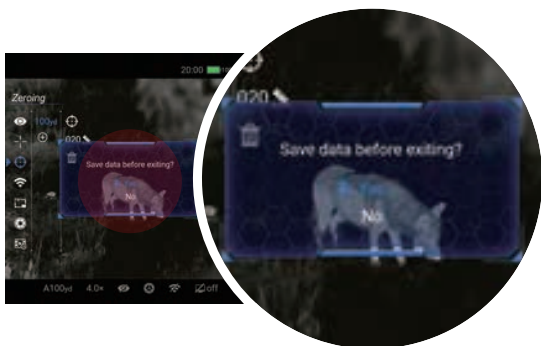


**Adjust the X/Y position of the reticle:**

- a. Short press the Menu button to select X or Y direction. Theselected axis will turn from white to blue
- b. Use Up Button or Down Button 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 POI matches the reticle or not.  
If not, do the zeroing again.

## Laser Rangefinder



**SGL**  **0.3s**



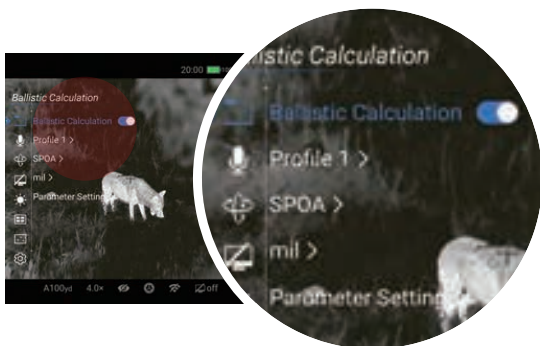
 **1.0s**

**CONT**



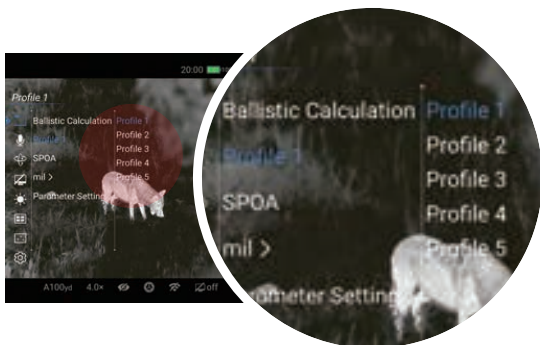
# Ballistic Calculation

Set the Ballistic Calculation to ON.

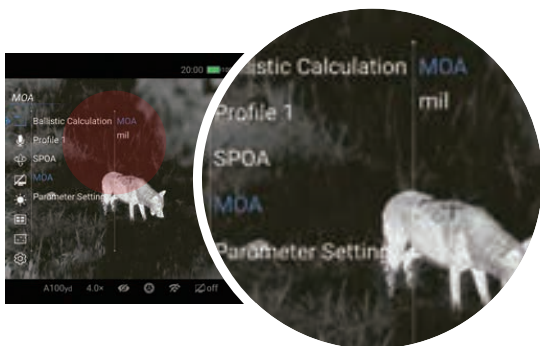


Select the bullet profile from 1 to 5.

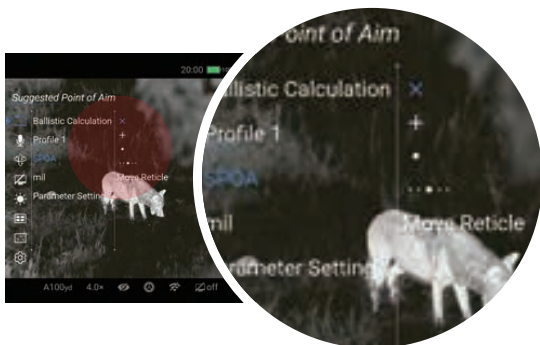
- i** You can also customize the bullet name through the NOCPIX APP.



Set the unit to MOA or mil.




Set the Suggested Point of Aim to  $\times$ ,  $+$ ,  $\bullet$  or  $\dots$ ; When SPOA is set to Move Reticle, the RICO 2 will automatically move the original reticle to the SPOA.



## Set parameters of bullets, rifles, and the environment.

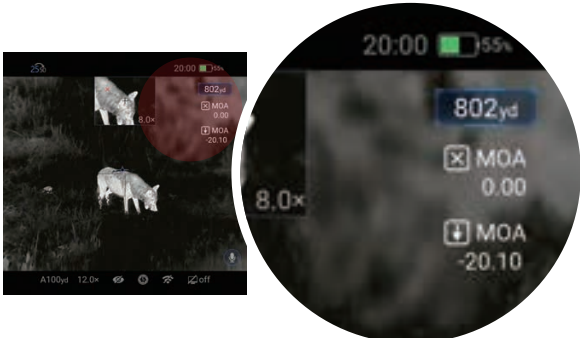
- Parameter settings can also be adjusted through the NOCPIX APP.



