

Wireless Digital Eyepiece

Instruction Manual



Model: WT1

V1.0

Thank you for choosing our Wireless Digital Eyepiece!
Please read this manual carefully before use.

FCC WARNING

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.

Any changes or modifications not expressly approved by the party responsible for compliance 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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.

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Product Overview

4.3-inch WiFi Digital Eyepiece with Screen – Wireless Stargazing, Boundless Vision

Designed for astronomical observation and outdoor exploration, this 4.3-inch WiFi digital eyepiece with a built-in screen breaks the limitations of traditional eyepieces. Featuring a standardized telescope interface (compatible with most 1.25-inch/2-inch eyepiece mounts), it easily connects to various astronomical telescopes.

- ◆ Built-in HD IPS display – Supports 1080P live imaging, eliminating the need to hunch over the eyepiece. Perfect for group viewing of stars, birds, or distant landscapes.
- ◆ Integrated WiFi module – Wirelessly connect to smartphones/tablets for remote control, real-time capture, recording, and image sharing. Ideal for astrophotography, outdoor research, and travel documentation.
- ◆ Lightweight & energy-efficient – A portable observation tool for astronomy enthusiasts and outdoor adventurers.

Precautions

Safety Warnings

Electrical Safety

- ◆ Use only the or(5V/1A). Non-certified power adapters are prohibited.
- ◆ Do not charge the device in high-temperature environments (>45°C) or enclosed spaces.

Operating Guidelines

Device Connection

- ◆ When attaching the eyepiece, ensure the interface diameter ($\Phi 26-47\text{mm}$) is compatible. Excessive force may damage the locking mechanism.
- ◆ For WiFi connection, keep the mobile device within 10 meters of the eyepiece. Walls may weaken signal stability.

Battery Maintenance

- ◆ Charge regularly—avoid leaving the battery below 20% for extended periods.
- ◆ If unused for over 1 month, maintain battery level at 50%-70% and top up briefly (10 mins) every two weeks.

Self-Repair Restrictions

- ⚠ Do not disassemble the device (including screws or screen components). Unauthorized repairs void the warranty.

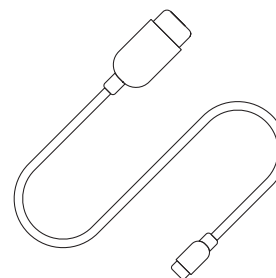
Product Specifications

Screen Size	4.3 inches
Color	Black
Camera	1 Megapixel (1MP)
Battery Capacity	800mAh
Input Voltage/Current	DC5V==1A
Charging Port	Type-C
Image Format	JPG
Video Format	AVI
Image Resolution	1920x1080
Video Resolution	1920x1080
Compatible Eyepiece Diameter	26mm-47mm
Digital Zoom	2X

Accessories List



Main Unit *1



Type-C Cable*1



Silicone Case*3



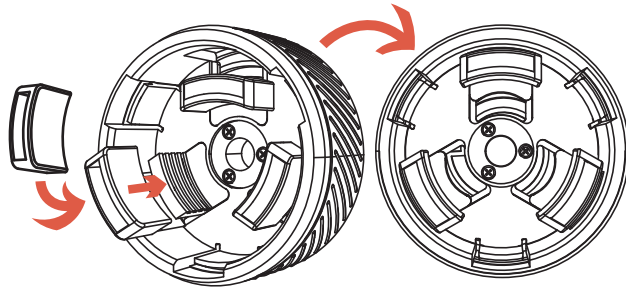
Memory Card*1

Notes:

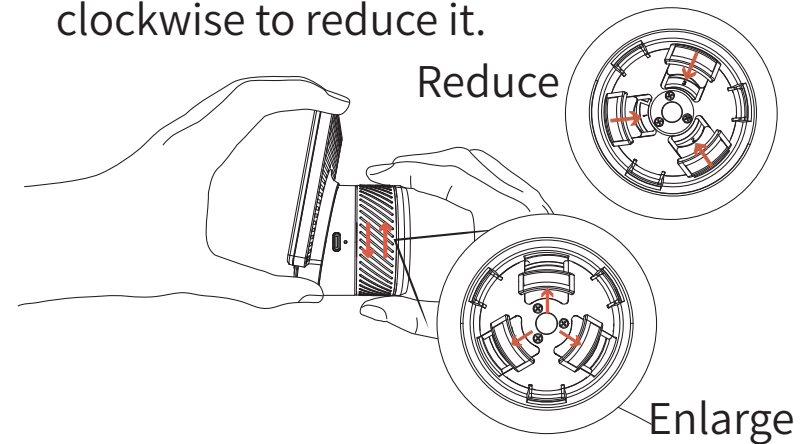
The memory card is an optional accessory (not included in standard packaging unless specified).

