

# Luna Eye

## User Manual V1.0



Model: Luna Eye

Intended Use:

The Luna Eye is used to help people with presbyopia and low vision more easily read materials to help them work, live and study

Patient Population: People with presbyopia and low vision

Storage: Temperature: 0°C~30°C; Humidity: <70%

Others: Need to be in a dry, dark, clean, ventilated, non-corrosive gas environment

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## **1. Introduction and Usage**

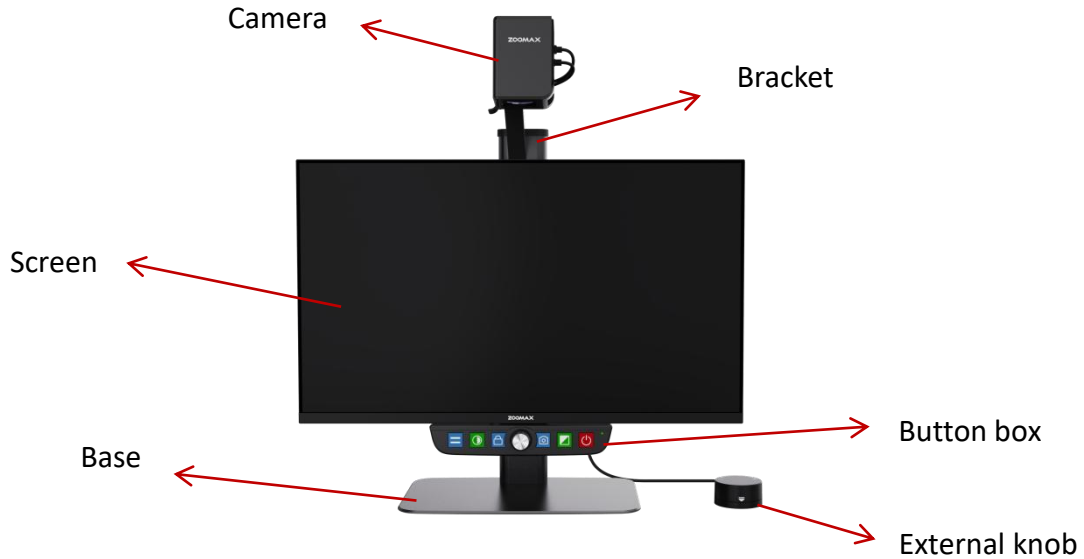
Thank you very much for choosing Luna Eye, an all-in-one desktop vision aid from Zoomax. We are committed to provide you with high-quality images, more comfortable experience, larger reading and writing area, using 11x HD optical zoom lens, with a large HD screen, stable bracket, and very easy to use. Luna Eye can be used in office conference room as well as home daily life. As always, Zoomax hopes to help you have a more enjoyable visual experience

in your work as well as life.

