QooCam **8K**

免責聲明

聲明

機身前後各有一個LED提示燈，支持紅/藍雙色。可在App或相機選單設定燈的開關狀態。

1.請閱讀這些說明；

2.請注意所有警告；

3.請遵循所有說明；

4.切勿在散熱器、電熱器、爐子、或其它產熱設備等熱源附近進行工作；

5.僅使用製造商為QooCam 8K指定和提供的附件與配件；

6.請將所有維修工作交由符合資質的人員處理。不論設備受到何種形式的損壞，例如電源線或插頭損壞，液體漸入或物體落入此設備淋雨或受潮，無法正常工作或墜落，均需進行維修。

產品使用安全

警告：如果你未能採取下列預防措施，則可能會因電擊或火災造成嚴重傷害或死亡，或者造成你的 QooCam 8K 受損，使用攝像機和配件前請進行檢查，確保其完好無損。處於安全原因，QooCam8K 只能使用隨附的或另行購買的正品 QooCam 8K 配件。如使用並非由 Kandao 推薦的任何其它部件、配件或充電器，可能導致火災、觸電或人身傷亡。因使用未授權的附件而造成的損壞不屬於擔保範圍。要了解獲得認證的配件，請進入 Kandao 官網 www.kandaovr.com。

1. 攝像機充電時，切勿用濕手碰觸插頭或充電器。如果您不遵守本警告資訊，則可能發生觸電。

2. 切勿將本產品置於或固定在不穩定的表面上。不遵守此預防措施可能會導致產品鬆開或者脫落，從而引發事故或損壞相機。

3. 如果使用外部電源連接，請遵守協力廠商供電設備的所有安全準則。

4.QooCam 8K 攝像機鏡頭採用玻璃製成。如果鏡頭破壞，請務必小心處理，避免被破碎的玻璃劃傷，切勿讓兒童接觸。

5. 攝像機在運行時溫度會升高，這是正常現象。請注意不要用運行中的攝像機去接觸小孩或其他任何對溫度敏感的物體，以免造成傷害。如果你覺得溫度過高，可關閉攝像機並靜放至冷卻後再使用。

6. 本產品並非玩具，您應全權負責遵守當地的所有法律、法規和限制。

7. 請勿將 QooCam 8K 用於未經授權的監控、偷拍或以侵犯個人隱私法規的任何管道使用。通常情況下，嚴禁將攝像機用於此類用途，並且可能會致使操作者承擔重大責任和面臨刑事訴訟。

8. 注意事項：請勿將攝像機置於極冷或極熱的環境中，極冷或極熱條件可能會縮短電池的使用時間，或者導致相機暫時不能正常工作。

9. 警告：QooCam 8K 的 2 個鏡頭沒有任何保護，如果不注意則很容易形成劃痕。始終將 QooCam 8K 存放在隨附的鏡頭保護蓋中，避免將鏡頭放置在任何表面上，鏡頭劃痕不在保修範圍內

What's Included
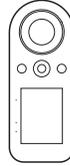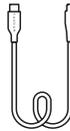

Camera
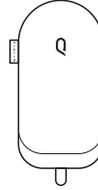
Protective pouch
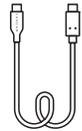

Hand strap

Protective case

User guide

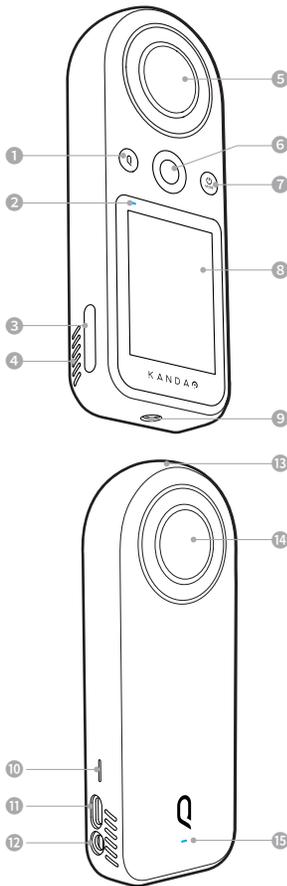Warranty card

USB-C To MICRO USB

USB-C To USB-A

USB-C To USB-C

Overview

1. Q button
2. Status IndicatorII
3. microSD card slot
4. Vents
5. Lens II
6. Shutter button
7. Power button
8. Touch screen
9. 1/4Threaded hole
10. Speaker
11. USB-C connector
12. 3.5mm Audio port
13. Mic
14. Lens I
15. Status Indicator I