Installation Guide

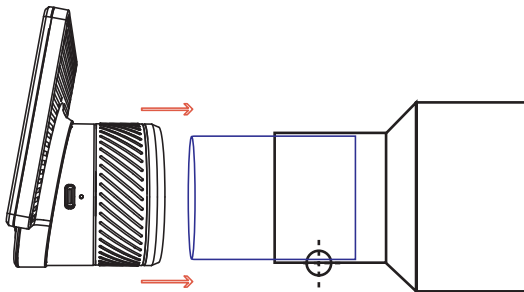
Step 1: Install the silicone sleeve onto the 3 claws (if the eyepiece diameter is too large, the silicone piece can be removed for use).



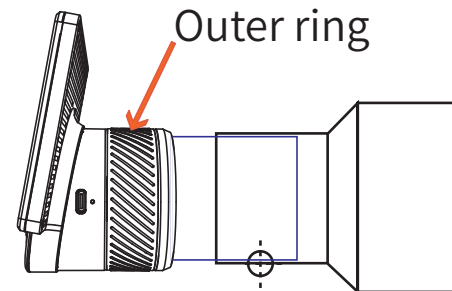
Step 2: Turn the outer ring clockwise to enlarge the diameter, or counter-clockwise to reduce it.



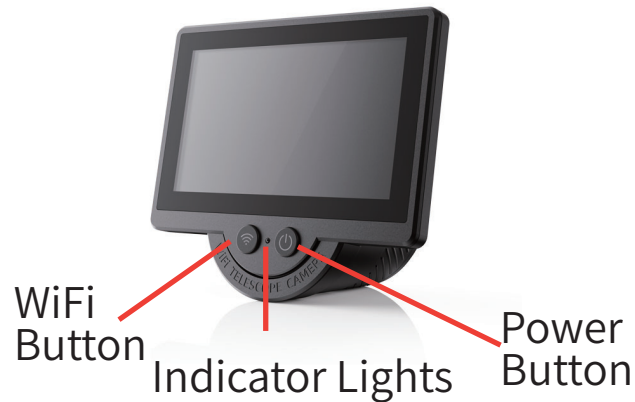
Step 3: Attach the device to the telescope



Step 4: Rotate the outer ring until it is firmly fixed



Device Introduction



Power Button

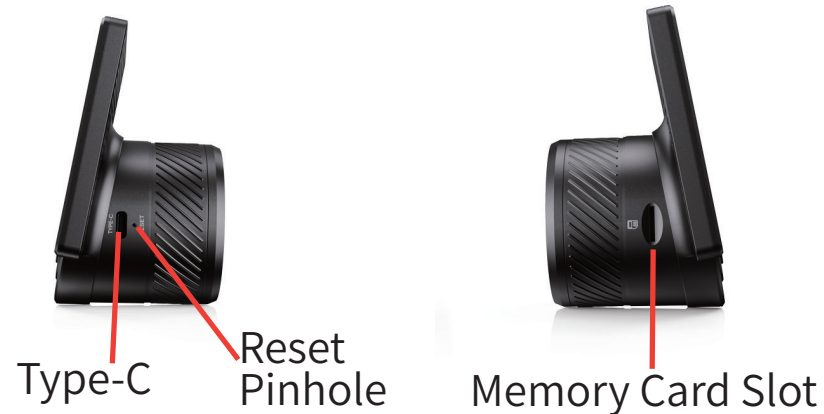
- a. Long press (3s): Turn ON/OFF
- b. Short press: move right

Indicator Lights

Blue: work, Red:charging

WiFi Button

- a. Long press (3s): Toggle WiFi ON/OFF
- b. Short press: Confirm selection



Type-C Interface

- a. Charging
- b. Data transfer capability

Reset Pinhole

For factory reset (use pin to activate)

Memory Card Slot

Supports expandable storage
(4GB-64GB, Class 10 required)

Device Introduction

Physical Button Operations

Long press the Power button (3 sec) to turn the device ON

Take a photo: Press the Power button once.