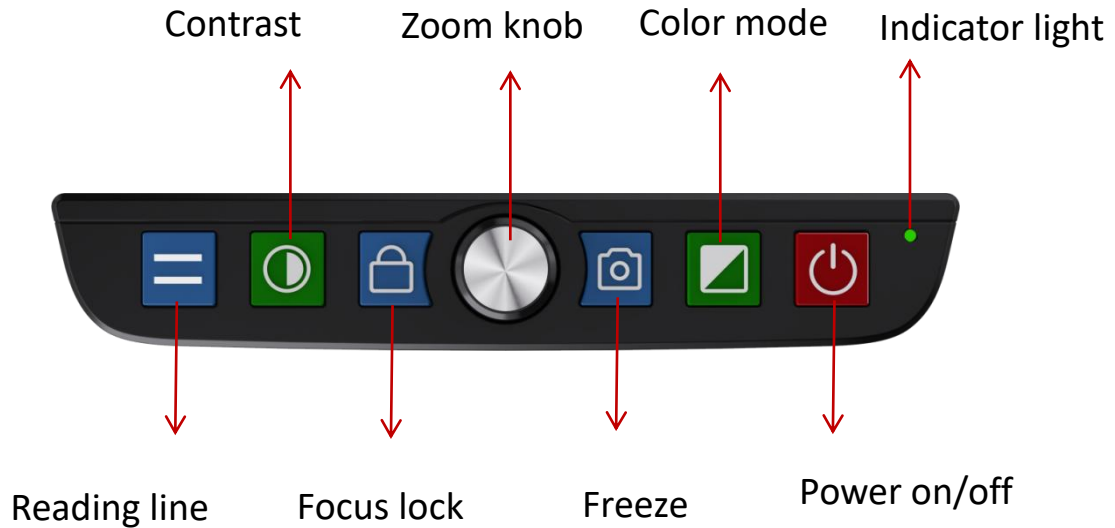
## 1.1 What's in the Box

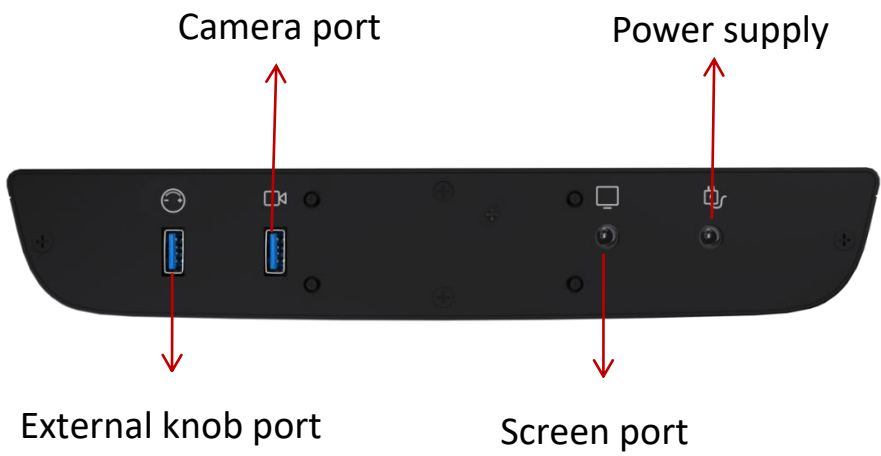
- Luna Eye            x1
- Adapter            x1
- External knob    x1
- USB cable        x1
- User manual        x1
- Quick start guide    x1
- Cleaning cloth      x1

## 1.2 Product Details



### 1.3 Button Box






## 1.4 External Knob Connection




- Connect the external knob to port on the button box interface with USB-C cable.
- Rotate counterclockwise to zoom out, and rotate clockwise to zoom in; Short press the zoom knob to freeze, and press it again to exit.

## **2. Basic Functions**

## 2.1 Power on/off

- Power Supply Connection: Connect the Luna Eye to the power supply with the charging adapter and USB cable, and the indicator light in the button box is bright yellow.
- Power on: Long press the power button  on the button box for 2S when you hear the buzzer sounds and the indicator light turns green..



- Power off: Long press power button  for 2S to turn off.
- Memory function: Luna eye will remember the values set before after restarting, like magnification times, color mode, contrast value, reading line mode, frequency, focus lock mode.

## 2.2 Viewing Mode Adjustment



-Near-view mode




-Distance-view mode



- Turn the camera down and close the close-up lens for near-view;

Turn the camera back and open the close-up lens for distance-view; Turn the camera toward yourself and close the close-up lens when taking a selfie.

### **2.3 Zoom in/out**

- Rotate the zoom knob  in the center of the button box clockwise to zoom in and counterclockwise to zoom out. When the zoom multiplier reaches the maximum or minimum you will


hear a beep sound and see **Min** or **Max** icon on the upper right corner of the screen. You can use the external knob to zoom in/out as introduced in the above page.

- The default magnification is 1x, and the magnification range is 1x-72x.
- Press and hold the zoom knob button  for 3s to memorize a magnification. Then after zooming, short press the zoom knob button  to go back to the memorized magnification directly.





And short press again to go to the current magnification.

## 2.4 Color Mode Setting





There are a total of 18 high contrast color modes in Luna Eye. At your first use of the device, it defaults to true color as well as four high-contrast colors: white on black, black on white, yellow on black, yellow on blue.

- Short press the color mode button  to cycle through the


available color modes, and long press the color mode button for 2s to return to true color.

- Short press the contrast button  and color code button  at the same time to enter the color mode selection page, then rotate the zoom knob button  to select, short press the color mode button  to confirm, and all the selected colors are available on live view.

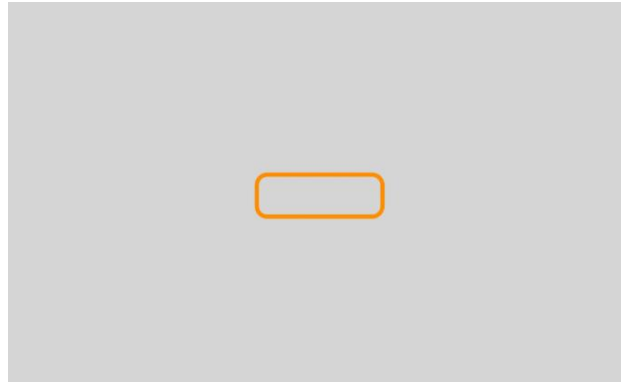
## 2.5 Panning


- Live view mode: Panning support at 11-72x
- Frozen image: Panning support at 1.5-72x
- Panning mode: Press and hold the focus lock button  and turn the zoom knob  to pan up and down; press and hold the freeze button  and turn the zoom knob  to pan left and right.

