
Flip VLOGGING Camera User Manual

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Important Tips

Improper operation may damage the camera or cause danger. Please read and follow this manual carefully.

Safety Information

- ◇ Children are prohibited from using the camera and its accessories alone.
- ◇ It is prohibited to use the camera near fire sources, such as stoves, candles, etc.
- ◇ Keep the device ventilated during charging and do not cover it, otherwise the camera may be damaged or an accident may occur.
- ◇ If the camera is damaged, soaked in water or short-circuited, please turn it off immediately.

Battery and LCD

- ◇ Batteries are chemical products, and misuse may cause fire or result in accidents.
- ◇ Prohibit short-circuiting, impacting, crushing, puncturing, disassembling or burning the battery.
- ◇ If the battery swells or leaks, stop using it immediately.
- ◇ Prohibit squeezing or striking the screen.
- ◇ If the screen is cracked, do not touch it. In case of inadvertent contact, rinse it off with water immediately. If swallowed inadvertently, rinse mouth immediately and drink plenty of water, seek medical attention immediately!

Usage and storage environment

- ◇ Do not use or store in places with strong vibration or excessive dust.
- ◇ Do not use corrosive solvents to clean the camera and accessories. Please use a clean soft cloth to clean.
- ◇ Use environment: temperature -10 °C ~40 °C (14°F~104°F) , humidity $\leq$ 60% , dustproof.
- ◇ Storage environment: temperature -20 °C ~60 °C (-4°F ~140°F) , humidity $\leq$ 30% , dustproof.

Other warnings

- ◇ Cameras with Wi-Fi or Bluetooth may interfere with aircraft or medical equipment, etc. Do not use them where prohibited by law.
- ◇ Please comply with local laws and regulations regarding the use of wireless devices.
- ◇ Please comply with local laws and regulations regarding personal privacy protection.
- ◇ It is forbidden to discard the camera and its accessories at will. Please dispose of them according to local laws.
- ◇ Do not disassemble the camera by yourself, otherwise you will lose the warranty. If you encounter any malfunction, please find a professional to handle it.

Computer system requirements

When connected to a computer, the computer specifications must not be less than the following:

Core i3/3.0G or above processor /Windows XP or above operating system /8GB or above memory /2GB or above graphics card /500GB or above available disk space / standard USB2.0 or above interface /1920x1080 pixels or higher screen resolution.

If your computer is of low specifications, it may not work properly when connected to the camera.

Please test shoot and check before use to ensure that the camera is working properly. We will not be responsible for any additional losses caused by improper use or malfunction.

Copyright and trademark

Microsoft/ Windows are registered trademarks of Microsoft Corporation. CORE is a registered trademark of Intel Corporation.

Android is a registered trademark of Google Inc. Macintosh/Mac OS/iOS are registered trademarks of Apple Inc.
The product names, proper nouns or trademarks cited are registered trademarks of the respective owners.

