



KANDAO VKD11 QooCam 3D Digital Camera User Manual

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Using This Manual

Read before First Use

Following documents are provided for QooCam EGO' s users:

1. User Manual
2. The Quick Start Guide



It is recommended to read The Quick Start Guide and User Manual before using for the first time.
Official website: <https://kandaovr.com/quickstart/qoocamego/>

Download the QooCam App

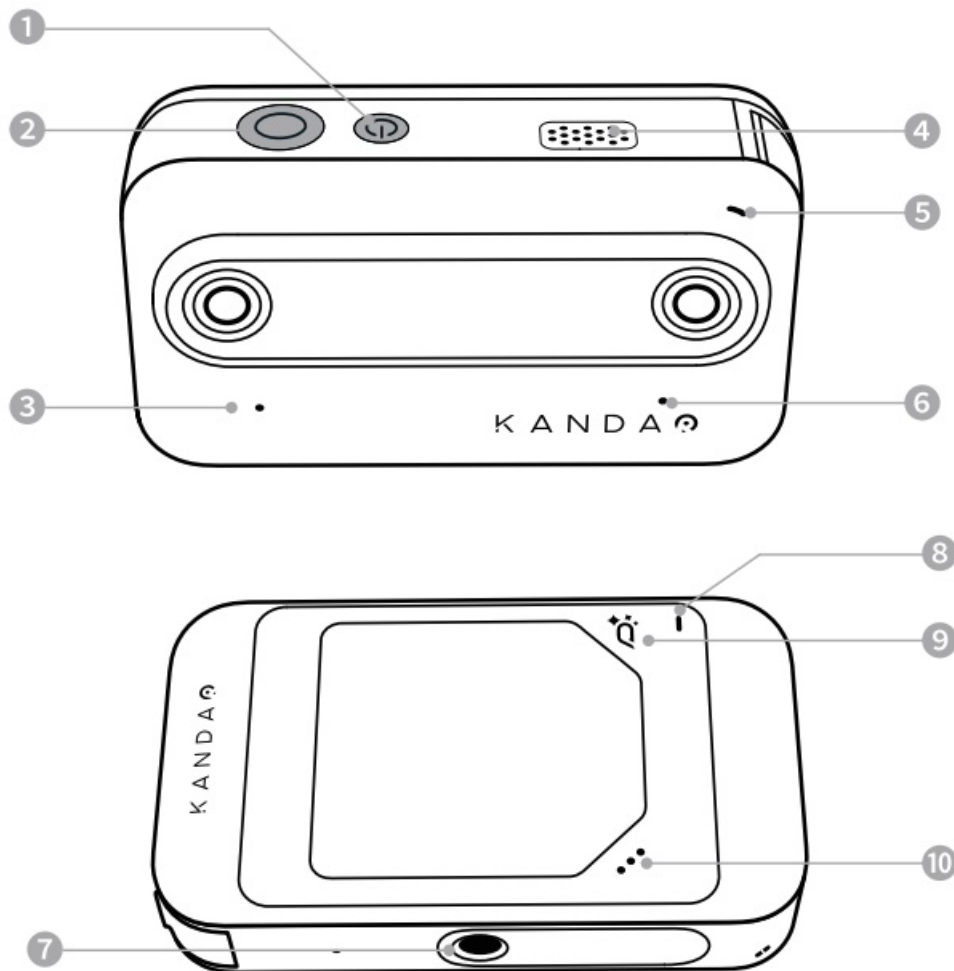
To use this product, you will need to download and install the Qoocam App.
Please search for “Qoocam” in your App Store or scan the QR code to install.



QooCam App

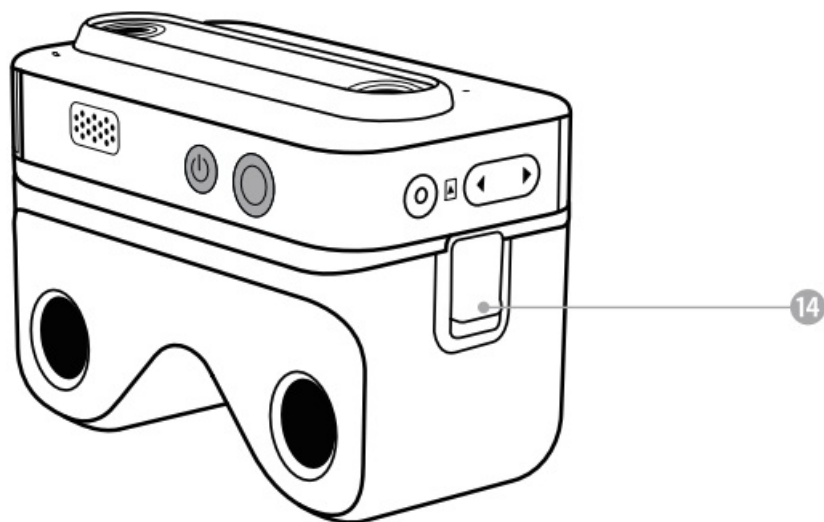
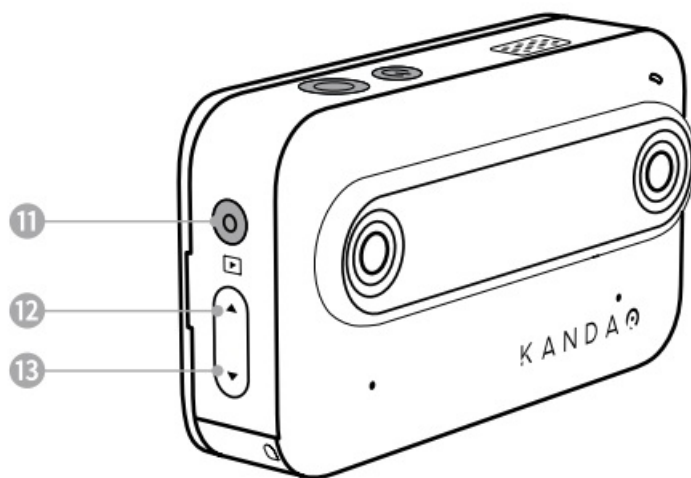
Product Profile