## 2.6 Find

- In live view mode, long press the focus lock button  to enter the Find mode and loose the button to exit.
- In Find mode, an orange frame displays on the screen and the the magnification of the image is 1x.






- Move your reading material and keep the content you want to view in the orange frame, release the focus lock button , you will see this content is enlarged in full screen for your easier


reading.

## 2.7 Freeze and Gallery



- Freeze: In live view mode, short press the freeze button  to freeze the screen, and a camera icon shows on the lower left corner. The frozen image supports zoom in/out, and color mode adjustment. You can also use the external knob to freeze or unfreeze.

- Short press the freeze button  again to release the screen.





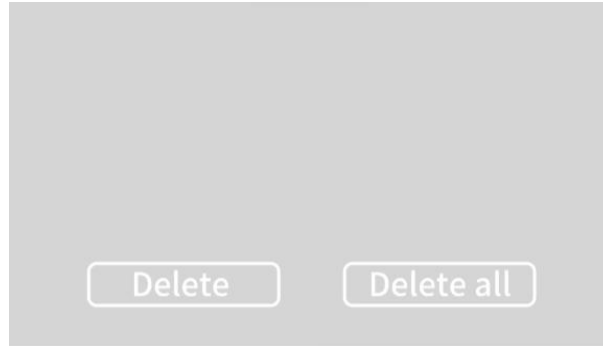
- Save: Long press the freeze button  to save the frozen image to the gallery, and the screen returns to live view.




- Gallery: In live view mode, double-tap the freeze button  to enter/exit the gallery, rotate the zoom knob  to select

images, short press the color mode button to view a single image.

- Delete the image: Choose the image you want to delete. Short press the Zoom Knob  to delete it. You can also delete all the images in the gallery if you select all of them. And short press the freeze button  to exit the delete page, back to gallery.






## 2.8 Reading Line/Mask

- In live view, short press the reading line button  and cycle


through 5 reading line modes: no reading line or mask, horizontal reading line, vertical reading line, horizontal mask, and vertical mask.







- Adjust the reading line position: Press and hold the reading line button  while rotating the zoom knob  clockwise to the right and up; counterclockwise to the left and down.
- Adjust the mask area: Hold the reading line button  while



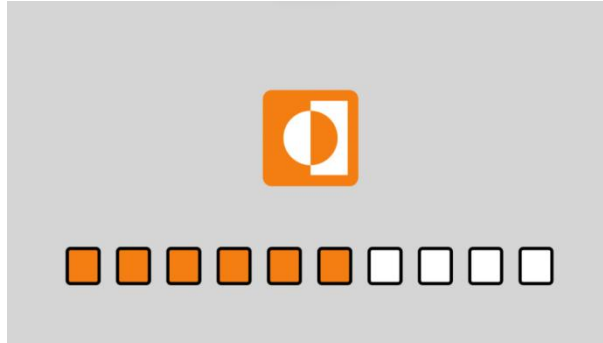
rotating the zoom knob  clockwise to increase the mask area (display area decreases) and counterclockwise to decrease the mask area (display area increases).

## 2.9 Contrast Value Adjustment

- In high contrast color mode, short press the contrast button , the screen displays the icon and current value, rotate the zoom knob  to adjust the contrast value, the value is



instantly saved.

- The icon disappears automatically in 3S when there is inactivity.  
Threshold to the minimum or maximum value would result in a buzzer sound.

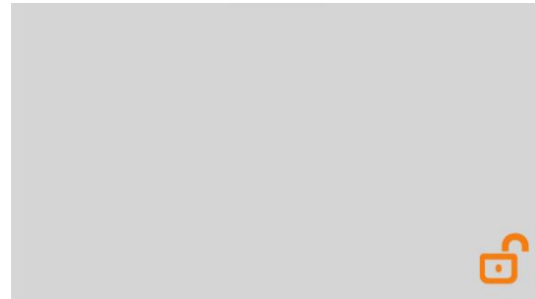


- Contrast value adjustment is invalid in true color mode.

## 2.10 Focus lock



- In live view mode, short press the focus lock button , the lower right corner of the screen displays the focus lock icon. At this time the focus has been locked, the screen will not be repeatedly focused.
- Short press the focus lock button  again to exit the focus lock mode, the lower right corner of the screen displays the

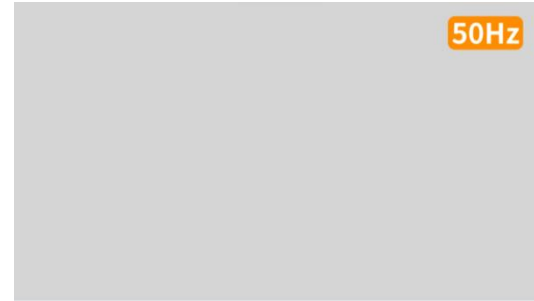
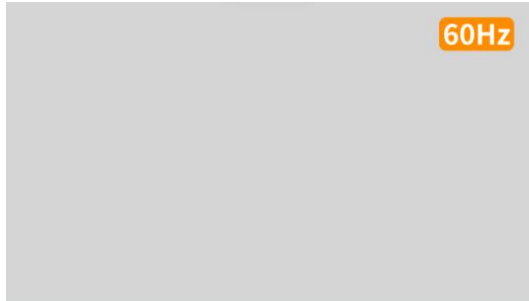
unlock icon, which disappears automatically in 2s.