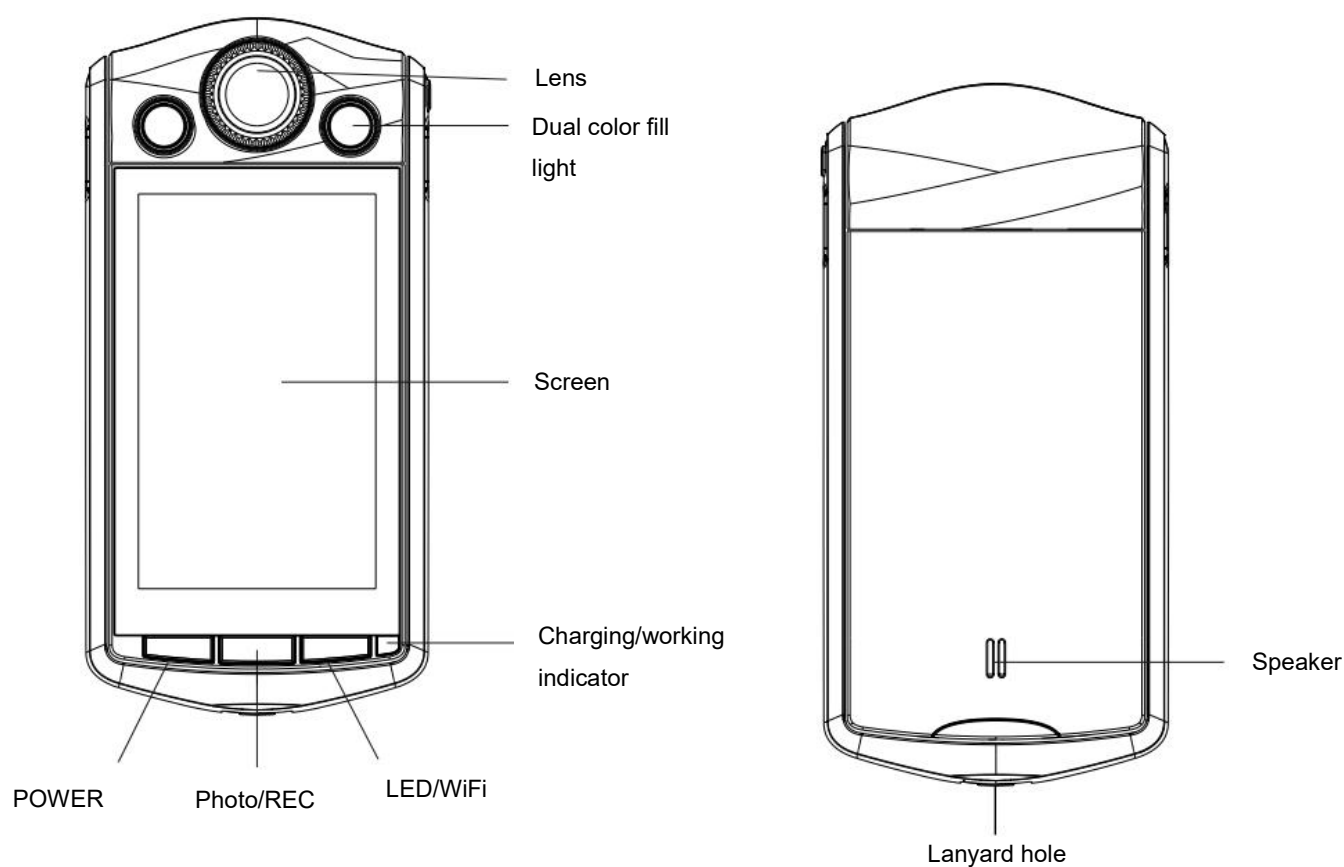
1. About the camera

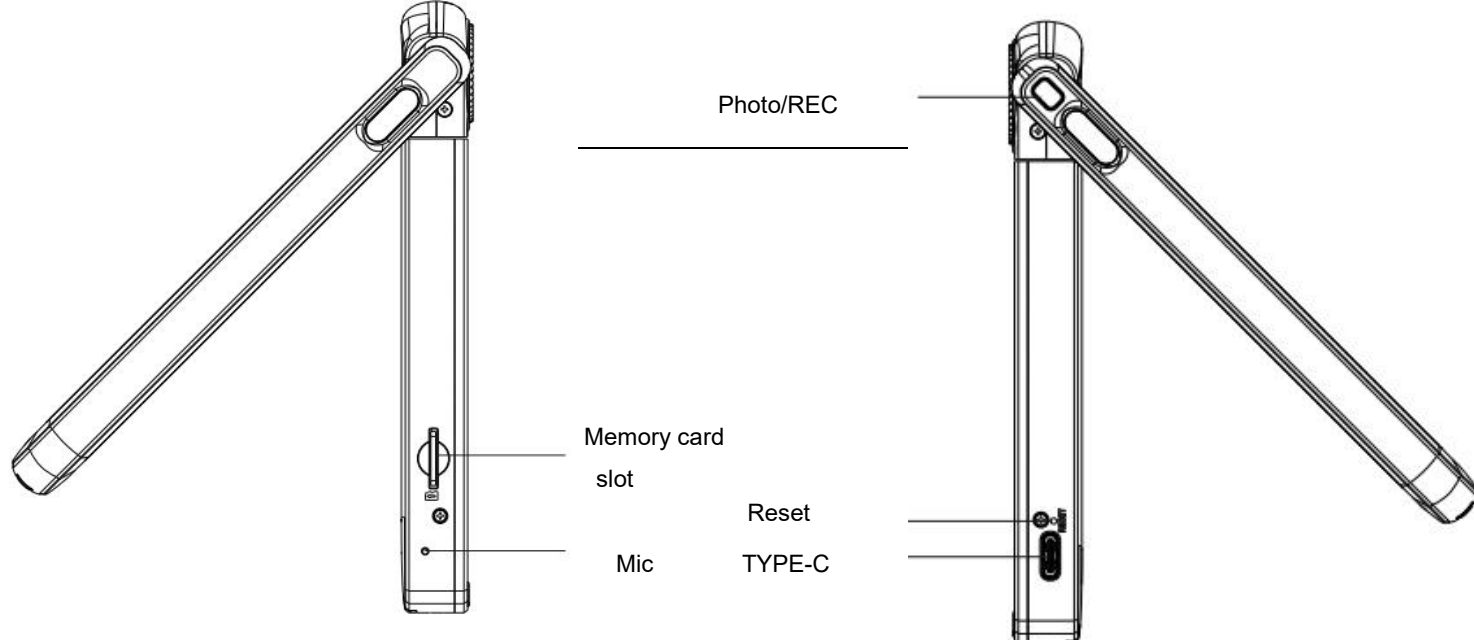
Welcome to choose this product, we will serve you warmly!