Get to Know the Camera



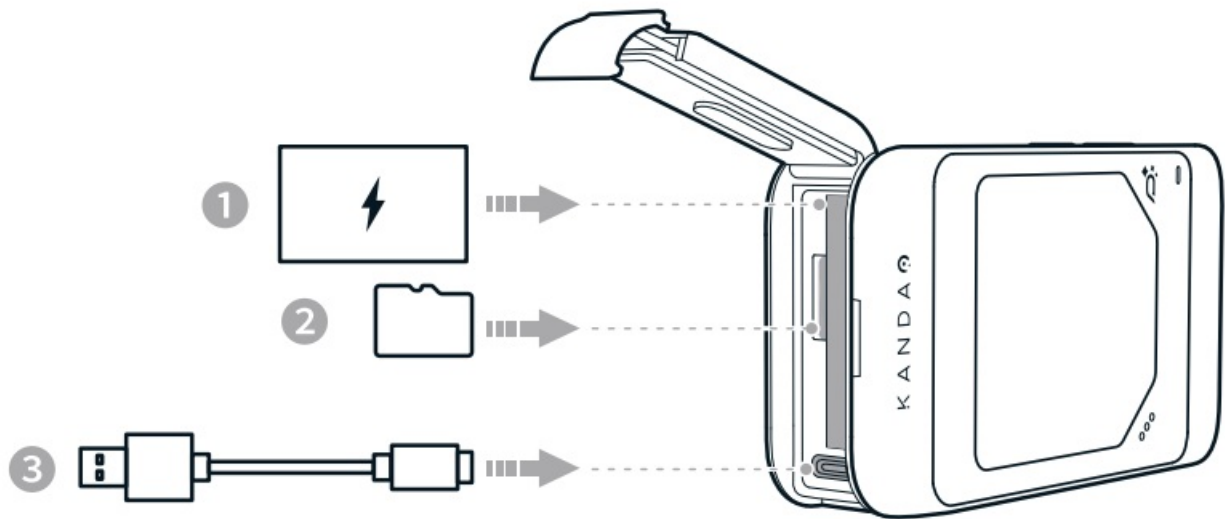
1. Power Button
2. Shutter Button
3. Microphone (Right)
4. speaker
5. Status Indicator LED

- 6. Microphone (Left)
- 7. 1/4 Screw Hole
- 8. status Indicator LED II
- 9. customize Settings
- 10. Menu



- 11. Playback/OK Button
- 12. Previous File/ Rewind
- 13. Next File/ Fast Forward
- 14. Lock Clip

Slots and Connection Port



1. Battery Slot: For battery placement.

Note: When inserting the battery, make sure the arrow on the sticker is facing the SD card slot.

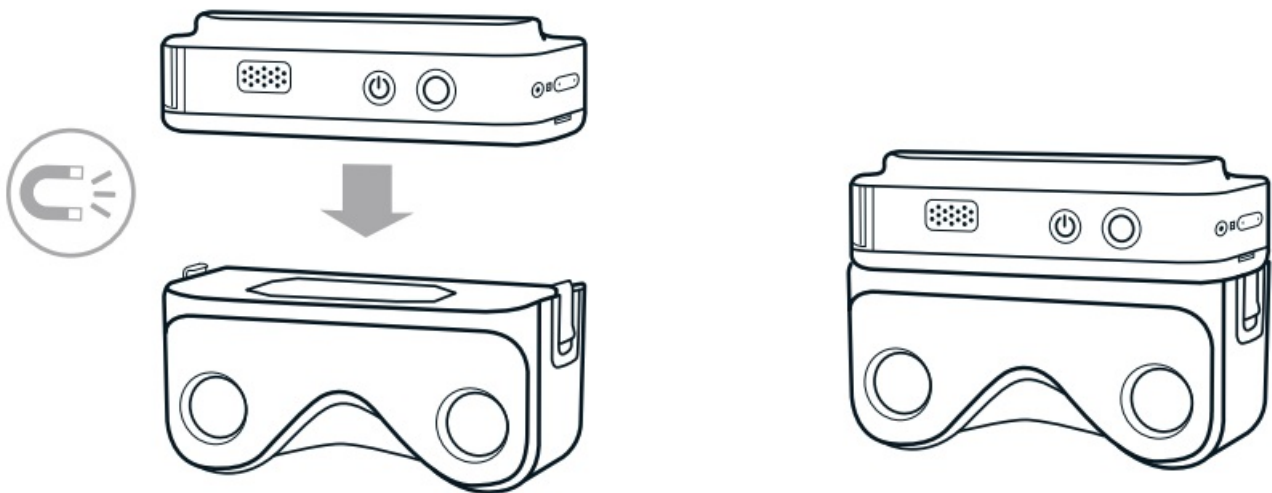
Press down the battery after inserting to let it embed with the PIN of the camera.