Start/Stop recording video: Double-press the Power button to begin recording and press once to stop recording.

Preview Mode:

Enter preview: Press the WiFi button once.

Navigate previews: Press the Power button to flip pages.

Exit preview: Long press the WiFi button (3 sec).

File Deletion:

⚠ Files cannot be deleted directly on the device.

Use a computer or mobile app to manage/delete files.

Mobile App Usage

Mobile App Download Guide

For Android Users:

Scan the QR code below to download the app directly, you can also search for the " **Molnt** " APP in Google Play.

For iOS Users:

Search for the " **Molnt** " APP in App Store.



Scan to Download

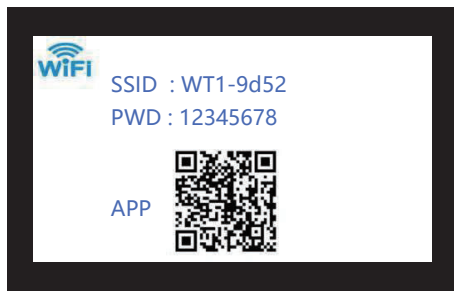


Molnt App

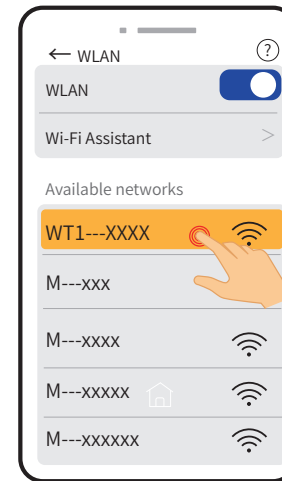
Mobile App Usage

Connecting "Molnt" App to Device WiFi

1. Long press Power button for 3 seconds to turn on
2. Long press WiFi button for 3 seconds to activate/deactivate WiFi (WiFi name 【SSID】 and password will display on screen)
3. Open "Molnt" app and tap "Connect WiFi"
From network list, select "WT1-XXXX" (your device's SSID)
Enter default password: 12345678



screen display



Mobile App Usage

Connecting "Molnt" App to Device WiFi

4. Tap "Connect" → "Connected (No Internet)" → Tap the "←" (Back button) in the top-left corner to return to the Molnt App homepage

Now you can control the eyepiece remotely, view live images, and capture/record directly from the app.

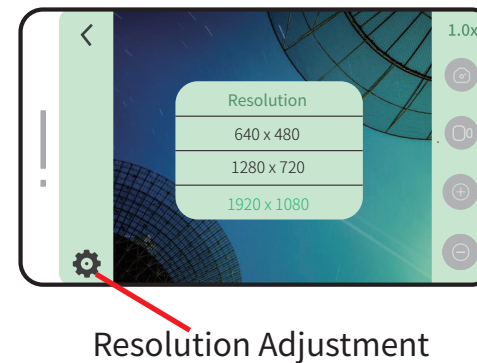
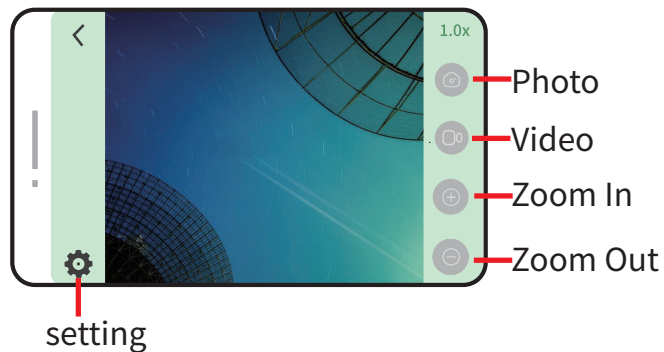