Button Features
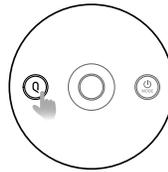
Q Button
When QooCam 8K is idle while powered on, press the button to quickly switch between custom settings.
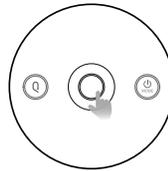
Shutter Button
• When QooCam 8K is powered on, press the shutter button to take photos or start or stop recording.
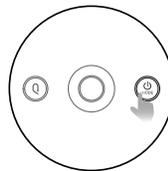
Power Button
• When QooCam 8K is powered off, press and hold the power button for 2s to power on;
• When QooCam 8K is powered on, press and hold the power button for 2s to power off;
• When QooCam 8K is idle while powered on, short press the power button to quickly switch between different shooting modes and custom settings. The menu will appear and tap an icon to select.

Touch screen
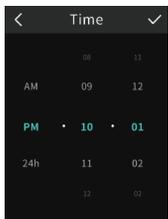
General Setting: Date/Time

The camera date and time information is recorded on the file along with the image, so be sure to set it correctly before use.

<	Lanuage	✓
English		●
中文简体		○
中文繁體		○
日本語		○

Select language, then click'✓ "

<	Date	✓
2017	08	29
2018	09	30
2019	**10**	**31**
2020	11	01
2021	12	02

Set current date, then click'✓ "

<	Time	✓
	08	11
AM	09	12
PM	**10**	**01**
24h	11	02
	12	02

Set current time, then click'✓ "

<	APP	✓
Dowload QooCam APP		
[QR Code]		
iOS and Android		
WiFi connection: Go to the [Settings]		

Download QooCam APP, then click'✓ "save setting and exit

Operating the Touchscreen

Swipe down to enter the [Camera Settings] menu
Include Custom Template Management, WiFi Switch, Volume/Brightness Adjustments, and more.

Swipe right to enter [Playback]
• Swipe left or right to scroll through photos and videos. Preview page will display shooting parameters, and you can delete files or view photos/videos by category.

Swipe left to enter [Switch Shooting Mode]
• Quickly switch between the following shooting modes: Photo/Video/-Time Lapse/SuperHDR/Scene/Custom 1/2/3/4 Shooting Template.

Swipe up to enter the [Parameter Setting] of the current shooting mode
• Set Exposure mode, Resolution/-frame rate, File format, White balance, Countdown/interval time, and more.
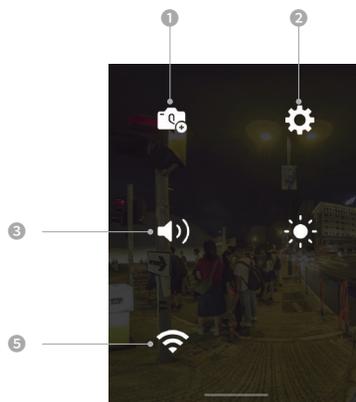
• Swipe left/right/up/down to drag and preview 360° panorama.

① ② ③ ④

124.19GB   100%

AE   EV 0   5s

⑤

① Memory remaining capacity

② Current shooting mode

③ Connected WI-FI

④ 100% Remaining battery

⑤ Camera parameters of the current shooting mode

Camera Settings

Swipe down to enter the [Camera Settings] menu

①   ②

③

⑤

① **Custom Template Management**
Click again to save the current shooting parameters as a custom mode and save up to 4 custom modes. Short press the Q button to switch between the custom modes.

② **More settings**
Dive Case mode switch, language, date, time-lapse, etc.