This is a 4K ultra-clear digital camera with the following features:

- ◇ 4K ultra-clear ◇ 64 million pixels ◇ 360°+270° flip ◇ Multi-angle shooting
- ◇ 3.5 - inch IPS high-definition touch screen ◇ Bluetooth remote control ◇ Time-lapse recording
- ◇ Slow motion recording ◇ 9 scenes ◇ 8 special effects ◇ Night scene mode
- ◇ Dual color fill light ◇ WiFi wireless, APP operation ◇ Supports up to 256 GB memory card

1. 1 Diagram





1. 2 Button description

Icon	Button Name	Functional Description
	[POWER] key	Press to turn on the power, long press again to turn off the power
	[Photo/REC] key	Photo mode: Photo Recording mode: Record/Stop recording
	[LED/WiFi] button	Short press to turn on/off the fill light Long press to turn on WiFi
	[Photo/REC] key	Photo mode: Photo Recording mode: Record/Stop recording
	[RESET] key	Reset Camera When the camera freezes or cannot be shut down, press this button to restart the camera.

Note : [] symbol , it indicates a button or switch of the camera.

1.3 Multi-angle rotation

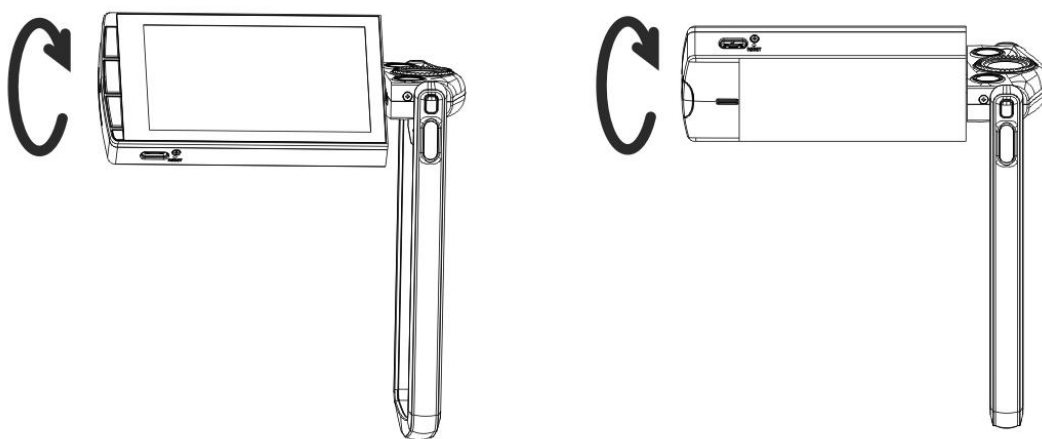
To adapt to various shooting occasions and help users find the best angle, the camera is designed with a 360 ° rotating bracket and a 270 ° rotating screen.

Please refer to the illustration to rotate the camera frame or screen to adjust it to the best position.

Rotate the camera frame:



Rotate the screen:



2. Prepare for use

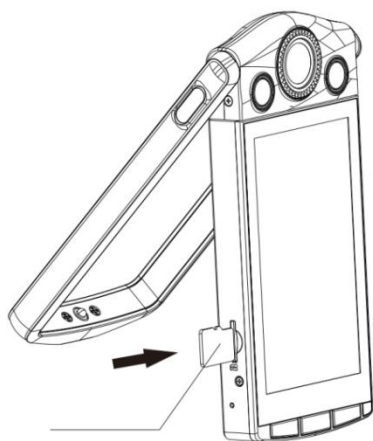
2.1 Install the memory card

install a memory card in the camera before use .

2.1.1 Insert the memory card as shown in the figure (with the metal contacts facing the screen) and push it in until you hear a “click” sound.

2.1.2 Turn on the camera and format the memory card (see Section 6.8)

2.1.3 If the camera prompts “ Card is full ”, please replace the card with a new one or clear the files on the card .



Insert a memory card

Notice:

Use a qualified memory card of U3 grade or above. Poor quality cards will cause the camera to malfunction.

Do not remove or insert the memory card when the computer is powered on; otherwise, the memory card may be damaged or data may be lost.

2. 2 Charging

2. 2 .1 Connect the USB charger, the red indicator light will light up to indicate that charging is in progress, and the indicator light will go out when charging is completed.

2. 2 . 2Charger specifications: output DC 5V/ 1.5A .

2. 2 . 3 Connect to computer for charging. Use USB cable to connect the camera to computer. The red light will light up to indicate that it is charging . When charging with computer, it is recommended to turn off the camera to save charging time.

2.2.4 Recording video while charging

To accommodate long-term shooting, the camera can be charged while recording . This function must be powered by a charger and is not allowed to be powered by a computer, otherwise it may damage the computer!

Notice:

Please make sure the charger and power supply meet the requirements!

Ensure ventilation during charging and do not cover it. After charging is completed, remove the power supply as soon as possible!

2. 3 Turning the camera on and off

2. 3 .1 **Press** [POWER] to turn on the camera, and long press [POWER] to turn off.

2.3.2 When not in use for a long period of time, the camera will automatically shut down to save power.

2. 4 Switching working mode

Switch the camera working mode. Click "MODE" in the lower left corner of the screen or slid on the screen to switch the working mode .

Video recording mode: The screen displays the "  " icon, and you can record videos.

Photo mode: The screen displays the "  " icon, and you can take photos.

2.5 Connect to computer

The camera can be connected to the computer using a USB cable. After connection, you can transfer files or use it as a PC camera .