2. Micro SD Card Slot: For micro SD card placement.

3. Type-C Port: Plug in the power cable to charge your QooCam EGO.

Accessories

Magnetic viewer and lock clips



Magnetic selfie mirror



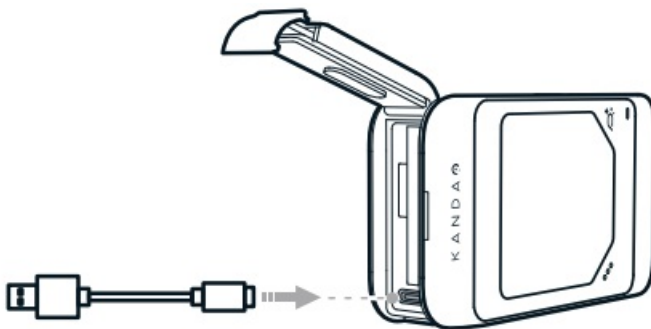
Warnings

1. QooCam EGO contains magnets. Keep the camera away from magcards, IC cards, implantable medical devices (such as pacemakers), hard disks, RAM chips and other devices to avoid interference.
2. The integrated viewer is not waterproof. Please prevent it from liquids.
3. Do not facing strong light when taking off or wearing the viewer for avoiding damage to eyes.
4. Do not cover the microphone when recording videos to avoid affecting the voice pickup quality.

Preparation before Use

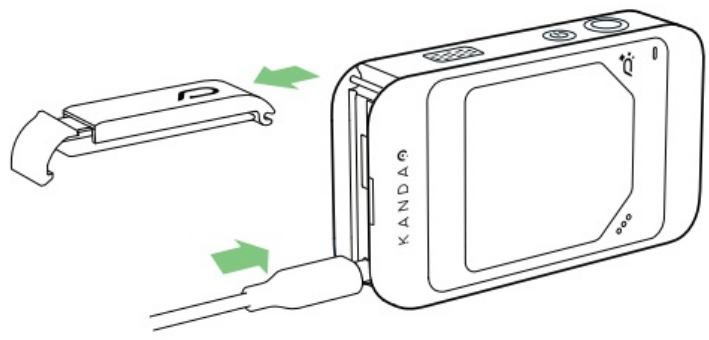
Charging QooCam EGO

Connect a USB adapter (not included) to the USB-C port using the power cable (included).



1. When the battery level is lower than 5%, QooCam EGO will automatically shut down, stop video recording and save the file.
2. It takes 90 minutes for fully charging with a 5V/2.1A adapter under laboratory environment.
3. Charge QooCam EGO when the battery level is low. Storing QooCam EGO more than four month with low battery will reduce the battery life. Charge and discharge the battery of QooCam EGO to 40%-60% if it will not be used for 10 days or more.

The battery door can be removed when charging

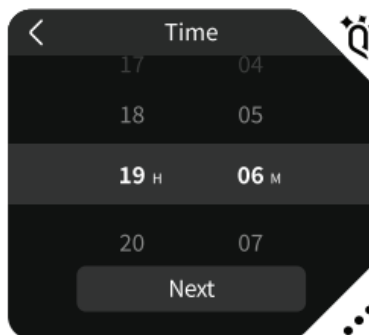
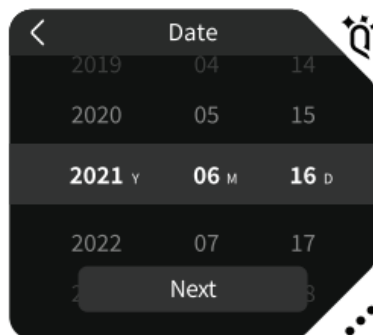


Setup before First Use

1. Select the system language when starting up.



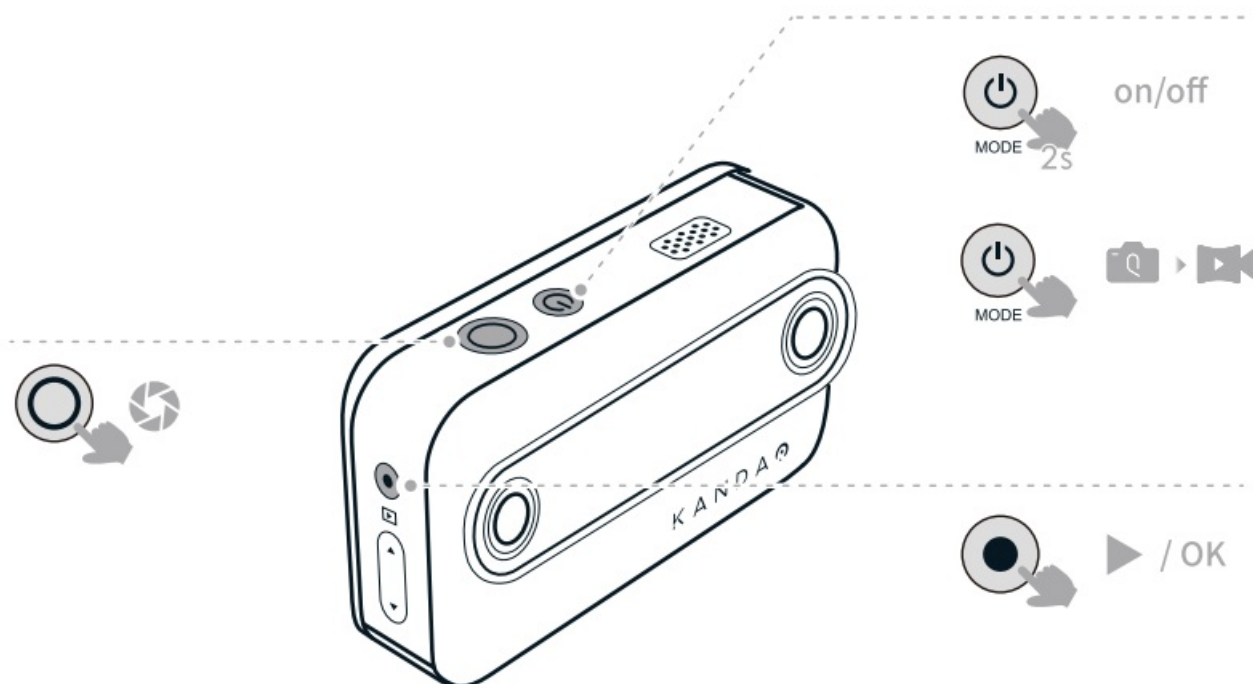
2. Adjust date, time and select your time zone.



