



Quick Start **Guide**

SAIM NV series SCD35

Please read this manual 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.infirayoutdoor.com).

Package Contents

- SAIM NV SCD35 Day & Night Scope
- Picatinny Mount
- External IR Illuminator (850nm or 940nm)
- External IR Illuminator Mount
- IEB-2 Extra Battery (for 16650 battery)
- Type-C Cable
- Lens Cloth
- Two Wrenches (for mounts)
- Two Screws (for picatinny mount)
- Quick Start Guide

Components and Controls

1. Eyeshade
2. Eyepiece diopter adjustment ring
3. Type C interface
4. Camera (C) button
5. Menu (M) button
6. Power (P) button
7. Battery compartment
8. Lens focus ring
9. Objective lens
10. Lens cover



Getting Started

- Remove the lens **cover (10)**.
- Press and hold the **Power (6)** button to turn on the device.
- Rotate the eyepiece diopter adjustment ring **(2)** to adjust the resolution of the icon on the display.
- Rotate the **lens focus ring (8)** to focus on the object **being** observed.
- Press and hold the **P (6) + M (5) + C (4)** buttons for 15s to enable the reticle functions.
- On the home screen, briefly press the **Power (6)** button to set the digital zoom.
- Press the **M (5)** button to enter the shortcut menu to set the image mode, display brightness, reticle color and reticle type.
- After using, press and hold the **Power (6)** button to enter the power-off interface. Then, select the second option with a short press of the **C (4)** button and confirm your selection with the **M (5)** button to turn off the scope. **During the saving data, do not disconnect it from the power source, otherwise, the data cannot be saved.**

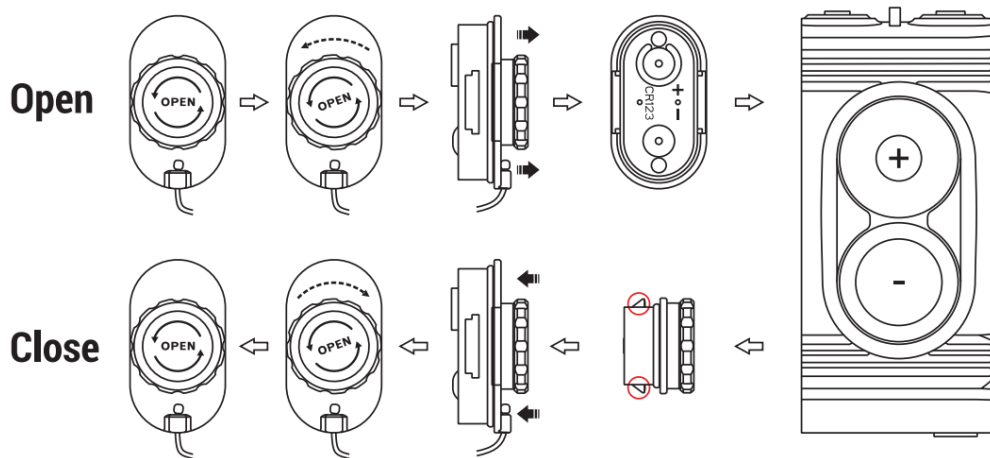
Button Operation

Button	Current status	Short press	Long Press
Power button	Powered off	——	Power on the device
	Home screen	Digital zoom	Enter the power-off interface
	Standby mode	Wake up the device	——
	Menu interface	Scroll up the menu option	——
	Range notification setting interface	Increase the value slowly	Increase the value fast
	Zeroing interface	Move the reticle up / left slowly	Move the reticle up / left fast
Menu button (M button)	Home screen	Enter the shortcut menu	Enter the main menu
	Shortcut menu interface	Change parameter	Save and exit to the home screen
	Main menu interface	Confirm the selection / Enter the submenu	
	Power-off interface	Confirm the selection	——
	Range notification setting interface	Change options	——
	Zeroing interface	Switch the movement direction between X and Y	Save and exit to the Main menu screen
Camera button (C button)	Home screen	Take a photo	Start a video recording
	Shortcut menu, main menu, power-off interface	Scroll down the menu option	——
	Video recording	Take a photo	Stop and save the video recording
	Range notification setting interface	Decrease the value slowly	Decrease the value fast
	Zeroing interface	Move the reticle down / right slowly	Move the reticle down / right fast
C button + M button	Home screen	Enter the range notification interface	——