Mobile App Usage

Photo & Video Recording

1. Tap "Start Observation" to locate your target.

Right-side navigation buttons (top to bottom): Photo→
Video→Zoom In→Zoom Out



Gallery Browsing

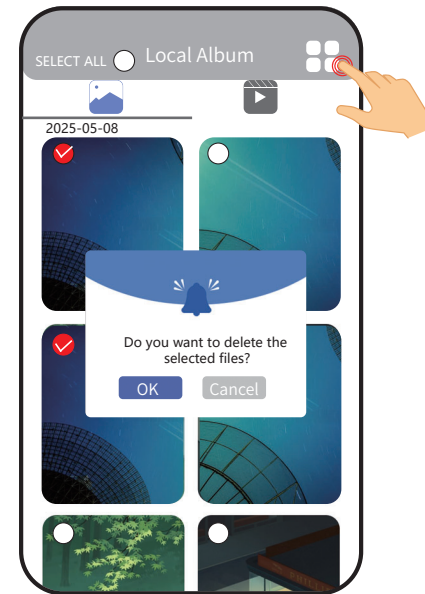
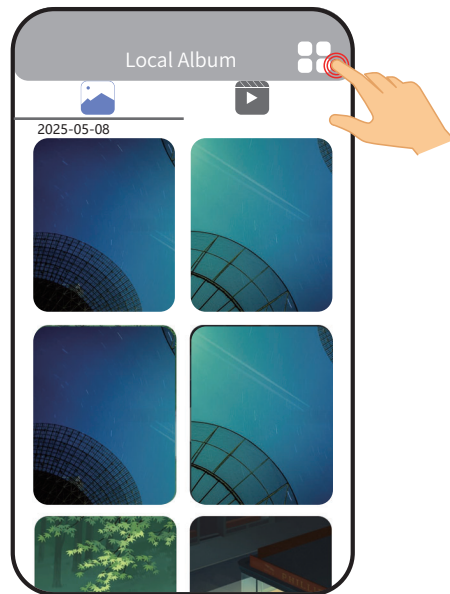
Local Gallery: View photos/videos saved on your phone/tablet via the [Molnt](#) app.

Device Gallery: Access photos/videos stored on the eyepiece' s memory card.

Mobile App Usage

Local Gallery

Deleting Files: Click "☐☐☐☐" (top-right corner) → Select files (checkmarks appear) → Click "☐☐☐☐" (top-right corner) → Confirm with "OK" or cancel



Mobile App Usage

Device Album

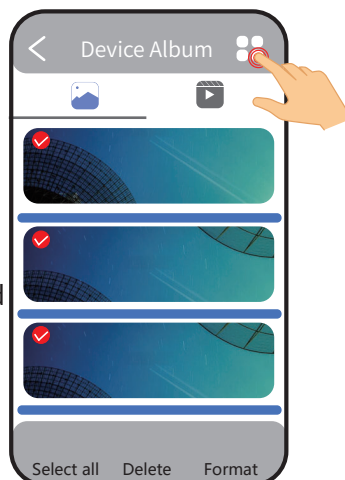
Download: Click to download the picture to complete the download.

Deleting Files: Click "☐☐" (top-right corner) → Select files (checkmarks appear) → Click "☐☐" (top-right corner) → Confirm with "OK" or cancel.

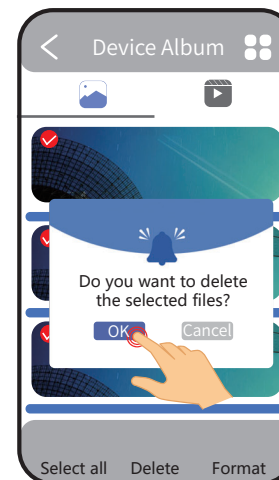
Format: Click to format to clear the memory card data.



