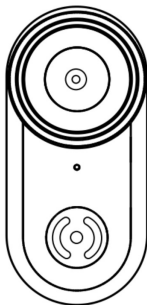


# **4K Thumb Camera L20**

## **User Manual**



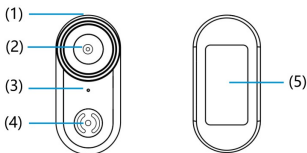
# Table of Contents

|                              |     |
|------------------------------|-----|
| Product Overview .....       | 3   |
| First-Time Use .....         | 5   |
| Button Functions .....       | 6   |
| Interface Overview .....     | 6   |
| Parameter Introduction ..... | 7-8 |
| Connect to APP .....         | 9   |
| Troubleshooting .....        | 10  |
| Usage Notes .....            | 10  |

## Product Overview

L20 4K WiFi HD Thumb Camera — Redefine Outdoor Shooting with Ultimate Portability! Equipped with a 4K HD camera system, it captures every detail and true color. The built-in WiFi hotspot allows instant video transfer to your phone for quick sharing. Thumb-sized and lightweight, it's perfect for sports adventures, travel check-ins and daily shooting, easy to store and ready to use anytime. With an IP65 water-resistant rating, it withstands rain and splashes, letting you record wonderful moments effortlessly in diverse scenarios!

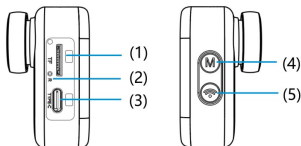
### Front:



- (1) Speaker
- (2) HD Camera
- (3) Microphone

- (4) Power Button
- (5) 1.47-inch HD Display

## Side:



- (1) TF Card Slot
- (2) Reset Button
- (3) USB-C Charging Port

- (4) Mode Button
- (5) WiFi Button

## Card Insertion Direction



**Warning:** Do not insert worn or damaged memory cards into the device, as this may cause a short circuit or device burnout!

## First-Time Use

### Power On

Press and hold the Power Button to turn the camera on or off.

### Battery Charging

It is recommended to fully charge the device before first use. Please use the included charging cable and a certified 5V/2A USB charger.

## Warning

**Do not use inferior or uncertified chargers, as they may damage the battery or compromise charging safety!**

## Key Functions



**Power Button**

Long press:  
Any interface: Power on/off  
Short press:  
Menu/Mode selection: Confirm  
Record/Photo/Time-lapse:  
Record/Shoot



## Mode Button

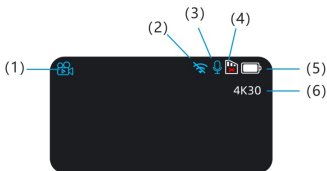
Long Press:  
Recording/Photo/Time-lapse  
Mode: Turn on/off current mode menu  
Menu Interface: Return to previous level  
Short Press:  
Mode Selection Interface: Select Left  
Menu Interface: Select Up



## WiFi Button

Long press:  
Record/Photo/Time-lapse: WiFi on/off  
Short press:  
Mode selection: Select right  
Menu: Select down  
Record/Photo/Time-lapse: Flip screen

## Interface Icon Guide:



(1) Mode Icon

(2) WiFi Status

(3) Microphone Status

(4) Memory Card Status

(5) Remaining Battery Level

(6) Resolution & Frame Rate

## Menu Parameters

### Video Mode Menu

|                           |                                            |
|---------------------------|--------------------------------------------|
| Resolution/<br>Frame Rate | 1080P60fps/2.7K30fps/2.7K60fps/<br>4K30fps |
| Exposure<br>Compensation  | +3/+2/+1/0/-1/-2/-3                        |
| Pre-recording<br>Switch   | 1s/3s/6s/Off                               |
| Segment<br>Recording      | Off/On                                     |

### Photo Mode Menu

|                          |                         |
|--------------------------|-------------------------|
| Size                     | 1M/2M/4M/8M/12M         |
| Exposure<br>Compensation | +3/+2/+1/0/-1/-2/-3     |
| Delay<br>Photography     | Off/2s/5s/10s           |
| Burst Shot<br>Count      | 2 Shots/3 Shots/5 Shots |

### Time-Lapse Mode Menu

|                           |                                            |
|---------------------------|--------------------------------------------|
| Resolution/<br>Frame Rate | 1080P60fps/2.7K30fps/2.7K60fps/<br>4K30fps |
| Exposure<br>Compensation  | +3/+2/+1/0/-1/-2/-3                        |
| Shooting<br>Interval      | Off, 1fps/s, 2fps/s, 5fps/s                |
| Recording<br>Duration     | 1min/3min/5min/10min                       |

### Special Function Description

#### Pre-recording Switch

After enabling the pre-recording function, switching to video mode will automatically start pre-recording based on the selected pre-recording duration. The pre-recorded content before the official start of video recording will not be saved.

## Settings Parameters

|                          |                     |
|--------------------------|---------------------|
| Screen Orientation       | Portrait/Landscape  |
| Volume Settings          | Off/Low/Medium/High |
| Video Watermark          | Off/On              |
| Key Tone                 | Off/On              |
| Stealth Mode             | Off/On              |
| Anti-Flicker             | 50Hz/60Hz           |
| Screen Sleep             | Off/1min/3min       |
| Loop Recording<br>Switch | Off/On              |
| Language Settings        | Set camera language |
| Time Settings            | Customize time      |
| Memory Card<br>Format    | Format memory card  |
| Version Info             | Firmware version    |
| Factory Reset            | Reset camera        |

### Special Function Description

#### Stealth Mode

Enabled: Key tones & indicator lights off; videos keep audio; screen auto-off 5s after recording starts. Disabled: Normal recording mode. Enabled: Key tones & indicator lights off; videos keep audio; screen auto-off 5s after recording starts. Disabled: Normal recording mode.

## Connect to the App

Scan the QR code below to download and install the **Viipulse** App.



(1) In video/photo/time-lapse mode, long-press the WiFi button. The camera screen shows the WiFi hotspot name and password.

(2) Open "Weiyou Yipai" App, tap "Connect Camera" — it redirects to your phone's WiFi settings. Add the network with the camera's name/password, then return to the App to use.

### Troubleshooting

If the camera becomes unresponsive or encounters any other issues during use, you can force-reset it via the camera's reset hole.

### Usage Notes

- (1) Do not insert/remove microSD card during recording to avoid file or card damage.
- (2) Keep lens and microphone clean for optimal video/audio quality.
- (3) No disassembly/modification; unauthorized actions damage camera and void warranty.
- (4) Use only Class 10+ microSD cards, max 256GB.
- (5) Charge with certified USB adapters only; avoid inferior chargers to prevent hazards.
- (6) Store in cool, dry place; avoid direct sunlight/extreme temperatures. IP65 splash-proof only – no diving or over-limit waterproof operations.
- (7) Keep device away from heat sources and dry, overheated indoor areas.
- (8) Do not strike, crush, throw or place heavy objects on the product.
- (9) Contains magnets; keep away from pacemakers and other magnetically sensitive devices.
- (10) Charge and power on the device regularly if unused for long periods (e.g., 3 months).

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

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.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

The device has been evaluated to meet general RF exposure requirement, the device can be used in portable exposure condition without restriction