



Quick Start Guide

HOLO Series HL25

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).

Product Description

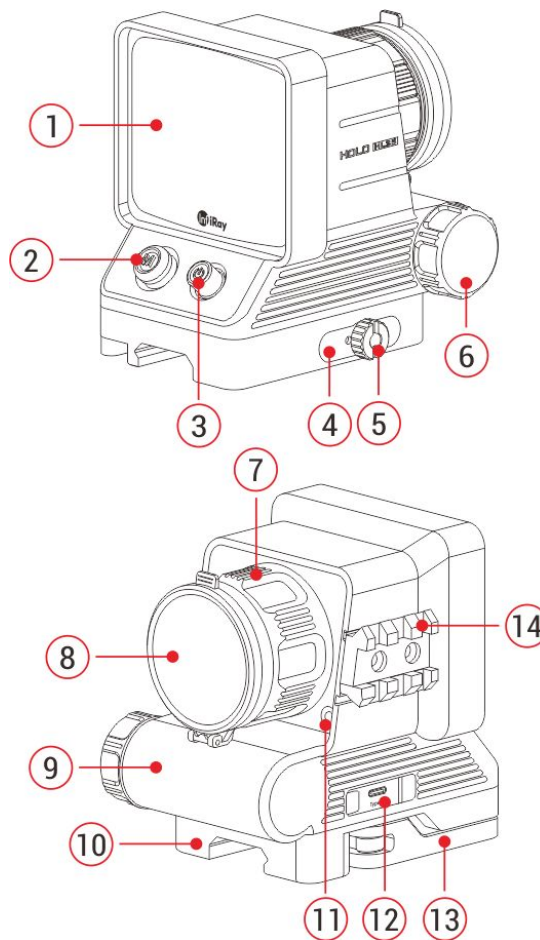
HOLO HL25 is a new generation of holographic thermal imager featured with long working time and good concealment. It has a large screen with high-definition display, which can penetrate smoke, dust or dark night. It is suitable for general thermal search and targeting applications and can be widely used for hunting, searching and positioning under various outdoor conditions.

Package Contents

- HOLO HL25 Thermal Imager
- Heated target for zeroing
- Type C cable
- Lens cloth
- Quick start guide

Device Composition

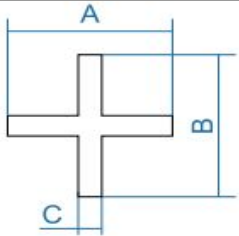
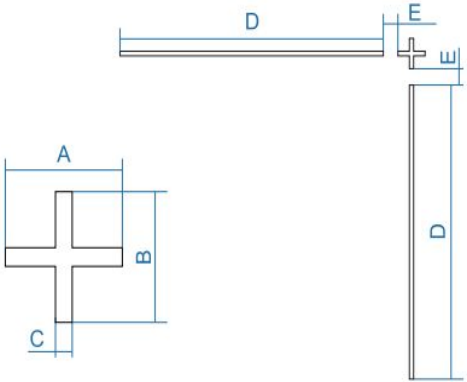
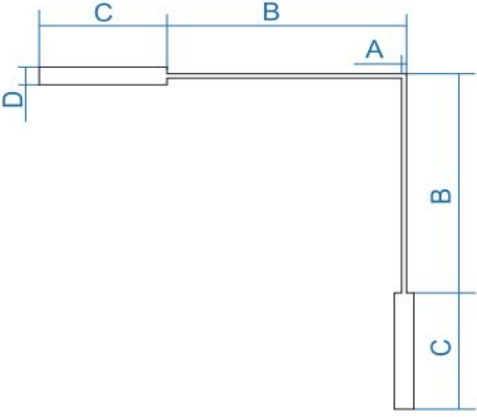
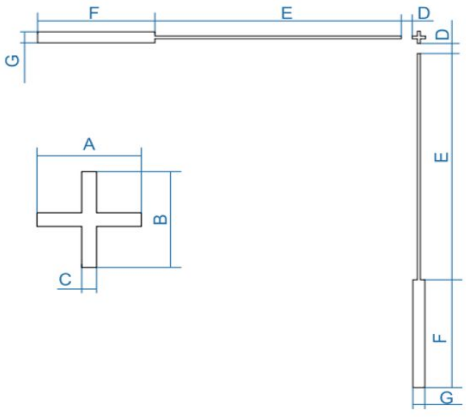
1. Display
2. Joystick
3. Power button
4. Clamping plate
5. Nut
6. Battery cover
7. Lens focus ring
8. Lens cover
9. Battery compartment
10. Fixture
11. Laser indicator
12. Type-C interface
13. Locking wrench
14. Picatinny rail