③ **Sound**
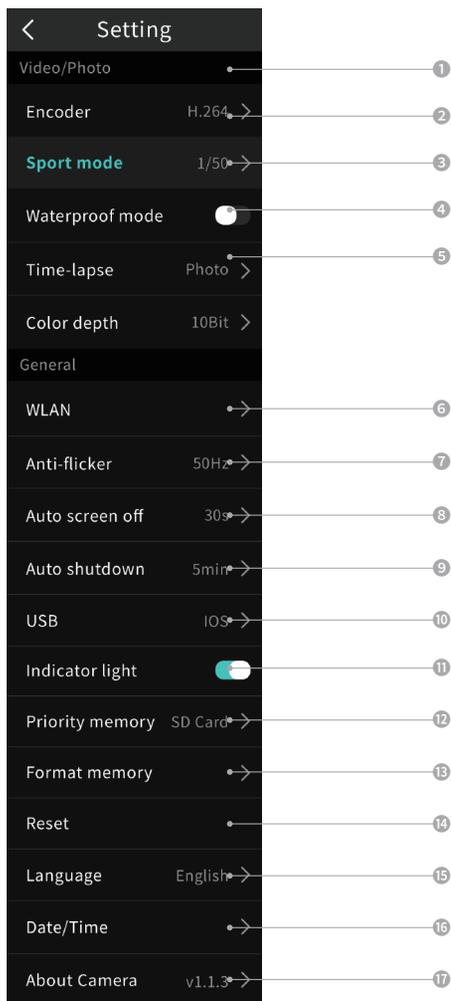After clicking the icon, move the slider to adjust the volume of the sound.

④ **Brightness**
After clicking the icon, move the slider to adjust the brightness.

⑤ **Wi-Fi Switch**
Open by default, short press the icon to gray, turn off Wi-Fi Long press the icon to jump to WI-FI management, display the QR code generated by SSID and password, and use QooCam APP scan code to quickly connect to WI-FI.

More Settings

Setting	
Video/Photo	①
Encoder	H.264 ②
Sport mode	1/50 ③
Waterproof mode	④
Time-lapse	Photo ⑤
Color depth	10Bit
General	
WLAN	⑥
Anti-flicker	50Hz ⑦
Auto screen off	30s ⑧
Auto shutdown	5min ⑨
USB	IOS ⑩
Indicator light	⑪
Priority memory	SD Card ⑫
Format memory	⑬
Reset	⑭
Language	English ⑮
Date/Time	⑯
About Camera	v1.1.3 ⑰

❶ Encoder: Set the video encoding format: H.264, H.265.

❷ Sports mode: Sports mode 1 is suitable for indoor moving scenes, and sports mode 2 is suitable for low light moving scenes.

❸ Dive Case mode: Please turn this mode on when using the dive case.

❹ Time-lapse: time-lapse photo & time-lapse video.

❺ Color depth: 8bit by default, 10bit is also provided.

❻ Wireless connection: View device name and password, set Wi-Fi band, reset connection and SSID and WI-FI password.

❼ Anti-flicker: Prevent the flickering of lights by selecting the frequency according to the local regulations.

❽ Screen auto sleep: set the time before Qoocam 8K enters sleep mode.

❾ Auto power off time: set the time before Qoocam 8K automatically powers off.

❿ USB drive mode: When connecting to a mobile phone, set the corresponding driver according to the mobile phone system (Android/iOS); iOS by default .

⓫ Status LED: The two status LEDs can be turned on or off.

⓬ Preferred Memory: Set the storage location of the current photo/video.

⓭ Format: Tap to format SD card.

⓮ Reset: Tap to reset default settings.

⓯ Language: Set the language to English, Simplified Chinese, Traditional Chinese, Japanese.

⓰ Date/time: Set the date and time.

⓱ About: Tap to view device name, firmware version, SN code.

Shooting and Parameters Adjustment
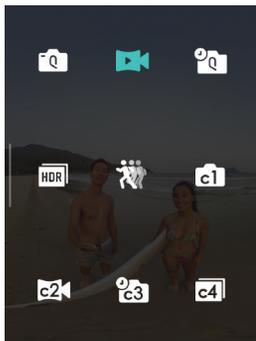
• Swipe left and tap the icon to select the shooting mode.

• Then, swipe up to set the shooting parameters in the current shooting mode.

• Then, press the shutter button to start shooting.
• When recording, the blue indicator light flashes slowly / the touch screen displays the current recording time.
• When taking a picture, the blue indicator flashes
• During shooting, touch screen and Q button are not supported.