3. Scan the QR code to download the QooCam App. (This step can be skipped.)



Buttons Instruction



Power Button

A. Short Press: Switch shooting modes. (Photo/Video)

B. Long Press: Long press for 2s to power off.



Record Button

A. Short Press: Start/stop recording. Short press in setting and playback page to return to the shooting page.



Playback Button

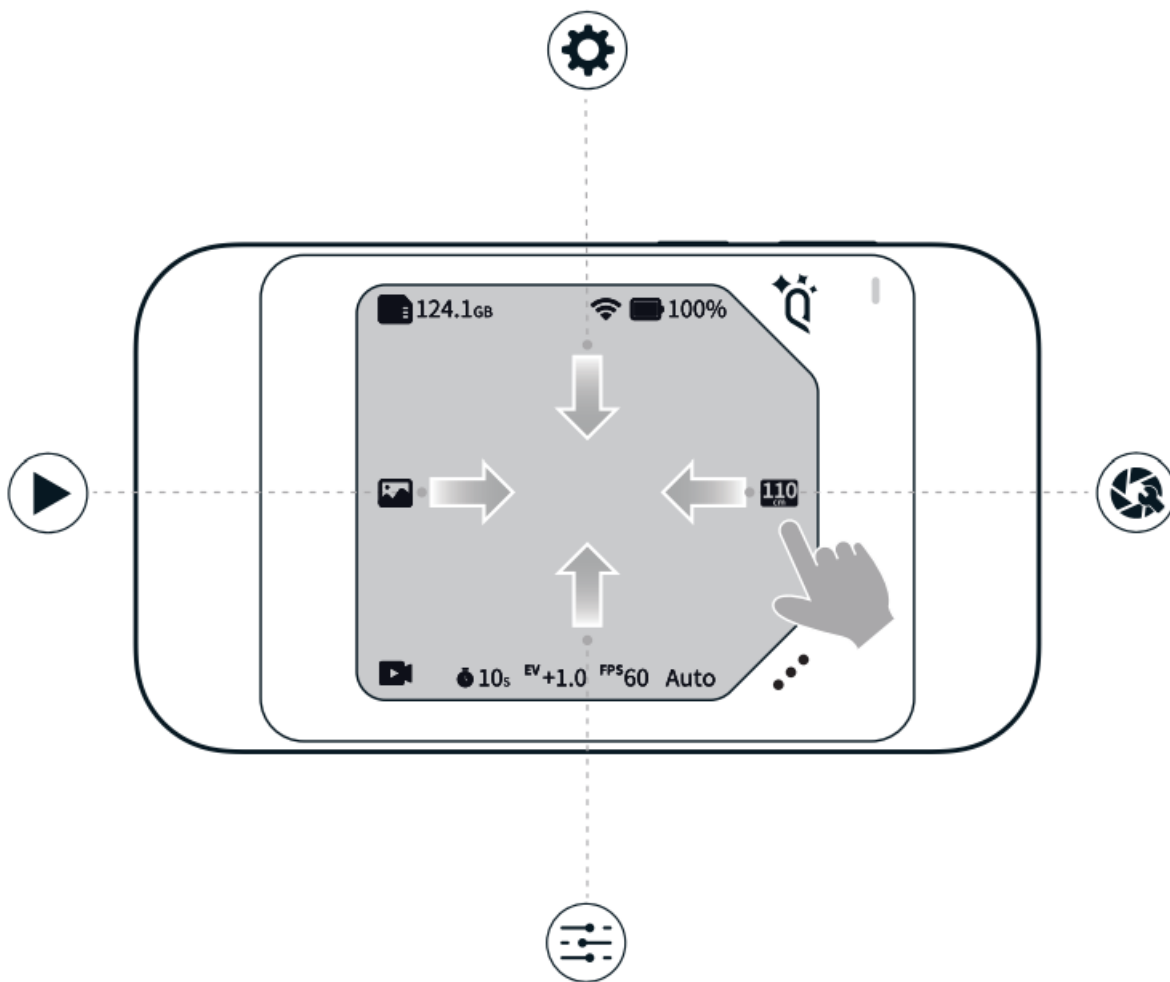
A. Short Press: Short press to view photos/videos.

Note: On rare occasions, QooCam EGO may freeze. You can long-press the power button for 6s to force shutdown

Screen Operation Instructions

Preview

After power on, the touch screen displays the camera's shooting interface, and the menu bar shows the shooting mode, battery level and storage capacity. Functional operation can be achieved by swiping or tapping the touch screen.



1. Swipe Right



Swipe right on the main page to enter playback album.