	Range notification interface	Exit to the home screen	Enter the range notification settings interface
	Range notification setting interface	---	Save and exit to the range notification interface

Battery Installation

The installation of CR123 batteries

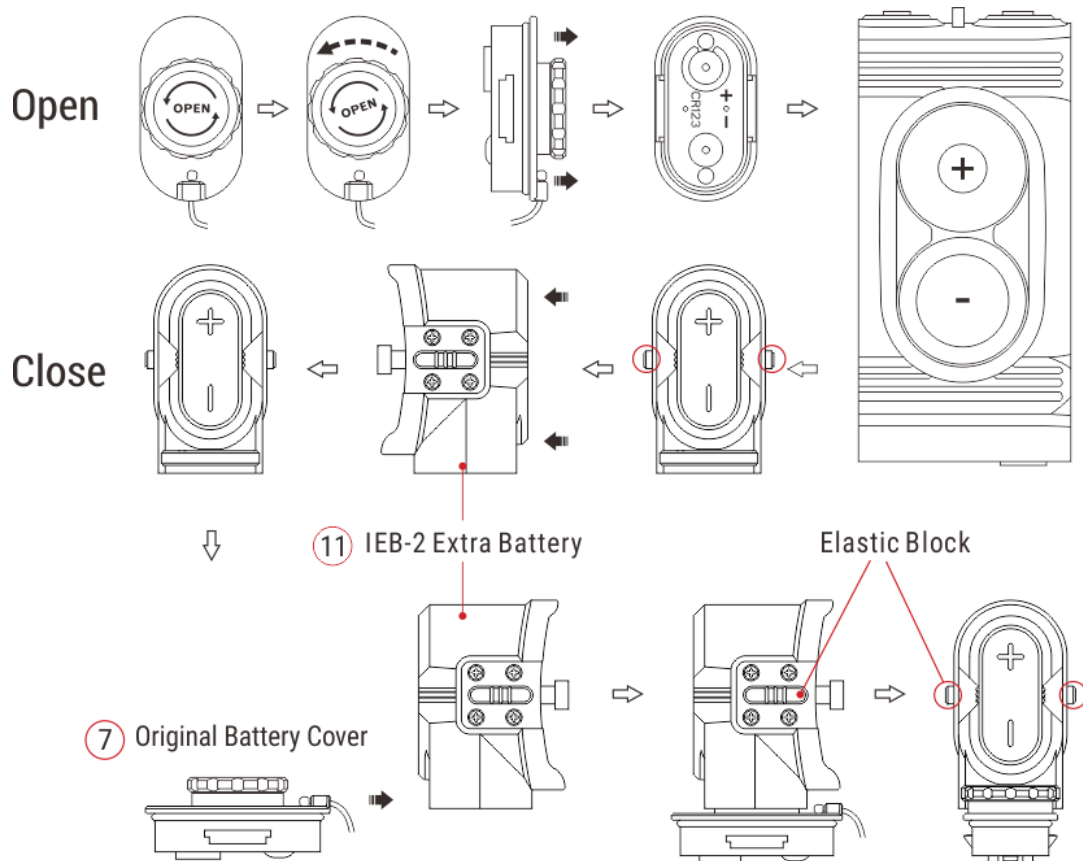


- Open the battery compartment cover (7) anticlockwise according to the prompt identification on the cover.
- Install the two CR123 batteries correctly according to the marking on the battery cover and inside it.
- When done, replace the battery cover (7) - the latches from both sides of the cover will pull out (see the drawing above), then press it until its clicking position - make sure the cover is closed on both sides correctly.
- Battery level is displayed on the status bar.
- When the battery icon turns red, please replace the new battery in time.
- It is necessary to power off before replacing the batteries.