2. 5 .1Use a USB cable to connect the camera to the computer. Turn on the camera and the screen will display the

option “ USB /Mass Storage / PC Camera ” to indicate a successful connection.

2. 5.2 Click the screen icon to confirm. Select “Storage” to use it as a normal USB flash drive. Select “Camera” to use it as a computer camera.

Note: When you select “PC Camera”, you need to download the corresponding PC software.

2. 6 Zoom

The camera has a zoom function . In video or photo mode, slide two fingers apart to zoom in, and slide two fingers apart to zoom out .

2.7 Use flash

The camera has a built-in cool and warm dual-tone flash that can compensate for light and correct color temperature to help you take beautiful photos and videos .

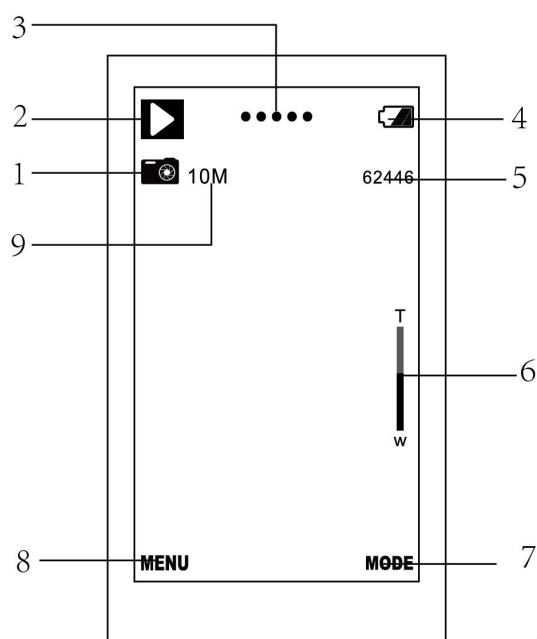
In photo or video mode, short press [LED/WiFi] to turn on and switch between warm/cold/warm/cold dual-color light/off.

3 Photo mode

Take a picture and set the photo menu . If you are not familiar with this camera, the default settings are recommended.

Turn on the camera and enter the photo mode by default . The screen displays as follows:

1 Photo mode	2 Playback	3 Quick Menu Icons	4 Battery Satus
5 Available photo count	6 Magnification	7 Mode switch	8 Menu
9 Photo resolution			



3.1 Take a photo

Hold the camera steady, keep it balanced, adjust the angle, and press [Photo/REC] to take a photo.

3. 2 Photo resolution

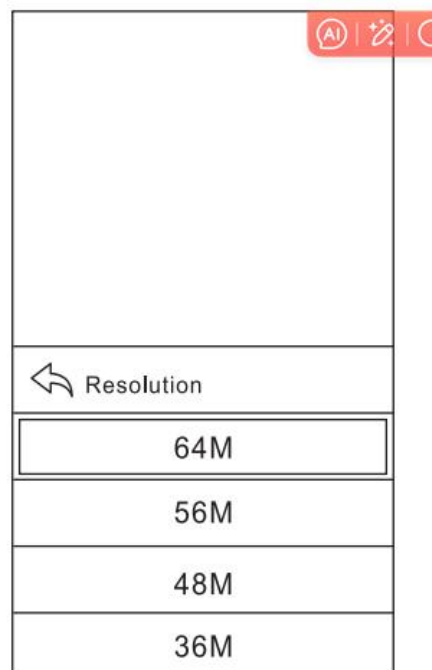
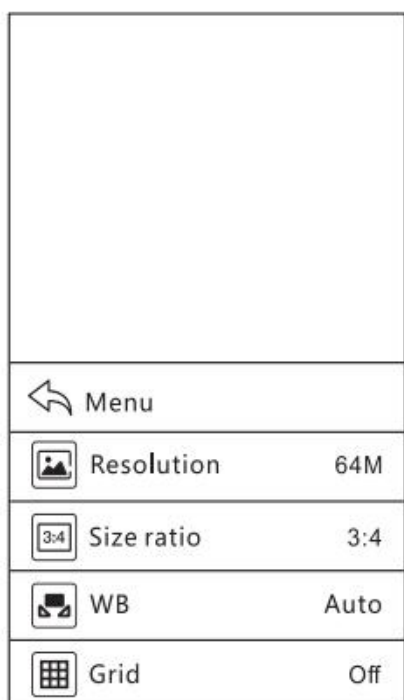
Set the photo resolution.

3. 2 .1 Click [MENU] to pop up the menu, and then click “ Resolution ” to enter the sub-menu.

3. 2 .2 Swipe up/down , tap the required photo resolution , save and return automatically .

3. 2 .3 If you do not need to continue, click  to exit.

(The following operations are the same. After completing all settings, click  to return to photo mode)



3.3 Size ratio

Set the ratio of the photo size.

3. 4 White balance

Adjust and correct the white balance of the image according to the lighting environment . Automatic mode is recommended.

3. 5 Grid

There are three types of framing grids to assist with composition and improve shooting efficiency .

3. 6 Burst

After turning on this function, each time you press [Photo/REC], the camera will take three /five photos in succession.