2. Swipe Left



Focus Distance

3. Swipe Down

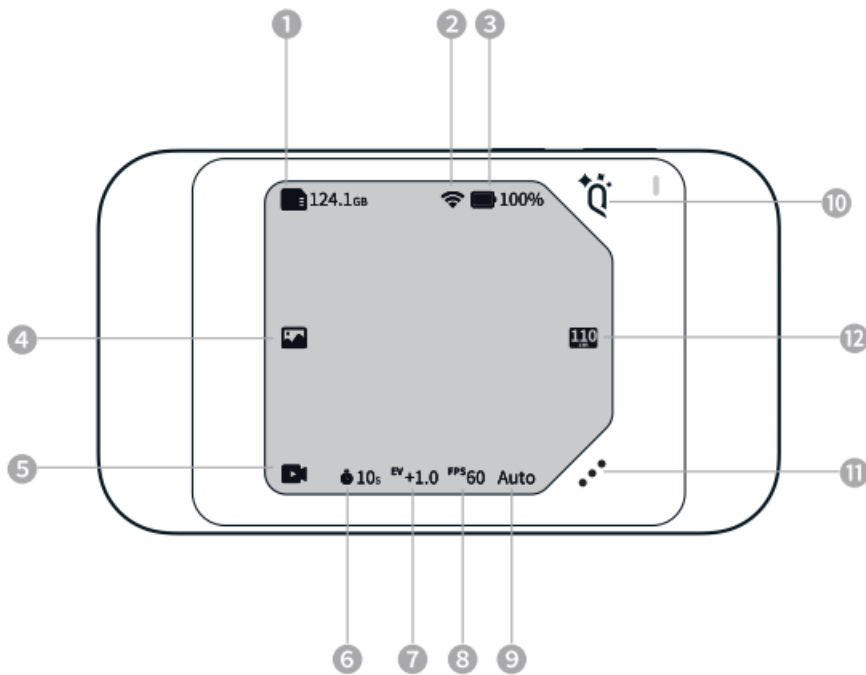



Swipe down to call out more settings.


4. Swipe Up




Swipe up to set up parameters.



1. Storage capacity :  **124.1 GB** The remaining storage space will be displayed after inserting the micro SD card .

2. Wi-Fi :  Display Wi-Fi connection status.

3. Battery Level :  **100%** Display the battery level and the charging status.

4. Playback:  View photos


5. Current Shooting Mode:  Photos and Videos


6. Timer:  **10s**


7. Exposure Value : **EV+1.0**

8. FPS: **FPS60**

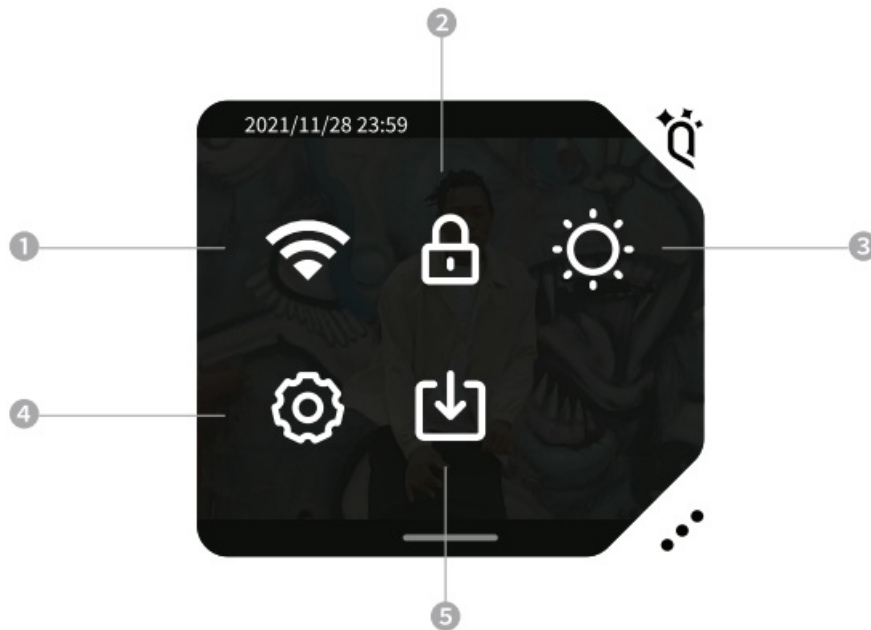
9. Shutter Mode: **Auto**

10. Customized Icon 

11.  Tap to adjust parameters and others.

12. Focus Distance:  **110 cm**

Drop-Down Menu



1. Wi-Fi toggle

Turn on or turn off the WiFi.

2. System volume adjustment

Tap the icon to adjust system volume.

3. System brightness adjustment

Tap the icon to adjust the brightness.

4. Camera Settings

1) Current account: Account can be registered in QooCam App. You can log in the registered account on the camera's setting page to share your creative works with other EGO users.

2) Hotspot: Smartphones can be connected to the QooCam EGO hotspot for remote shooting, viewing photos and videos, and settings.

3) Wi-Fi: Tap to search and connect Wi-Fi.

4) Low Power Mode: Turn on low power mode to extend the battery life

5) Screen Timeout: Set or adjust the screen timeout for your QooCam EGO.

6) Auto power off: Tap to set the time that the camera will automatically power off.

7) Recording Temperature: Tap to set the recording temperature limitation. Two options are provided, "standard" and "boost".

8) Customized Icon: Customize the "Q" icon function

9) System Volume Adjustment: Tap the icon to adjust the system volume

10) Gridlines: Grid lines toggle. Grid lines will be showed in preview if it is turned on.

11) Anti-flicker: Tap to set the anti-flicker frequency according to the local electrical network frequency. The default setting is "auto". (If you choose sport mode, the slowest shutter speed will be limited to 1/100s for 50Hz, and 1/120s for 60Hz.)

12) Date / Time: Tap to set date, time, and time zone.

13) Language: Tap to set the system language to English, Simplified Chinese, Traditional Chinese or

Japanese.

14) Storage: Tap to check the capacity of the microSD card or format the microSD card.

15) Factory reset: Tap to reset default settings.