The installation of 16650 batteries

- When using the 16650 batteries, the IEB-2 Extra Battery cover (11) is needed to replace the original battery cover (7).
- Remove the battery compartment cover (7) and install the two 16650 batteries correctly according to the marking on the battery cover and inside it.

- Place the IEB-2 Extra Battery cover on the battery compartment and press it until its clicking position.
- After installation, install the original battery cover (7) on the IEB-2 Extra Battery cover (11) as shown below.
- Press down the elastic blocks on both sides at the same time to remove the IEB-2 Extra Battery cover (11).



Specifications

Model	SCD35
Microbolometer	
Type	HD CMOS
Resolution, pixels	1920×1080
Pixel, μm	4
Optical Specifications	
Objective lens, mm	35 / F1.2
Field of view, °	8.4 × 6.3
Optical magnification, ×	3 ~ 12
Digital zoom, ×	1 / 2 / 3 / 4
Exit pupil distance, mm	35
Diopter, D	- 7 ~ +3
Display	
Type	FLCOS
Resolution, pixels	1280×960
Dimension, inch	0.39
Battery	
Battery type	CR123 (3.7V) * 2 / 16650 * 2
Max. battery life (t=22℃)*, h	3.5 (CR123) / 7 (16650)
External power supply, V	5 (Type C)
Physical Specifications	
Detection range, m	200
IP rating	IP66
Built-in memory, GB	16
Photo / Video resolution, pixels	1280×960
Operating temperature, °C	-20 ~ +50
Max. recoil power on rifled weapon, m/s ²	1000 g
Weight (without batteries), g	430
Dimension, mm	195×61×61
IR illuminator	
Wavelength, nm	850 / 940

Battery type	18650
Max power, W	1.5

※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;

※If there is any change to the technical specifications of the product, it will be made without prior notice to the customer.

Update and InfiRay Outdoor

In order to continuously improve the product performance and provide better user experience, the software program, as well as parameters of the device will be constantly updated. Users can go to the official website (www.infirayoutdoor.com) to download and update.

The Saim NV series support InfiRay Outdoor app technology, that can transmit the image via Wi-Fi from your scope to a smartphone or tablet and update the program.

Download and install the InfiRay Outdoor app from the official website (www.infirayoutdoor.com) and app store, or scan the QR code below to download directly.



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.
- If the device has been damaged, send the device to our after-sales service for repair.

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.

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 device are correct.

Installing/removing the battery

The Saim NV series day & night scope need to install two CR123 (3.7V) or 16650 batteries for use. Refer to the section **Battery Installation** for details.

Legal and Regulatory Information

Wireless transmitter module frequency range:

WLAN: 2.412-2.472GHz (For EU)

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



IRay Technology Co., Ltd. thus declares that the AFFO series thermal imaging monocular complies with the directives 2014/53/EU and 2011/65/EU. The full text of the EU declaration of conformity as well as additional information are available at: www.infirayoutdoor.com.

This device may be operated in all member states of the EU.

Regulatory information USA

FCC ID: 2AYGT-254

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.

Note: The manufacturer is not responsible for any radio or TV interference caused by

unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

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.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

Body-worn Operation

This device was tested for typical body-support operations. To comply with RF exposure requirements, a minimum separation distance of 0.5cm must be maintained between the user's body and the handset, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.

We, IRay Technology Co., Ltd., hereby declare that this product was tested conforming to the applicable FCC rules under the most accurate measurement standards possible, and that all the necessary steps have been taken and are in force to assure that production units of the same equipment will continue to comply with the Commissions requirements.