iAiming

GAME CHANGER

iAiming

User's Manual
Redefine
## Handheld Thermal Imager

THANK YOU FOR CHOOSING IAIMING PRODUCTS.
PLEASE REFER TO THE USER'S MANUAL FOR GUIDANCE.

Package contents

Thermal Imager x 1, Type-C Cable x 1, Lens brush x 1, Lens

cloth x 1, Wrist Strap x 1, Shoulder Strap x 1, User Manual x 1,

Protective bag x 1. Protective box x 1

Product structure

A. Eyepiece

B. Diopter Adjustment Knob

C. Zoom/Down Button

D. Menu Button

E. Photo/Up Button

F. Power Button

G. Lens Focusing Ring

H. Lens Cover

I. Tripod Mount

J. Type-C Port

K. Wrist Strap Hole

L. Charging Indicator
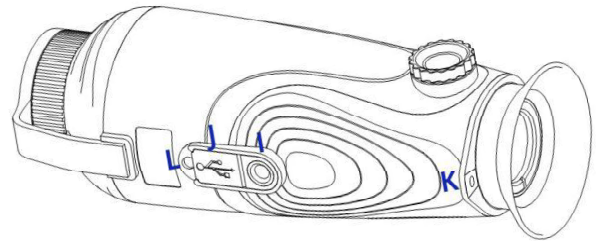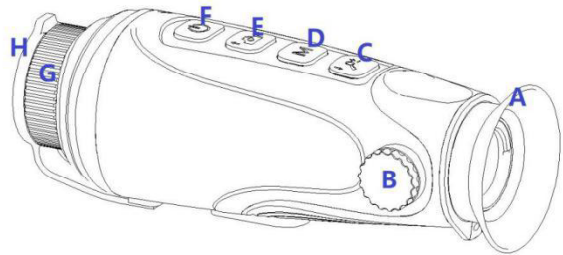
Getting Started

Power On/Off

Power On: With Lens Cover (**H**) in its closed position, press and hold the Power button (**F**) for 3-seconds until the display in the eyeshade (**A**) lights up. After the 'Setup' progress bar indicates complete initialisation, flip Lens cover (**H**) open for use.

Power Off: Press and hold the Power button (**F**) for 3-seconds until the display shows the 'Power Off' countdown screen. Continue pressing (**F**) until the countdown is complete and the imager is turned off. If you accidentally release button (**F**) during the countdown, the imager will abort the power-off sequence and return to normal function.

Diopter Adjustment Ring

With the Imager's display illuminated, rotate the Diopter Adjustment Ring (**G**) until the menu icons across the bottom of the display are in sharp focus.

Lens Focusing

Rotate the lens focusing ring (**H**) until the observed thermal image is in sharp focus.

Battery Charging

Power off the Imager and lift the protective cover of Type-C port, connect the device and power adapter with the Type-C cable to charge the battery inside.

Check the charging indicator status, Indicators on: Charging, Indicator off: charging completed.

Data export

Rotate Interface protection cover (**E**) counterclockwise and remove the cover. Use the USB Type-C cable to connect the computer with the USB Type-C port of imager, and export the photo and video file saved in the imager.

Photo/Video Record

Photo: shortly press the Photo/Video Record button (**E**) to capture a photo.

Video Record: long press the Photo/Video Record button (**E**) for 1-second to start video recording, then press again to stop the video recording.

Homepage

After power-on, the imager displays the homepage. The status bar is located at the bottom of the display and shows the imager's current operating status.
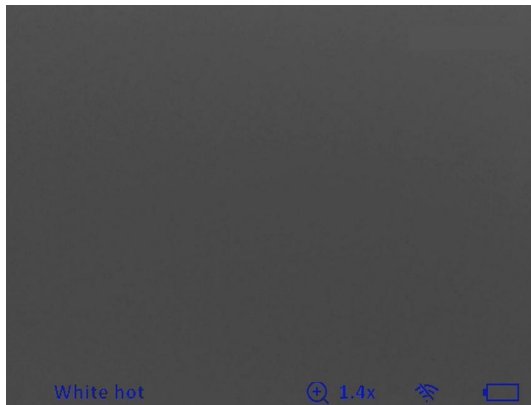
①   Current palette mode

②   Current zoom (default is device itself magnification)

③   WIFI connection status (default is off)

④   Battery status (if battery icon is empty and starts to flash, power off the device and charge the battery)