The screenshot shows the NOCPIX app interface. On the left, a target is visible through a scope, highlighted with a red circle. On the right, a settings menu is displayed with the following options:

- Bullet**
  - Ballistic Coefficient: 0.229
  - Ballistic Profile: G1
  - Bullet Weight: 50 gr
  - Muzzle Velocity: 3116 ft/s
- Riflescope**
  - Riflescope's Height: 1.96 inch
  - Spindrift:
  - Barrel Twist: 12.00 inch
  - Twist Driction: Left
- Outdoor weather conditions**
  - Temperature: 77.0 °F
  - Altitude: 1700 ft
  - Relative Humidity: 50%

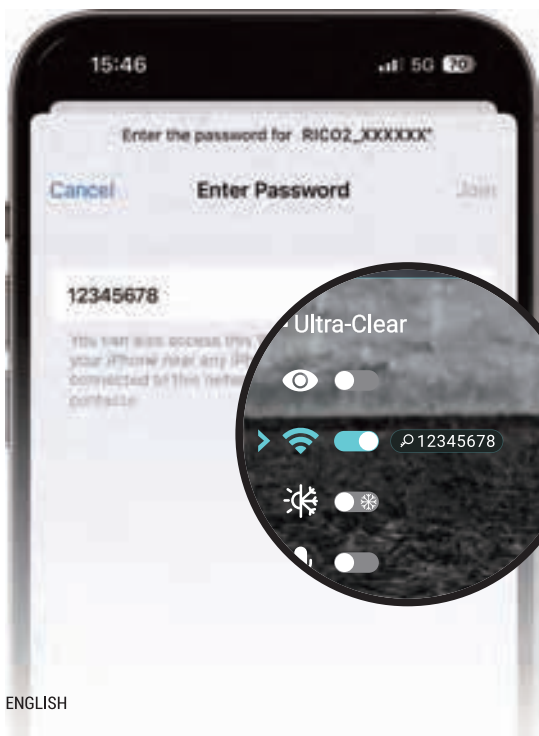
Once the settings are completed, a single ranging will prompt the recommended POI.



The screenshot shows the NOCPIX app interface. On the left, a target is visible through a scope. On the right, a circular inset shows the ranging results:

- 20:00 55%
- 802 yd
- MOA 0.00
- MOA -20.10
- 8.0x

# App





Firmware  
upgrade



Real-time image  
transmission



Device file



Date & Time  
calibration

# Specifications

Model	RICO2 S75R	RICO2 H75R
Resolution, Pixels	1280×1024,12μm	640×512,12μm
NETD, mK	≤15	≤15
Frame Rate, Hz	60	60
Objective Lens, mm	75/F1.0	75/F1.0
Field of View (H×V), °/m at 100m	14.7×9.4/ 25.8×16.4	5.9×4.7/ 15.4×11.5
Magnification, ×	3~30	4~32
Eye Relief, mm	70	60
Exit Pupil Diameter, mm	23	
Diopter, D	-5~+5	
Detection Range, m (Target Size: 1.7m×0.5m, P(n)=99%)	3896	
Display	AMOLED 2560×2560	
Battery Type	4400mAh IBP-5 Li-ion Battery Packs	
Max. operation time, (t=22°C) h	4.5	5.5
Memory capacity, GB	32GB	
IP rating	IP67	
Operating temperature, °C	-20 ~ +50	
LRF, m	1200 ±1	
Safety class for laser	Class 1	
Weight, g (with battery)	1300	1250
Dimension, mm	342x116x93	336x116x90
Max. Recoil Power on Rifled Weapon (Eo), Joules	6000	

# Specifications

Model	RICO2 H50R	RICO L42R
Resolution, Pixels	640×512/12μm	384×288,12μm
NETD, mK	≤15	≤18
Frame Rate, Hz	60	60
Objective Lens, mm	50/F1.0	42/F1.0
Field of View (H×V), °/m at 100m	8.8×6.6/ 15.4×11.5	6.3×4.7/ 11×8.2
Magnification, ×	3~24	4~16
Eye Relief, mm	60	
Exit Pupil Diameter, mm	23	
Diopter, D	-5~+5	
Detection Range, m (Target Size: 1.7m×0.5m, P(n)=99%)	2597	2197
Display	AMOLED 2560×2560	
Battery Type	4400mAh IBP-5 Li-ion Battery Packs	
Max. operation time, (t=22°C) h	5.5	5.5
Memory capacity, GB	32GB	
IP rating	IP67	
Operating temperature, °C	-20 ~ +50	
LRF, m	1200 ±1	
Safety class for laser	Class 1	
Weight, g (with battery)	926	900
Dimension, mm	296×78×76	
Max. Recoil Power on Rifled Weapon (Eo), Joules	6000	

## Get More Information



Website:  
[www.nocopix.com](http://www.nocopix.com)



User manual



Facebook



Instagram



YouTube