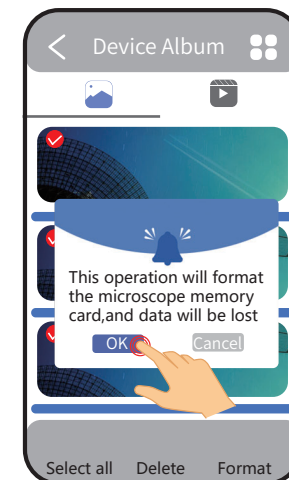
Download



Select files



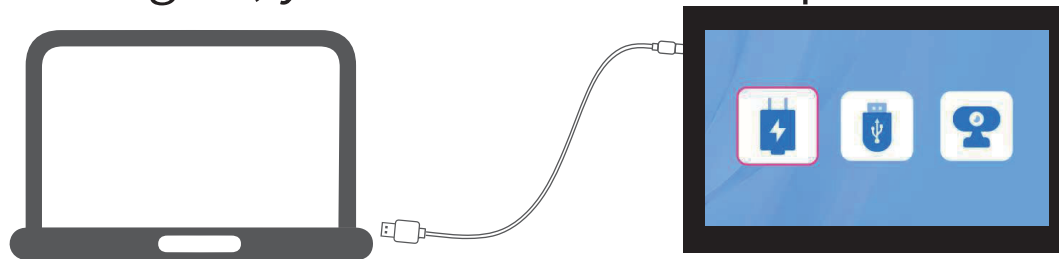
Confirm
Deletion



Format

Computer Software Usage

When connecting the eyepiece to a computer via Type-C cable and powering on, you will see 3 mode options:



PC Camera

Step1: Press ⏻ to select "PC Camera" , Press 📶 to activate

Step 2: Open compatible software For software setup, refer to pages 15-18

Storage Mode

Step1: Press ⏻ to select "Storage Mode" , Press 📶 to

Step2:View/transfer photos/videos and format the memory card

Charging Mode

Step1: Press ⏻ to select "Charging Mode" , Press 📶 to activate

Step2 :The device charges while remaining operational.

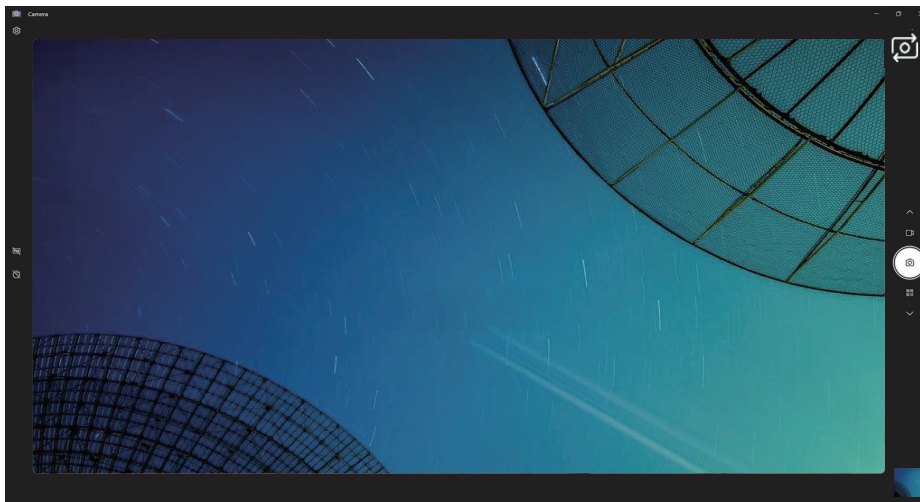
Computer Software Usage

Different systems require different software. Please choose and download the corresponding software based on your system.

1 For Windows 10 and higher versions:

Search for the software in the Microsoft Store “ [UniLab](#) ” or use the pre-installed software on your computer called “ [Camera](#) ”