Button Description

|		Homepage (Menu deactivated)	Set up interface (Menu activated)
POWER	Short press	Display on/off	/
	Long Press for 3s	Power on/off	/
MENU	Short press	Manual refresh	Confirm the selection
	Long press for 3s	Call out Menu	Save and exit Menu
UP	Short press	Take a Photo/Stop Video recording	Move up among options
	Long press for 3s	Start video recording	Value continuous-
DOWN	Short press	Zoom in/out	Move down among options
	Long press for 3s	Laser pointer on/off	Value continuous+

Set up Interface

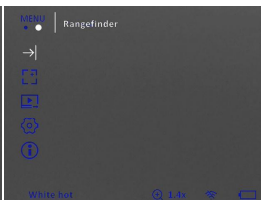At homepage, enter the setting mode by a 1s long press of the **MENU** button.

The main menu appears at the left of the screen.

Auto exit takes place after 60s of inactivity. Any button operation recalls the menu status.
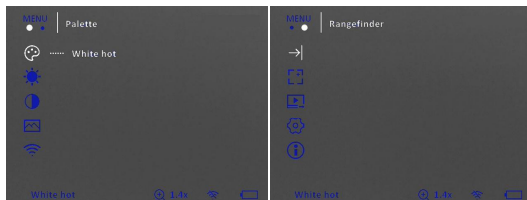
Menu page 1   **Menu page 2**

Palette

Select either a **White**, **Black, Ironbow, Glowbow, Sepia, Red, Green** setting.

Brightness

Adjust the level of brightness from 1 to 20

Contrast

Adjust level of contrast from 1 to 20

Scene mode

Select **Scene mode** from **City, Forest** or **Sky.**

WIFI

Select WIFI mode **ON**/**OFF**.

Rangefinder

Where the 'target height' is known, this function can be used to quickly estimate the range to the target.

Select this option and set the estimated height of the target. Align the upper line with the top of the target and the lower line with the bottom of the target. Click the control button to get the estimated target range.

Hot track

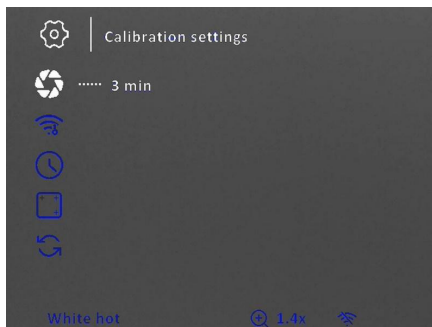Select **Hot track** mode **ON/OFF**.

Video output

Select **Video output** mode **ON/OFF**..

General settings

Enter **General settings** submenu.

Calibration settings

Select **OFF**, **1 min**, **3 min** or **5 min**.

WIFI password

Set the WIFI password. Default password is **87654321**.

Time

Set system time.

Pixel repair

Enter into Defective pixel repair's submenu, repair the defective pixels.

X-axis (Windage Adjustment)

Adjust windage by changing the reticle X-axis value.

Y-axis (Elevation Adjustment)

Adjust elevation by changing the reticle Y-axis value.

Pixel repair

Repair current reticle pointed pixel.

Pixel restore

Revoke the repair to current point.

Magnification

Magnify the image

Factory reset

Revert factory settings.

Device information

View the device information.

WIFI Application

The iAiming App [iAiming] can be downloaded free of charge from **Google Play** or the **App Store**.

The Android device users can also download it by scanning the QR code.

Users can then link their iAiming imager to their mobile device (smartphone or tablet) via WIFI. This not only allows users to view the thermal sight picture on their mobile device in real time, but they can also remotely control the thermal imager through their mobile device. The detailed user guide is available at www.iaiming.com.
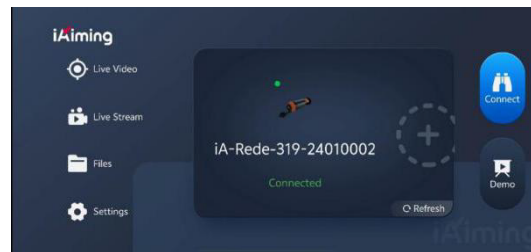
iAiming App Functions
- Live video recording and still photo capture, adjust image settings;
- View the device information;
- Local files and storage files operation;
- Information about the imager, firmware updates and Language selections.
- Live stream
- Firmware upgrade