16) About the camera: View camera information



5. **Accept sharing**

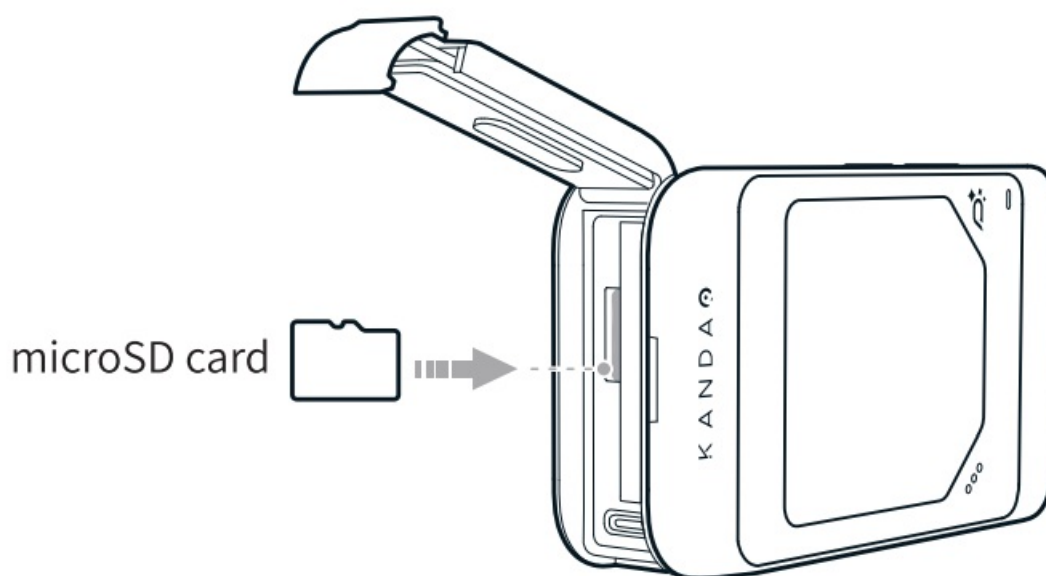
Tap to enter the accept-sharing entrance. You can download the shared contents by inputting the shared PIN code.

Storing Videos and Photos

Videos and photos will be stored into the inserted microSD card after shooting.

Maximum supported capacity of microSD card is 256GB. UHS Speed Class 3 is recommended.

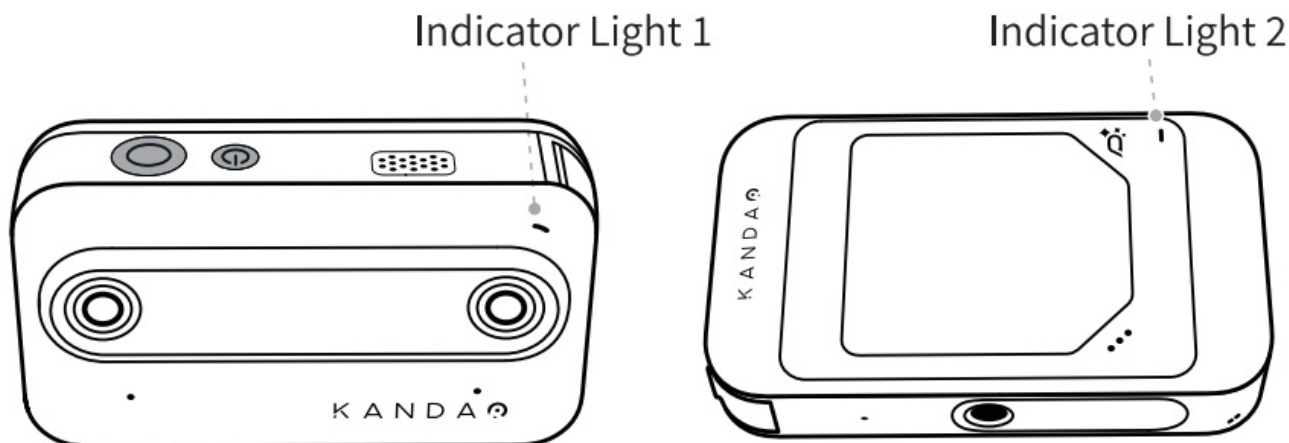
Insert the MicroSD card into the SD card slot as shown.



Cautions:

1. Ensure the microSD card has a clean surface.
2. Read the user manual before use to understand the practicable temperature range and other important messages.
3. The performance of microSD card may become worse after long-term using. Please change the card if it do not store well.
4. Do not touch the microSD card or its slot when recording to avoid causing storage error.
5. QooCam EGO only supports the exFAT file system. FAT32 is not supported.

Indicator Light



Power OFF:

Charging: Solid red light Charge Complete (100%) : Indicator light off

Power ON :

Battery lower than 20%: Slow flashing red light

Camera Status:

Ready for shooting (with microSD card): Solid green light Ready for shooting (without microSD card): Indicator light off

Countdown shooting (10s-2s): Slow flashing blue light

Countdown shooting (2s-0s): Flashing blue light

Taking photo: Blue light slowly flashes for once

Recording video: Slow flashing blue light

Powering off: Red light quickly flashes for three times Storage:

No Micro SD card/Storage full when shooting: Quickly flashing for three times when pressing the shutter button update:

Updating: Red and blue lights alternatively slow flashing

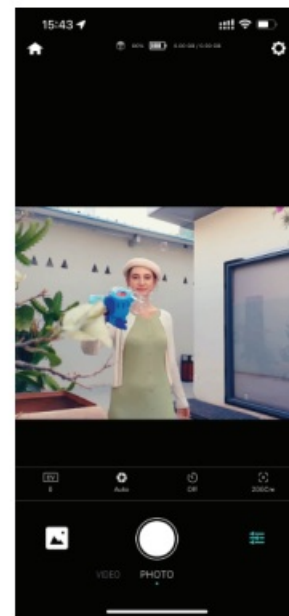
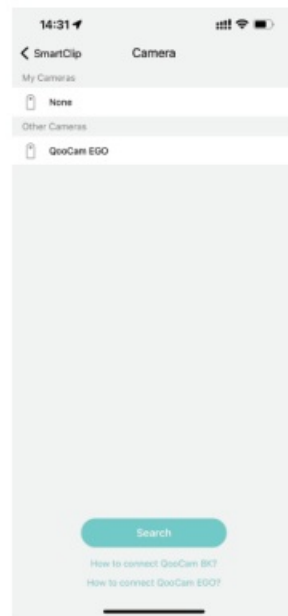
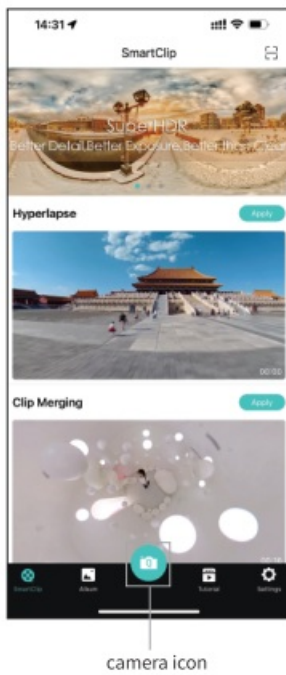
Update failure: Quick flashing red light Error:

System error/other error: Quick flashing red light

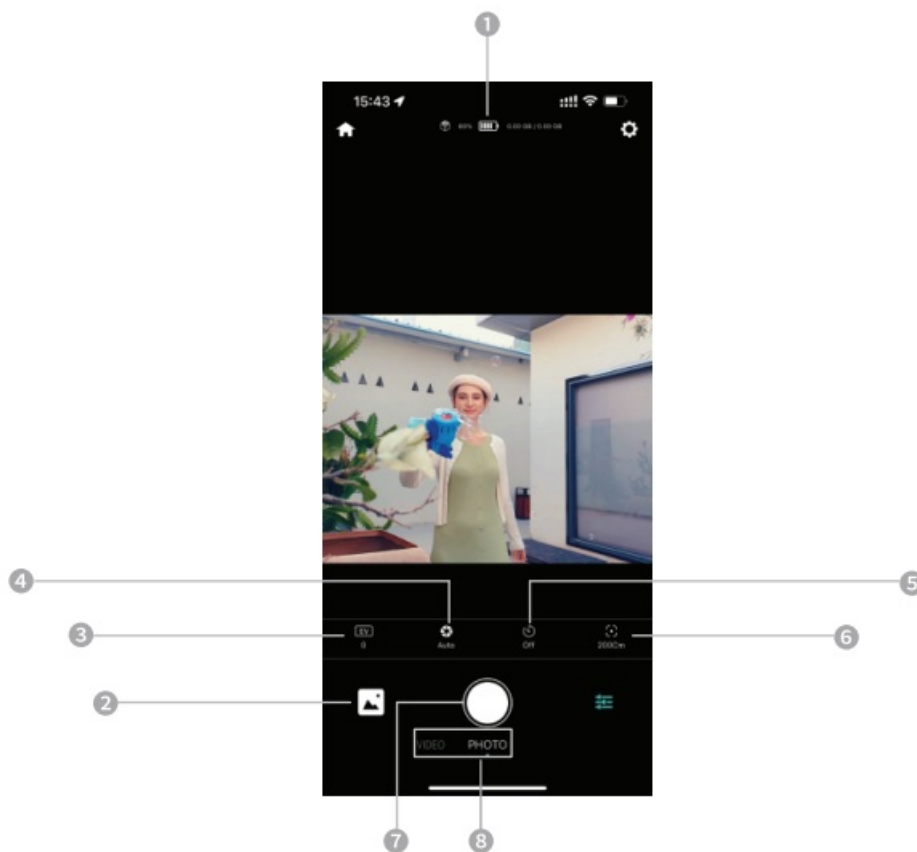
QooCamAPP

Connect the QooCam App with the Camera

Tap the camera icon on the home page of your QooCam App to connect to your QooCam EGO. and follow the instructions to operate .



Camera View



1. Status bar on top: Displays the battery level and the capacity of the microSD card.
2. Album :Tap to view photos and videos.
3. Tap to adjust exposure.
4. **Modes:** auto mode / sport mode (* Sport mode limits the slowest shutter speed to guarantee the clear recording of moving objects. Anti-flicker will not work when shutter speed in 1/250s.)
5. Tap to adjust timer.

6. Tap to select the focus distance.
7. Shutter button
8. Shooting modes switching

File Transfer to a Phone



Firmware Update

1. Update via microSD card

Firmware can be downloaded from www.kandaovr.com/download when new firmware is available. Download the firmware to a microSD card and insert it to the QooCam EGO. Follow prompts to update after powering on the camera.

2. Update through the QooCam APP

A prompt will appear when new firmware is available. Follow the instructions to update.

Cautions:

1. Make sure the battery level higher than 20% before firmware updating.
2. Disturbing the SD card could interrupt or stop the recording.

Maintenance

Cleaning Notes

1. Keep the lens glass clean. Sand and dust may damage the lens glass. Please clean QooCam EGO with the cleaning cloth we provided in its package.
2. Keep QooCam EGO away from sand and dust.

3. Do not remove or use sharp objects to destroy the voice-pickup hole and speaker hole.

Battery Information

Here are some things you can do to maximize battery life:

1. Record video at lower frame rates and resolutions.
2. Enable auto power off.
3. Charge QooCam EGO when the battery level is low. Storing QooCam EGO more than four month with low battery will reduce the battery life. Charge and discharge the battery of QooCam EGO to 40%-60% if it will not be used for 10 days or more.
4. QooCam EGO can be charged with external USB power supply during shooting. Note: Even though your camera is charging, the battery will not charge during recording.