### 3. Other Functions

### 3.1 Frequency

- Luna Eye factory default is 60Hz.
- Long press the contrast button  about 3s, the top right corner of the screen displays the current frequency. Short press the contrast button  to change the frequency and the value will be automatically saved. The icon of the frequency disappears after 3s.





### 3.2 Software Update

- Software update is for dealer use only: Use USB cable to connect the camera to the PC and copy the software package for

firmware version upgrade.

### 3.3 Restore Default Settings

- Long press the freeze button  for 10s, the screen displays a pop-up window where you can select "Yes" (to start restoring factory settings) or "No" (to exit back to the live page with current settings). Here you can choose "Yes" or "No" by rotating the zoom knob  and short press the color mode button





to confirm.

- If you confirm to restore the factory settings, Luna Eye will automatically reboot: Magnification, Color Mode, Contrast Value, Reading Line, Frequency, Focus Lock will be restored to the default status, and the gallery will be cleared.

### **3.4 Connect to Other Display**

- Use the supplied HDMI cable to connect Luna Eye with other

monitors, you can display the content captured by the camera of Luna Eye in other monitors, and the Luna Eye screen itself will automatically turn off upon successful connection.

#### **4. Safety and Care**

- When you open the package for the first time, please check whether the accessories are complete and the product is not

damaged. If there is any problem, please contact the dealer in time.

- When plugging in or unplugging the power supply, please pay attention to safety and ensure that your hands are dry.
- Do not electrically plug and unplug the HDMI cable connected to the camera and monitor.
- Do not plug in other power adapters that are not supplied by Zoomax.

- Product labels contain information such as product specifications and production serial numbers. Please do not tear them up.
- Please make sure the machine is dry; pay attention to dustproof and avoid humidity and high temperature.
- Do not subject to severe shock, vibration, crushing or dropping.
- Ensure that the lens and the close-up lens are clean. If you need to wipe them, use a special cleaning cloth.

## 5. Trouble Shooting

Trouble	Solution
Distance view image is blur	Please be sure the close-up lens is opened, and you can short press the focus lock button to trigger focus.

Contrast value adjustment does not work	Contrast value adjust works only in high contrast color mode.
Panning does not work	Panning works only under magnification of 11-72x

## 6. Specifications

- Magnification: live view 1-72x

- Color mode: 18 high-contrast color modes
- Size(24-inch): LWH 540\*302\*626mm, writing height 520mm
- Camera: 11x optical zoom lens, auto focus, 1920\*1080, 60FPS
- Screen: 24-inch monitor with the resolution of 1920\*1080
- Weight: approx. 6.8kg/14.9lbs
- Adapter: input 100-240V; output 19V/3A

## **7. Service and Support**







- Thank you for choosing our products, this product since the date of sale of the warranty period, the warranty period of two year. In the warranty period, where in accordance with the product instructions for normal use, the product itself quality problems arising from the failure, the company will be responsible for giving free maintenance.
- If you purchased this product through an authorized dealer,















please contact them first for assistance and describe the problem you are experiencing in as much detail as possible.

- If you need additional accessories, such as adapters, please purchase them directly from your local dealer.

## **8. Certification and Compliance**

Symbol	Introductions	Symbol	Introductions
	CE Symbol		AUTHORISED REPRESENTATIVE IN THE EUROPEAN COMMUNITY
	Manufacturer Address		Name
	Batch Code		Store in clean & dry place protected from rain, snow, ice, salt and water.

	<p>Warnings and Precautions</p>		<p>non-sterile</p>
	<p>medical device</p>		<p>Use-by date</p>
	<p>Keep dry</p>		<p>Keep away from Sunlight</p>
	<p>Consult instructions for use</p>		<p>Unique Device Identification</p>

	Country Manufacture of		Model Number
	Importer		Distributor

European Authorized Representative:



Company: SUNGO Europe B.V.

Address: Fascinatio Boulevard 522, Unit 1.7, 2909VA Capelle aan den IJssel, The Netherlands

**A- for Customer**

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Name

---

Tel

---

Mail

**B -Product Information (for Distributor)**

---

Product Name/Model

---

Purchase Date

---

S/N



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