Specifications

Model Type	Rede-319	Rede-325	Rede-625
Sensor			
Sensor Type	VOx Uncooled	VOx Uncooled	VOx Uncooled
Sensor Resolution	384×288	384×288	640×512
Pixel Pitch	12μm	12μm	12μm
NETD	≤25mk	≤25mk	≤25mk
Frame Frequency	50Hz	50Hz	50Hz
Optics			
Objective lens	19mm	25mm	25mm
Angle of View	13.8°×10.4°	10.5°×7.9°	17.5°×13.1°
Continuous Digital Zoom	1.8X~7.2X	2.3X~9.2X	1.4X~11.2X
Eye Relief	13mm	13mm	13mm
Diopter of Eyepiece	-7D~+2D	-7D~+2D	-7D~+2D
Display			
Display Type	OLED	OLED	OLED
Resolution	640*480	640*480	640*480
Palettes	White Hot/Black Hot/Ironbow/Glowbow/Sepia/ Red Hot/Green Hot		
Detection Distance			
Distance（1.8m）	1000m	1200m	1200m
Video Recorder			
Video/Photo Resolution	640*480		

Video/Photo Format	avi/jpg		
Built-in Memory	32GB		
WIFI			
Wireless Standard	802.11b/g/n		
Frequency	2.4GHz		
Connection Range	≤10m		
Power Supply			
Output Voltage	3~4.2V		
Battery Type	18650 Battery （Built-in)		
Capacity	3200mAh		
Operating Time	≥8hrs.	≥8hrs.	≥7hrs.
External Power Voltage	5V		
Charging Hours	≈4hrs		
Charging Temperature	0~45℃		
Physical Characteristics			
Weight	345g	355g	355g
Length	168mm	171mm	171mm
Environmental Characteristics			
Degree of Protection, IP code	IP67		
Operating Temperature	-25℃ ~ +50℃		
Storage Temperature	-40℃ ~ +60℃		

Trouble Shooting

Listed below are some potential problems that may occur when using the thermal imager. Carry out the recommended checks and solution steps in the table. If the problem experienced with the imager is not listed, or if the suggested solution does not match your problems, please contact the retail outlet or manufacturer.

Problem	Problem cause	Solution
Imager cannot be powered on.	Batteries are flat.	Fully charged batteries.
Protective cover of interface can not be closed tightly.	Cover is loose	Contact after-sale service center for maintenance.
The control button does not work.	The button connection is loose.	Contact after-sale service center for maintenance.
The menu is blurred.	Poorly adjusted diopter.	Adjust diopter according to instructions.
The image is blurred.	Not focused.	Rotate lens focusing ring until the image is clear.
	Not calibrated.	Activate the REFRESH function to calibrate the image quality.
WIFI connection fails.	WIFI is not turned on.	Turn on the WIFI.
	Wrong WIFI password input	General setting-WIFI password, check current WIFI password.

Maintenance and Storage

- Do not aim at high-intensity energy sources, including the sun, laser emitting imagers and reflections of the above-mentioned objects;

- When not using the product for a long time, it is recommended to charge the battery once a month and store the thermal imager in a dry and cool place;

- If liquids come in contact with the silver mirrored lens surface, immediately wipe it off with the lens cloth provided. Do not use corrosive or abrassive cleaning agents as these are likely to damage the lens coating and degrade its performance.

- If the product appears faulty, please contact after-sales service for further technical support. Do not attempt to disassemble the imager, otherwise the warranty may be voided.

Warranty and Service

Dear customer,

Congratulations on your purchase of our innovating iAiming products, to protect your purchase and rights, please read carefully the content following:

iAiming strive to make the best thermal products in the market and hold ourselves to the highest standards of engineering, quality, and product performance. iAiming products are warranted for 3 years in country of purchase, from date of purchase to be free of manufacturing defects in workmanship or materials under normal use conditions, battery's and battery chargers are covered by a 1-year warranty, iAiming at its discretion will repair or replace product free of charge.

Note: Thermal technology is highly sensitive equipment, environmental factors such as extreme temperatures both ambient and target temperature will affect devices ability to function the same in every situation. Environmental factors and the way you use this product needs to be considered

before purchasing any thermal product, poor image quality, resolution, or inability to identify target due to environmental factors are not warranty please purchase wisely.

Warranty is void if:

- Damage occurs from misuse.
- Unauthorized repair.
- Physical damage.
- Modification or alteration.

Should you feel your iAiming product is not performing as intended please return product to the original place of purchase with a receipt of Australian purchase, should no proof of purchase be provided iAiming at its discretion will choose to repair, replace or not. Please contact our local exclusive distributor or contact iAiming should you have any questions or concerns regarding your iAiming product warranty.