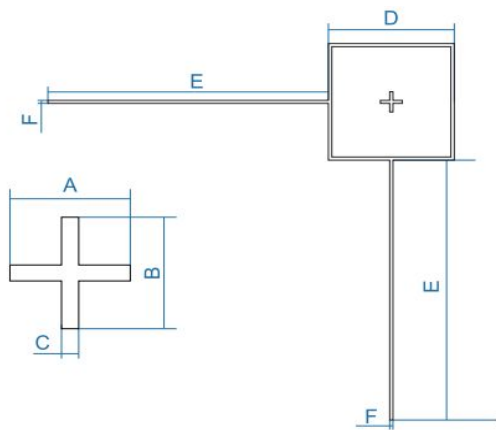


Getting Started

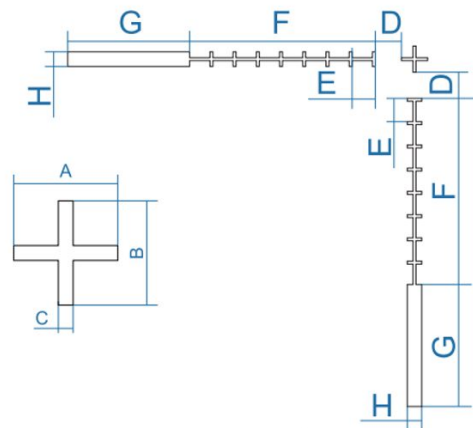
- Before use, ensure that the battery is installed.
- Turn counterclockwise to open the battery cover **(6)**.
- Install one 18500 battery into the battery compartment **(9)** according to the battery installation instruction label in the battery compartment, that is, the positive pole of the battery is inward and the negative pole is outward.
- Cover and tighten the battery cover **(6)** clockwise.
- Press and hold the **Power (3)** button to turn on the device.
- Rotate the focus ring **(7)** of the objective lens to focus on the target.
- Short press the **Power (3)** button to calibrate the image.
- On the home screen, push the joystick **(2)** **leftward** to adjust the palette mode, push **rightward** to adjust the brightness of the screen, push **upward** to adjust the magnification, push **downward** to take a photo, push and hold down the joystick **(2)** **downward** to start / end a video recording.
- On the home screen, short press the **joystick (2)** to enter the shortcut menu to set reticle color, reticle type, zeroing distance and laser distance, which correspond to the four directions of the joystick respectively.
- On the home screen, press and hold the **joystick (2)** to enter the main menu interface for more function settings.
- After use, the 3-second shutdown countdown appears with a long press of the **Power (3)** button. Release the button until countdown goes from 3 to 0. Release the button until countdown goes from 3 to 0 to power off the device, otherwise, the device will enter the standby mode. Short press the **Power (3)** button again to wake it up.

Reticle Parameters

Type	Section	HL25	HL 25
		MIL	CM@100m
	Section A	4	38.4
	Section B	4	38.4
	Section C	2.4	4.8
	Section A	4	38.4
	Section B	4	38.4
	Section C	2.4	4.8
	Section D	36	345.6
	Section E	2	19.2
	Section A	0.25	2.4
	Section B	30	288
	Section C	16	153.6
	Section D	2	19.2
	Section A	4	38.4
	Section B	4	38.4
	Section C	0.25	2.4
	Section D	2	19.2
	Section E	36	345.6
	Section F	16	153.6
	Section G	2	19.2





Section A	4	38.4
Section B	4	38.4
Section C	0.25	2.4
Section D	28	268.8
Section E	40	384
Section F	0.25	4.8



Section A	4	38.4
Section B	4	38.4
Section C	0.25	2.4
Section D	2	19.2
Section E	2	19.2
Section F	16	153.6
Section G	12	19.2
Section H	1	9.6

Button Operation

Button	Current Status	Button Operation	Button Operating Time	
			Short	Long
Power 	Powered off	Press	—	Power on the device
	Home screen		Shutter calibration	Power off / Standby the device
	Shortcut menu interface		Save and return to the home screen	
	Main menu, Zeroing, Pixel defect correction, Laser calibration		Return to the upper interface without saving	—
	Standby mode		Wake up the device	—
Joystick 	Home screen	Push upward	Digital zoom	Turn PIP on / off
		Push downward	Take a photo	Start / End a video recording
		Push leftward	Switch the image mode	—
		Push rightward	Switch the display brightness	—
	Shortcut menu interface	Push upward	Switch the reticle color	—
		Push downward	Switch the reticle type	—
		Push leftward	Switch the zeroing distance	—
		Push rightward	Switch the laser indicated distance	—
		Press	—	Save and return to the home screen
	Main menu, Zeroing, Pixel defect correction, Laser calibration	Push	Navigate up or down / Move slowly	Move Quickly
	Main menu, Laser calibration	Press	Enter the submenu / Confirm the selection	Save and return to the home screen
	Zeroing interface	Press	Freeze the screen	
	Pixel defect correction interface	Press	Add / Delete defective pixel	

Specifications

Model	HOLO HL25
Detector Specifications	
Resolution	384 × 288
Pixel Size, μm	12
NETD, mk	≤ 40
Frame Rate, Hz	50
Optical Specifications	
Objective Lens, mm	25
FOV, °	10.5 × 7.9
Digital Zoom, ×	×1/×2/×3/×4
Detection Range, m (Target size: 1.7m×0.5m, P(n)=99%)	1299
Display Specifications	
Type	AMOLED
Resolution	800 × 600
Dimension, inch	2.6
Battery Power Supply	
Battery Type / Output voltage	18500 / 3.7V
Operating time (t=22 °C), h*	≤ 5
External Power Supply, V	5 (Type C)
Physical Specifications	
Ingress Protection Rating	IP67
Memory Capacity, GB	32
Operating Temperature, °C	-20 ~ +50
Weight (without the 18500 Battery), g	< 500
Dimension, mm	66 × 90 × 88

* The actual operation time depends on the intensity of Wi-Fi use, photographing and video recording.

➤ Improvements may be made to the design and software of this product to enhance its useful

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 Holo 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.

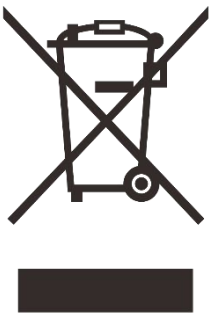
Risk of swallowing

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 Holo series thermal imager need to install one 18500 (3.7V) battery for use.

Legal and Regulatory Information

CE

IRay Technology Co., Ltd. thus declares that the Saim NV series day & night scope 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:

UK

www.infrayoutdoor.com.

CA

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

Regulatory information USA

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.