3.7 Quality

Set the quality of the photo. The higher the quality, the clearer the photo will be, but it will take up more storage space .

3.8 Sharpness

Set the sharpness of your photo to make edges more or less crisp.

3. 9 Sensitivity (ISO)

Set the photos' sensitivity. Automatic mode is recommended.

3.1 0 Exposure

Adjust the exposure of the photo . The larger the EV value, the brighter the photo , and vice versa .

Note: When the ambient brightness is low, this function will be ineffective.

3. 11 Wide dynamic range (WDR)

By turning on wide dynamic range, you can take clearer photos in places with strong contrast between light and dark .

3. 12 Metering

Set the camera's metering mode.

3. 13 Date Stamp

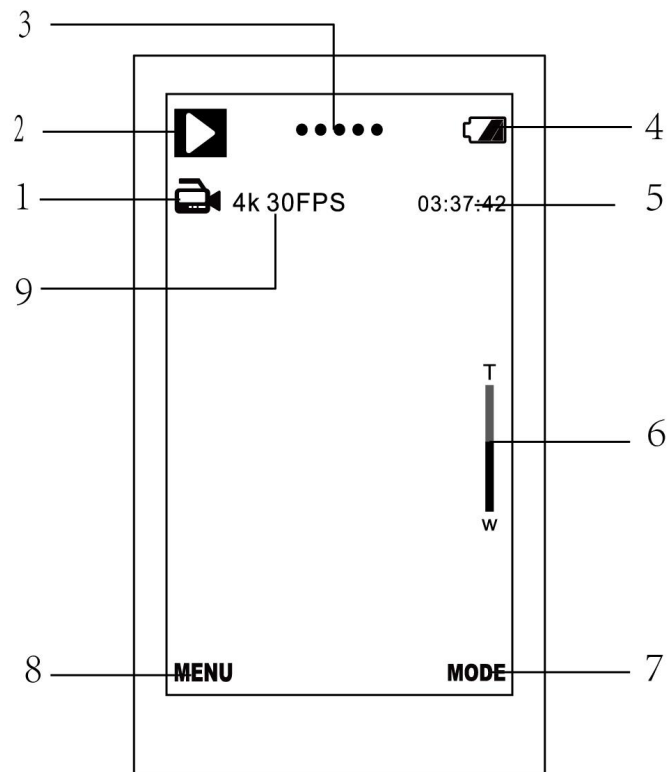
Set whether to display time and date watermark on photos .

4 Video recording modes

Used to shoot videos and use special recording functions such as slow motion, time-lapse, etc. You can also set various parameters .

After booting up , the camera enters the photo mode by default. Click the “MODE” icon in the lower left corner to switch to the video mode. The screen displays as follows:

1 Video recording mode	2 Playback	3 Quick Menu Icons	4 Battery Status
5 Remaining video time	6 Magnification	7 Mode switch	8 Menu
9 Video Resolution			



4.1 Recording video

In video recording mode, hold the camera steady and adjust the direction, press [Photo/REC] to start recording. A red icon will flash on the screen. Press [Photo/REC] again to stop recording.

4.2 Video resolution

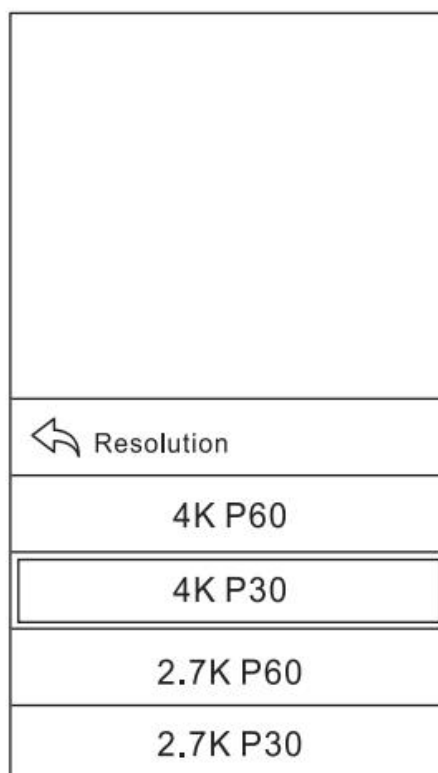
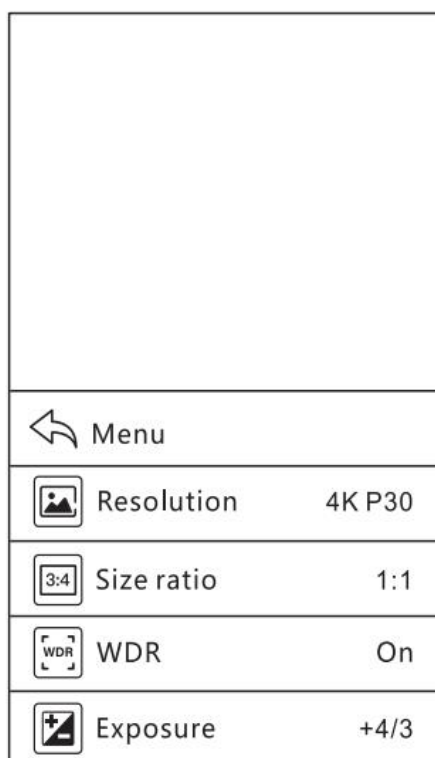
Set the video resolution . The higher the resolution, the larger the file size and the more storage space it takes up.