| Shooting Mode	Parameter setting range
Video	Resolution / frame rate, exposure mode, white balance
Photo	Exposure mode (auto EV, manual ISO/shutter speed), white balance, countdown, file format (JPG, JPG+DNG)
Time-lapse (video)	Exposure mode (automatic EV, manual ISO/shutter speed, sports EV), white balance, interval time、
Time-lapse (photo)	Exposure mode (auto EV, manual ISO/shutter speed, sports EV), white balance, interval time, file format (JPG, JPG+DNG)
SuperHDR	Exposure mode (auto EV, manual ISO/shutter speed, sports EV), white balance, countdown, file format
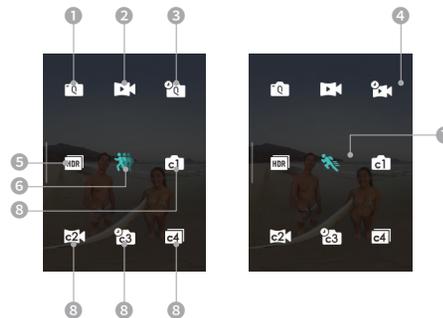
① Photo
② Video
③ Timelapse-Photo
④ Timelapse-Video
⑤ SuperHDR
⑥ Slo-mo
⑦ Sport
⑧ c1 c2 c3 c4 Customized mode
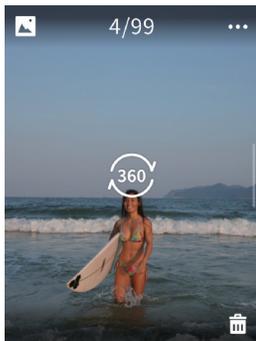
Playback

• Swipe right to enter [Playback], click ⟳ to view photos/videos by category.
• Swipe left or right to switch between the previous/next photo/video.
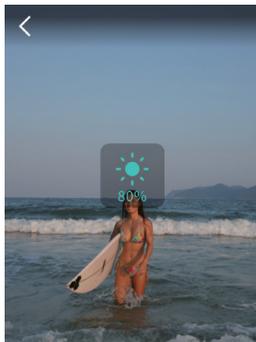
• When playback 360 photo, move the slider on the left side of the screen up or down to adjust the brightness.
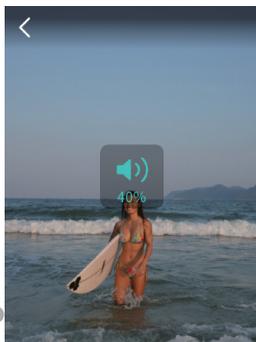
• When playback 360 video, move the slider on the right side of the screen up or down to adjust the volume. Move the slider on the left side of the screen up or down to adjust the brightness.
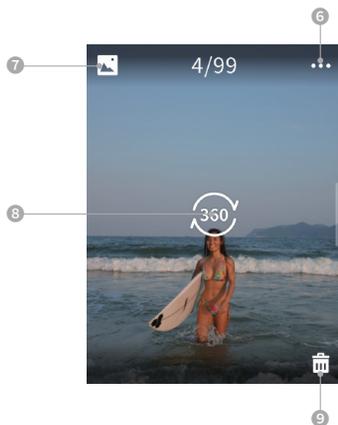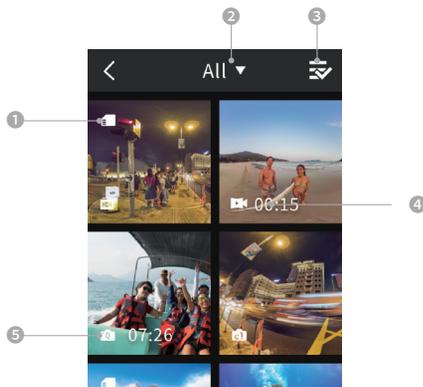
❶   🗎   SD card
❷   ▼   View Photo / Video / All
❸   ≡✓   Multiple choice
❹   Duration
❺   ▣   Shooting mode
❻   •••   Shooting parameters
❼   🖼   Enter the playback list
❽   360   Click to view the panorama
❾   🗑   Delete

Connect QooCam APP

Method 1: Wi-Fi connection

• In the touch screen drop-down list, click the Wi-Fi button in the lower left corner to turn on Wi-Fi, and the button is highlighted as open.
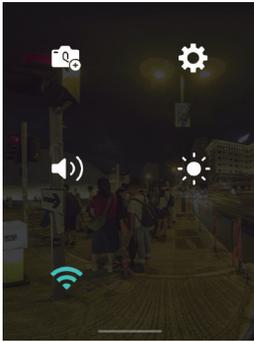
Method 2: Scan code connection

‹ WLAN information

Camera name: QooCam 8K
Password: 12345678

Scan code for wifi connection

• Press and hold the WI-FI button in the touch screen drop-down list to display the camera QR code below.
• Open the QooCam APP and ensure that the phone's Wi-Fi is turned on, scan the QR code of the camera's touch screen, and quickly connect the camera.