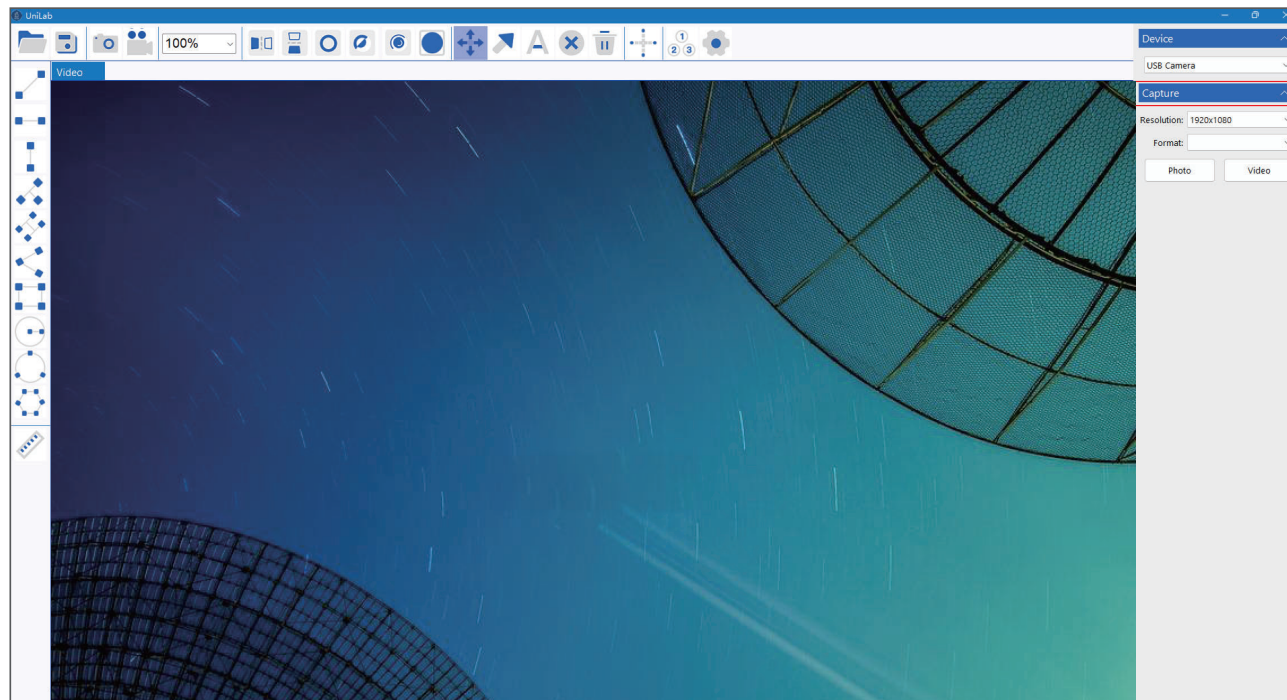
Software “ [Camera](#) ” page, as shown:



Note: Click  located at the top right corner of the screen to switch the camera . If the image still cannot be captured, please adjust the privacy settings of your camera.

Computer Software Usage

Software “Unilab” page, as shown:

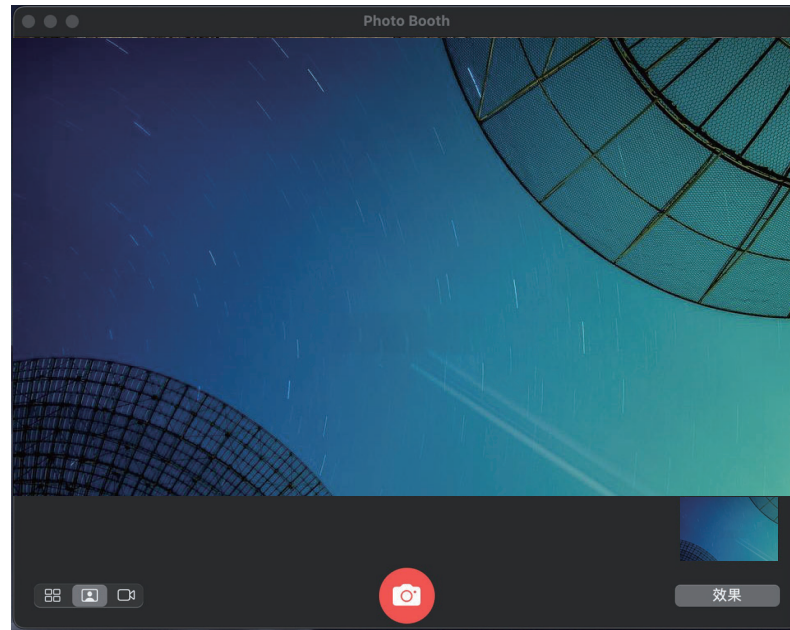


Computer Software Usage

- 2 For MacOS systems (Supports MacOS X 12.0 or higher versions):

Use the pre-installed software on your Apple computer called "**Photo Booth**"

Software "Photo Booth" page, as shown:



Computer Software Usage

- 3 For Windows7 or above, If you cannot obtain the APP by the above methods, please try to download it from our website.

Download link : <http://www.weetool.net>

Select **UniLab for Windows** or **amcap** , as shown

English / 中文

Download		
UniLab for Windows.exe	699.55KB	Download
W1 user manual.pdf	69.09MB	Download
amcap v3.0.9.exe	722.0KB	Download

Prev 1 Next

Thank you!