4.2.1 In video mode, click [MENU] to pop up the menu . Click “ Resolution ” to enter the sub-menu .

4.2.2 Slide the options up /down , click a resolution , save automatically and return .

4.2.3 If you do not want to continue operating the menu, click ↩ to exit .

(The following operations are the same. After completing all settings, click ↩ to return to the video recording mode)



4.3 Size ratio

Set the aspect ratio of the video.

4.4 Wide dynamic range (WDR)

Turn WDR on or off . When WDR is on, you can record clearer videos in places with strong contrast between light and dark .

4.5 Exposure

Adjust the exposure of the video . The larger the EV value, the brighter the video , and vice versa .

4.6 Record audio

Turn on or off the sound during recording.

4.7 Date Stamp

Set whether to display time and date watermark on the video .

4.8 Time-lapse video

Time-lapse video is a technique that compresses time, compressing a process of several hours or longer into a shorter video . It is mainly suitable for shooting slowly changing scenes, such as the process of flowers blooming.

Select a number, such as “ 5 seconds” to start time-lapse recording , press[Photo/REC], and the camera will record at a speed of 1 frame every 5 seconds .

Notice:

Turning on time-lapse recording , other modes may become abnormal.

4.9 Metering

Set the camera's metering mode.

5 Playback mode

In playback mode, you can view saved photos and videos, and also perform operations such as deletion and protection .

5.1 View files

5.1.1 Touch the upper left corner of the screen  to enter playback mode, slide up/down to turn pages, and click the the selected video or photo .

5.1.2 Select a video file and click  Play. During playback, click  to stop,  rewind,  pause, or  fast forward.

5.2 Deleting files

Deletes one or more files.

5.2.1 In playback mode, click [MENU] to pop up the menu. Click “Delete” to pop up a dialog box.

5.2.2 Click to delete current/delete all. Click: Cancel/Confirm.

5.2.3 Click Confirm to execute and return.

Notice:

Once deleted, files cannot be restored, so please operate with caution.

Locked files will not be deleted , but formatting will delete all (including locked) files!

5.3 Protect (lock or unlock)

Lock the file to prevent it from being accidentally deleted. Unlock the file .

5.3.1 In playback mode, click [MENU] to pop up the menu .

5.3.2 Click “ Protect ” to pop up a dialog box: Lock current/Unlock current / Lock all/Unlock all. Click Execute and return .

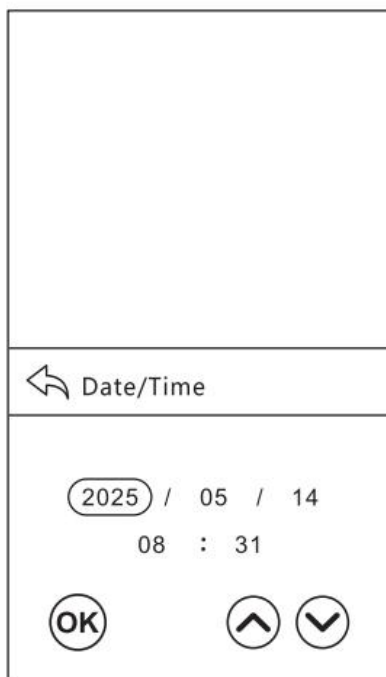
Notice:

Lock current: lock the current video or photo. Unlock current: unlock the current video or photo.

6 System settings

Set the camera's system parameters, such as date and time, language, key sounds, etc.

In video or photo mode, click [MENU] to pop up the menu, slide the menu, and click “Setup” to enter the system menu .



6.1 Date & Time

Set the system date and time.

6.1.1 In the system settings menu, swipe up/down and tap “Date / Time” to enter the submenu .

6.1.2 Click a value, click   to adjust the number , click [OK] to save and return.

The following functions operate in the same way.

6.2 WiFi

Turn WiFi on/off .

6.3 Focus mode

Select the focus mode: Auto/Manual.

When you select the “Manual” mode, you need to manually tap the screen to determine the focus position, and you can take a photo only after completion.

6.4 Auto Power Off

Turn on the automatic power off function . If the camera is not used for a certain period of time, it will automatically shut down to save power.

6.5 Beep sound

Turn camera operation sounds on and off.

6.6 Language

Select the system language.

6.7 Frequency

Set the camera's light source frequency to avoid flickering under light. Please refer to local power standards.

6.8 Format

Format the memory card to clear all data in the card.

Notice:

Formatting will delete all files and cannot be restored. Please remember to back up and use with caution.

Please keep sufficient power during formatting and do not cut off the power.

6.9 Default Reset

If the camera does not work properly due to incorrect settings, use this function to restore the camera to default settings.