Battery Maintenance

Extreme temperatures may temporarily shorten battery life or cause your camera to temporarily stop working properly. Avoid dramatic temperature or humidity changes as condensation may form on or within the camera. Do not dry your camera with an external heat source such as a microwave oven or a hair dryer. Damage to the camera or battery caused by contact with liquid inside the camera is not covered under the warranty. Do not store your battery with metal objects like coins, keys, or necklaces. If the battery terminals come in contact with metal objects, this may cause a fire.

Note: Batteries have reduced capacity in cold weather. This affects older batteries even more. If you regularly shoot at low temperatures, replace batteries yearly for optimal performance.

WARNING: Do not drop, disassemble, open, crush, bend, deform, puncture, shred, microwave, incinerate, or paint your camera or battery. Do not insert foreign objects into any opening on the camera, such as the USB-C port. Do not use your camera if it's been damaged-for example, if cracked, punctured, or harmed by water. Disassembling or puncturing the integrated battery can cause an explosion or fire.

Battery Disposal

Most rechargeable lithium-ion batteries are classified as non-hazardous waste and are safe for disposal in the normal municipal waste stream. To safely dispose of lithium-ion batteries, protect terminals from exposure to other metal with packing, masking, or electrical tape so they do not cause a fire while being transported.

Statement

1. Please read all the instructions.
2. Please be caution to all the warnings.
3. Please follow all the instructions.
4. Do not use your camera near heat sources such as radiators, electric heaters, stoves, or other heating equipment.
5. Only use accessories and parts specified or supplied by Kandao.
6. All maintenance should be conducted by the qualified personnel. Repairs are required in case of any types of damage to the device, for example, power cord or plug damage, liquid or object falling into the device, or getting wet in the rain or dampness, or failure to work or falling.

Camera Security

Warning: If you fail to take the following precautions, you may be injured or killed by the electric shock or fire disaster, or your QooCam EGO may be damaged. Please check before using the camera and accessories to make sure they are intact. For security, only QooCam accessories that are provided with the device or genuine ones purchased can be used. Using any other parts, accessories, or chargers not recommended by Kandao may result in fire, electric shock, or casualties. Damage caused by the use of unauthorized accessories or parts is not covered by the warranty.

To learn about approved accessories, please visit the Kandao website: www.kandaovr.com

1. Do not place or fix this product onto an unstable surface. Failure to observe this precaution can result in the product loosening or falling off, thus causing an accident or damaging the camera.
2. If you use an external power connection, please follow all safety guidelines for third-party powered devices.
3. The camera lens is made of glass. If the lens is damaged, please be careful to avoid scratching by broken glass. Keep it away from children.
4. The camera temperature may rise during operation, which is a normal phenomenon. If the temperature is too high, power off the camera to cool it down before using.
5. This product is not a toy and you are solely responsible for complying with all local laws, regulations and restrictions.
6. Do not use the camera for unauthorized monitoring, sneak shot, or in any way that violates personal privacy regulations. This should be strictly prohibited. The operator may have to assume major responsibilities and suffer from criminal lawsuits.
7. **Note:** Do not place the camera in extremely cold or hot conditions that may cause the camera to fail temporarily.
8. **Warning:** The lenses of the camera do not have any protection, which it is easy to scratch. Avoid placing the lens on any surface, and the lens scratches are not under the warranty.



The symbol indicates that your product should be classified separately from household waste under local laws and regulations. Please leave it to the recycling area specified by local government when end of camera's life. The classification and recycling of product disposal is helpful for natural resources protecting and recycling in a way that is beneficial to human health and environment protection.

Specifications

Basic specifications	
Camera Lens	F1.8
FOV	66°(H)52°(V)/79°(D)
Sensor Size	1/2 Inch
Viewer PPD (Angular Resolution)	37
Video Resolution (Single-Lens)	1920*1080@60fps
Video Resolution (Stereo)	Side by side3840*1080@60fps
Photo Resolution (Monocular)	4000*3000

Photo Resolution (Binocular)	Left and right arrangement 8000*3000
Video Format	MP4
Photo Format	JPG, • DNG (* coming soon)
Audio	AAC (16bit / dual audio tracks/ 48KHz)
Video Encoding Format	H.264
Video Bitrate	Max. 60Mbps
Touch Screen	2.54 inch
Touch Screen Resolution	1440*1600
Touch Screen PPI	847
Taking Photos and Video Recording	
Taking Photos and Video Recording	-2EVto+2EV
Exposure Mode	Automatic exposure
White Balance	Automatic white balance
Product Design	
Color	Camera: black/white Viewer: red
Weight	Camera: 160g Viewer: 114.65g
Size	Camera: 94mm * 52.8mm * 26.8mm Viewer: 97.2mm * 52.8mm * 47.6mm
Storage and Connection	
Wi-Fi	WiFi S
Connection Port	USB-C
MicroSD Card	MicroSD card, up to 256GB support, the U3 card is recommended
Microphone	Two-channel stereo sounds pickup
Battery	
Battery Capacity	1340mAh
Charging Method	Power adapter, USB

After-Sales Information

Visit <https://www.kandaovr.com/after-service/> to learn more about the latest after-sales service policies and warranty policy.



FCC ID:2ATPV-KDEG



018-220149

Use Indoor only



CCAJ22LP17C0T7



Documents / Resources

	<p>KANDAO VKD11 QooCam 3D Digital Camera [pdf] User Manual</p> <p>VKD11 QooCam 3D Digital Camera, VKD11, QooCam 3D Digital Camera, 3D Digital Camera, Digital Camera, Camera</p>
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References

- [User Manual](#)