Method 3: Wired connection

• Connect the camera to the phone using the USB cable provided (the end with "Kandao" is inserted into the camera USB-C port), and the phone will automatically jump to the QooCam APP preview page.

QooCam APP Shooting and playback

• Click the Settings button ⚏ to set the shooting parameters in the current shooting mode.
• slide left and right to switch shooting mode
• (Photo, video, hype-lapse, SuperHDR, Vlog)
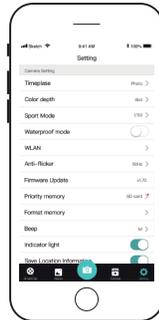
• Camera settings includes: stabilization, custom mode management, firmware version, camera sound, and APP settings.

• Go to the camera album and click on the thumbnail to play back (preview resolution). Download the clip from the camera album to the APP album for full resolution playback.

Edit:QooCam APP

• Enter the APP Album list, select a photo/video and start editing

• Photo editing: add filters, change photo to panoramic video, etc.
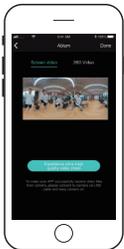• Video editing: add key points, video shifting, video clipping, etc.
• Refer to APP-Tutorial for details.

• Export flat video, which is edited with key points/speed/filters/clip.
• Export 360 panoramic video
• Note: The panoramic video is unedited video. The features of key frames, filters, shifting, etc. are not effective.

SmartClip
• Go Shooting: shoot footage with the camera, and then download and export edited footage automatically.
• Create Now: choose the footage from the APP album, import to the SmartClip template for editing, and export edited footage automatically.

8K Express Edit

• After shooting video in 8K resolution, select to download the footage to the APP album, it will automatically generate a 4K proxy video in the app for editing.
• Edit the proxy video in the QooCam APP and click 🔗 ;
• It will pop up the "Share Super High Quality Video" button, click this button, turn on the camera, and connect it to phone using the official usb cable provided.
• The edit of the 4K proxy video will be applied to the corresponding 8K source footage of the camera, and then the app will export a super high quality video.

• Note: In this process, please make sure the camera is turned on and connected to the phone.
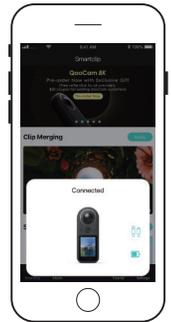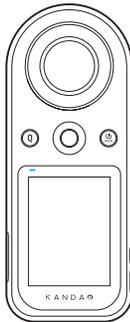
Charging and Expanding Storage

Charging
❶ Connect the camera to a USB adapter via USB-C to USB-A cable; a PD charger with a charging current of 3A or above is recommended..
❷ During charging, the status LEDs are solid red. The battery is fully charged when the statues LEDs turn off.

Note:
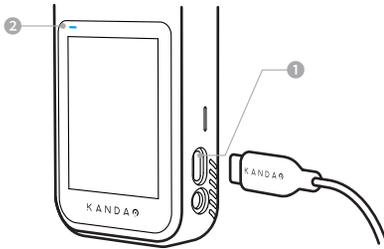• Recommended to turn off the camera during charging
• Support shooting during charging

Expand storage
QooCam 8K has build-in 64G highspeed storage, and it also supports external SD card up to 256G (U3 card is recommended).

Note::
You can format SD card through the touchscreen [Camera Menu - More Settings - Format]

Status LED Description

There are two statues LEDs on QooCam 8K, which can be turned on or off.

Instructions	LED status
QooCam 8K is powering on	Solid red
QooCam 8K is powered on	Solid blue
Charging	When QooCam 8K is powered off, solid red
	When QooCam 8K is powered on, solid pink
Charging complete	Off
Ready to use	Solid blue
While taking photo	Blue light is temporarily off
While recording a video	Blue light blinks slowly
Time-lapse photo/ countdown photo	After triggering the shooting, blue light blinks slowly
Shooting complet	Solid blue
Firmware upgrade	Blue light blinks quickly
Full memory	Blue light blinks quickly
Low battery level warning	Red light blinks quickly
SD card is abnormal	
Storage error	
High temperature warning	

Camera Firmware Update

Using QooCam APP
There will be a updating reminds in App when cellphone is Wi-Fi or wired connected to QooCam 8K and find a FW updates.Please follow the steps to update.