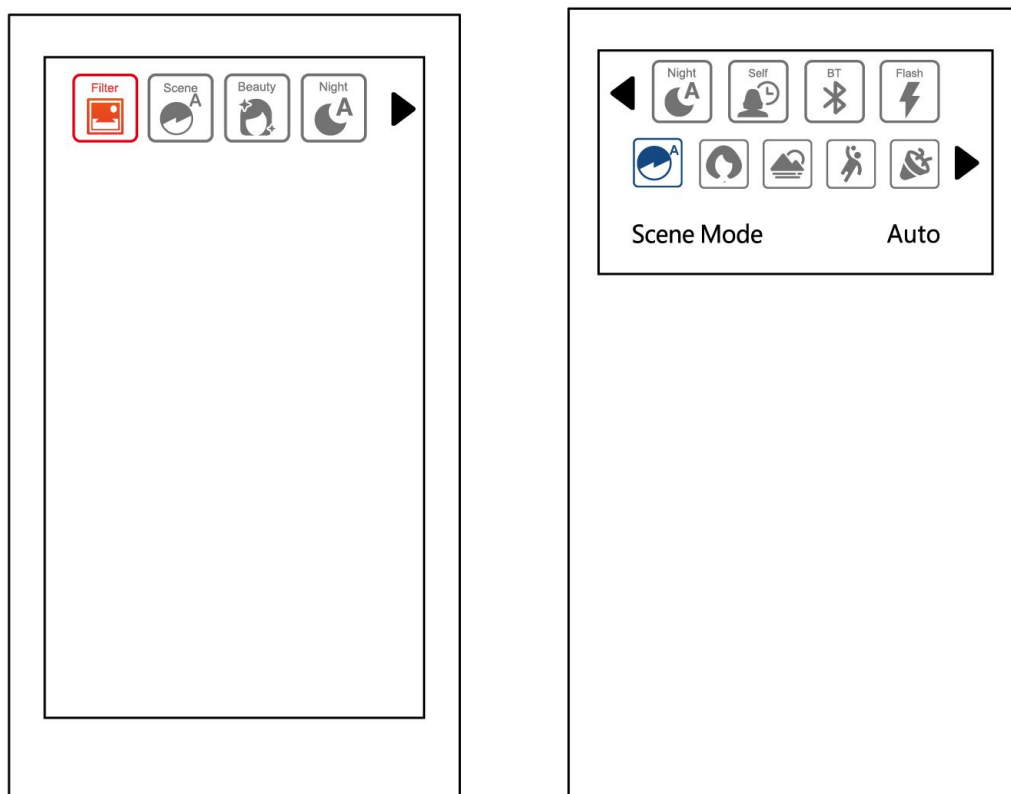
6.10 Version

Check your camera's firmware version number .

7 Quick guide

For quick operation, the camera has a built-in quick menu, which allows you to quickly use Bluetooth, Selfie, scene, color and other quick functions.

In photo or video mode, tap the 5 small dots at the top of the screen to pop up the shortcut menu. Swipe left or right to select a menu. Select a menu and tap to operate.



7.1 Filter

The camera has built-in multiple filter effects to help you capture special color effects.

7.2 Scene Mode

The camera has multiple built-in scene modes to suit different shooting scenes and objects .

7.3 Beauty

Beautify the image of the characters and make the photos more beautiful . The higher the level, the stronger the beauty effect.

7.4 Night scene

Night mode is suitable for use at night or in dimly lit environments .

7.5 Self Timer

Set the waiting time for self-timer. Select a self-timer time and press [Photo/REC] , the camera will start self-timer.

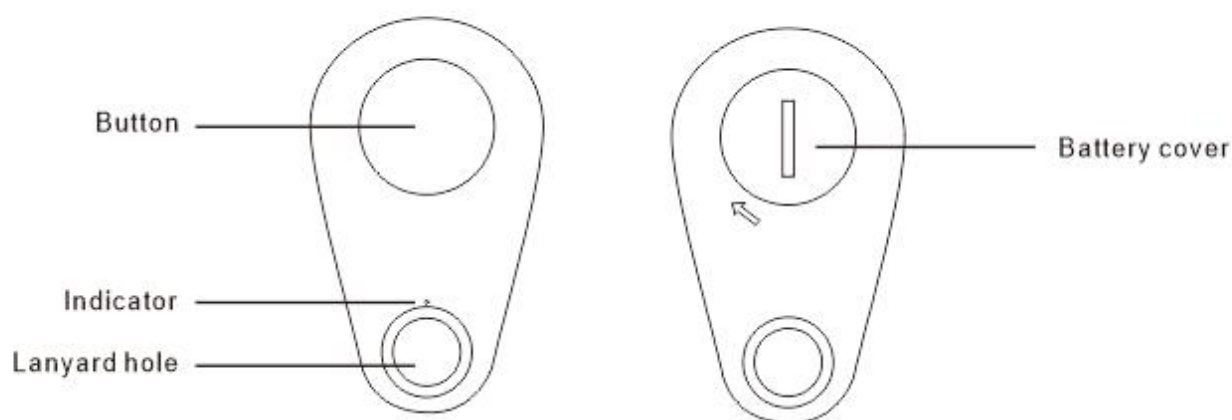
7.6 Bluetooth

Turn Bluetooth on or off. After turning on Bluetooth, you can connect the remote control to use the camera.

7.6.1 After turning on Bluetooth, the screen displays a gray Bluetooth icon.

7.6.2 Press and hold the remote control button until the indicator light flashes and wait for the camera to automatically connect. After the connection is successful, the camera's Bluetooth icon turns blue and the remote control indicator light turns off.

7.6.3 Short press the remote control to operate the camera to take photos or record videos. The Bluetooth remote control is effective within 8 meters.



Notice:

Children are prohibited from using or playing with the remote control as this may result in personal injury!

The remote control contains batteries, do not swallow or throw into fire!

7.7 Flash Mode

The camera has a built-in cool and warm dual-color flash that can compensate for light in darker environments and help you take beautiful photos or videos .

Note: The flash cannot be used when the battery is low.

8 Connect to WiFi and use the app

The camera can be connected to the mobile phone via WiFi and operated on the APP.

Use your mobile phone to scan the following QR code or search for “ Lercenker ” in the App Store, download the APP

and install it on your phone.



Android & IOS QR Code

8.1 Press and hold [LED/WiFi] to turn on the camera WiFi. The blue indicator light flashes and the screen displays: SSID: M8-xxxxxxx, Password: 12345678.

8.2 Turn on WiFi on your phone and search for WiFi devices. Find the camera name in the device list: M8-xxxxxxx, click it and complete the connection.

8.3 Enter the device password “12345678” on the phone, wait for the connection, and return to the Lercenker homepage after completion. At this time, you can operate the camera in the APP .

8.4 After use, long press [LED/WiFi] to turn off WiFi.

Notice:

The camera WiFi only supports point-to-point connection and cannot access the Internet.

The operating methods of Android and IOS systems may be different, please refer to the system habits.

When the camera is low on power, the WiFi may not turn on. After the camera WiFi is turned on, if it is not connected to a mobile phone within a certain period of time, it will automatically turn off.

9 Appendix

9.1 Technical specifications

Image sensor	CMOS sensor, up to 64 MP
Storage media	Memory card , up to 256 GB
Light sensitivity	Auto, ISO100, ISO200, ISO400, ISO800, ISO1600, ISO3200
Lenses	AF lens, F=1.8 f=4.0, FOV: 80° Focus range: 10CM ~∞
Photo	JPG, 64MP/56MP/48MP/36MP/24MP/20MP/16MP/12MP/10MP/8MP/5MP
Video	Format: MP4, H.264 Resolution : 4K / 60fps , 4K / 30fps , 2.7K / 60fps , 2.7K / 30fps , 1080P / 60fps , 1080P / 30fps , 720P / 60fps , 720P / 30fps
Zoom	16X digital zoom
LED fill light	Built-in, dual-color LED fill light
White balance	Auto/ Daylight /Cloudy/ Tungsten / Fluorescent
Exposure compensation	-2.0EV ~ + 2.0EV

Computer interface	USB TYPE C
LCD screen	3.5-inch IPS high-definition touch screen
Microphone	built-in
Speaker	built-in
WiFi	Support (point-to-point mobile phone interconnection)
Battery	Built-in lithium battery , 1500mAh
Working power	5V / 1.5A
Language	Simplified Chinese/Traditional Chinese/English/Japanese/German/Hebrew/Italian/Spanish/Portuguese/ Russian
Size	134 (length) × 66 (width) × 15 (height) mm
Weight	About 167 ±5g

9.2 Common faults and solutions

Problem	Possible causes	Solution
Unable to turn on	Camera battery is low	Charging the Camera
Sudden black screen	Power saving function is enabled or the battery is low	Restart the device to charge the battery
Unable to record or take photos	Memory card is not formatted	Formatting a memory card
	Memory card speed is too low	Replace the memory card with U3 or above
	Memory card write protection	Unlock memory card write protection
Abnormal video recording	Time-lapse or slow motion video is turned on	Disable this function and switch to normal mode
Unclear photo taking	The lens is dirty	Use a special soft cloth to clean the lens and keep it clean
Memory card error message	The memory card is incorrectly formatted or damaged	Replace the memory card with a qualified one , or format the memory card.
Crash at work	Memory card failure	Replace the memory card with a qualified one
Color mismatch	Special effects turned on	Turn off special effects
	Wrong parameters such as white balance/special effects/exposure	Set the parameters correctly. If you are not familiar with them , please restore the factory settings.
Connection computer abnormality	Wrong connection or damaged USB cable	Reconnect or replace the USB cable
Computer playback freezes	Low computer configuration	Use a higher spec computer Copy the file to the computer for playback
WiFi is out of range	The environment may have electromagnetic interference	Use in places with low electromagnetic interference
WiFi is intermittent	The environment may have electromagnetic interference	Use in places with low electromagnetic interference
Video playback in APP is stuck	The video file is too large and the buffering time is long	Download the video to the local album and play it

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FCC Caution:

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.

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