Note:
• Ensure the battery level of QooCam 8K is over 50% when upgrading
• Do not operate the camera during the upgrading process.

Screen status
The interface turns black and there's a progress bar to show updating status. QooCam 8K will automatically turn off after FW upgrading is completed.

Status LEDs
The blue light flashes quickly during the upgrade process, and the camera will automatically turn off after the upgrade is completed.

For More information

Scan and get QooCam APP, QooCam Studio, firmware update guide

https://www.kandaovr.com/download/

Scan and get tutorials

https://www.kandaovr.com/user-guide/

Camera Specification

Basic Specification	
Lens	F2.0、FOV：200°
Sensor	1/1.7"CMOS,20MP
Video resolution	7680*3840@30fps 8/10bit， 3840*1920@30fps/60fps/120fps 8/10bit
Photo resolution	7680*3840、12bitRAW， SuperHDR (16bit output)
Video Format	MP4
Photo Format	JPG、DNG
Audio Format	PCM
Video Encode	H.264、H.265
Max.Bitrate (video output)	200Mbps
IMU	6-axis IMU
Touchscreen	2.4 inch colorful touch screen

Photo/Video Recording	
Photo	Still image, Timed photos, SuperHDR, Time lapse photo
Video	Video, Time lapse video, SuperVlog, Slow motion, Sports mode
Live streaming	4K 360° Live
EV	-2EV ~ +2EV
Exposure mode	EV (auto): -2EV ~ +2EV Photo: 1/6400s-60s SuperHDR: 1/6400s-1s 30fps：1/6400s-1/30s 60fps：1/6400s-1/60s 120fps：1/6400s-1/120s ISO: 100-6400
	Sports Mode: There are three choices to control the maximum shutter time:Off, Mode 1, Mode 2 For 50Hz, Mode 1 is 1/50s, Mode 2 is 1/100s For 60Hz, Mode 1 is 1/60s, Mode 2 is 1/120s Mode 1 is suitable for indoor moving shooting while Mode 2 for low light moving shooting Motion EV: -2EV ~ +2EV
White balance	AWB, Fluorescent, Incandescent, Cloudy, Daylight

Specifications

Design

Design	
Color	Black
Weight	245g
Dimension	145mm*57mm*33mm

Storage and Connection

Storage and Connection	
Wi-Fi	2.4G/5G
External interface	USB-C
Sotorage	Built-in EMMC64GB
External SD Card	Micro SD card(max.256GB), suggest U3 speed
Mic	Build-in Mic
Line-in	3.5mm

Battery

Battery	
Battery Capacity	3000mAh
Charging method	USB-PD 2.0 Fast Charge with 3A or above is commended
Duration	When recording 8K@30FPS or 4K@120fps video, Approx. 45mins
Operation Temperature	0℃～35℃

Disclaimer

Statement

1. Please read these instructions.
2. Please pay attention to all warnings.
3. Please follow all instructions.
4. Never operate the device near heat sources such as radiators, heaters, stoves, or other heat generating equipment.
5. Only use accessories and parts specified and provided by the manufacturer for QooCam 8K.
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 seriously injured or killed by the electric shock or fire disaster, or your QooCam 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 causalities. 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. Never touch the plug or charger with wet hands while the camera is being charged. If you do not follow this warning message, electric shock may occur.
2. 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.
3. If you use an external power connection, please follow all safety guidelines for third-party powered devices.
4. The QooCam 8K 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.
5. The temperature of the camera will rise during operation, which is a normal phenomenon. Please be careful not to use the running camera to contact children or any other temperature sensitive objects, so as to avoid injury. If you think the temperature is too high, turn off the camera and let it cool down before using.
6. This product is not a toy and you are solely responsible for complying with all local laws, regulations and restrictions.
7. Do not use QooCam 8K for unauthorized monitoring, secret photography, or in any other way that violates personal privacy laws. Under normal circumstances, it is strictly forbidden to use the camera for such purposes; otherwise the operator may have to assume major responsibilities and suffer from criminal lawsuits.
8. Cautions: Do not place the camera in extremely cold or extremely hot environments. Extremely cold or extremely hot conditions may shorten the battery life or cause the camera to temporarily malfunction.
9. Warning: There is no protection for the 3 lenses of QooCam 8K, which may be easily scratched. It is recommended to always store the QooCam 8K in the attached lens protective cover and avoid placing the lens on any surface. The lens scratch is not covered by the warranty.