

USER MANUAL

apexcam X80 Pro

ACTION CAMERA



apexcam



RoHS



FC

CE

UK

CA



R: 210-137732

Before recording, you should first read the following:

- Security Measures
- Preparations
- Operating Instructions

It is recommended to read all documents. Then, please check that all components are included in the delivery of the camera.



Subject to update without notice.

<https://www.apexcam.com/product/x80-pro/downloads/>



If you have any questions, please contact our Customer Service Department at: supports@apexcam.com

Connect to your mobile phone via Live DV

Search for **Live DV** in the App Store or scan the QR code to download **Live DV** and install it.

Scanning here



iPhone & Mac
Higher than iOS11.0 &
macOS11.0



Android 4x Quad-Core devices
Higher than Android 7.0

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Security Measures

Before using the equipment, please make sure you are familiar with its safety measures. If you see any malfunctioning equipment, please contact customer service: supports@apexcam.com



Warning: Follow the instructions below to protect against fire, high heat, chemical leakage and electric shock.

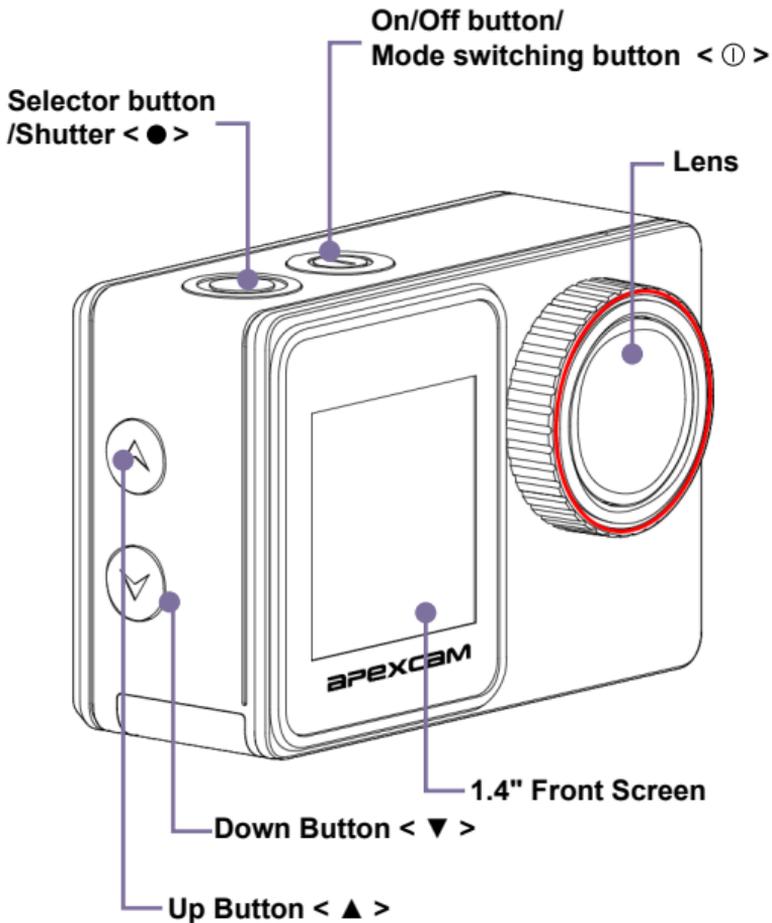
- Only use the supplied battery, charger and accessories. This camera contains high-precision electronic circuitry. Do not attempt to disassemble the camera yourself. Failure to do so will void the warranty.
- Do not short-circuit, disassemble or modify the battery. Do not expose the battery to heat. Do not expose the battery to fire or water. Do not subject the battery to strong physical shocks.
- If overheating, smoke or soot is generated while charging the battery, disconnect the battery charger from the power supply immediately to stop charging. Failure to do so may result in fire or electric shock.
- Remove the battery immediately if there is any leakage of fluid, change in colour or shape, or smoke. Avoid contact of leaking battery fluid with eyes, skin, and clothing. Contact with battery fluid may cause blindness or skin problems.
- Store the equipment in a cool, dry and dust-free place. Do not use the equipment in an environment other than -10 to 40°C. Otherwise, the equipment may be deformed and the insulation may be damaged, resulting in a fire or electric shock hazard.
- It is normal for the device to get hot when recording 4k video. It gets hotter when using the device in very hot places. The selfie stick is recommended for people with very sensitive skin.

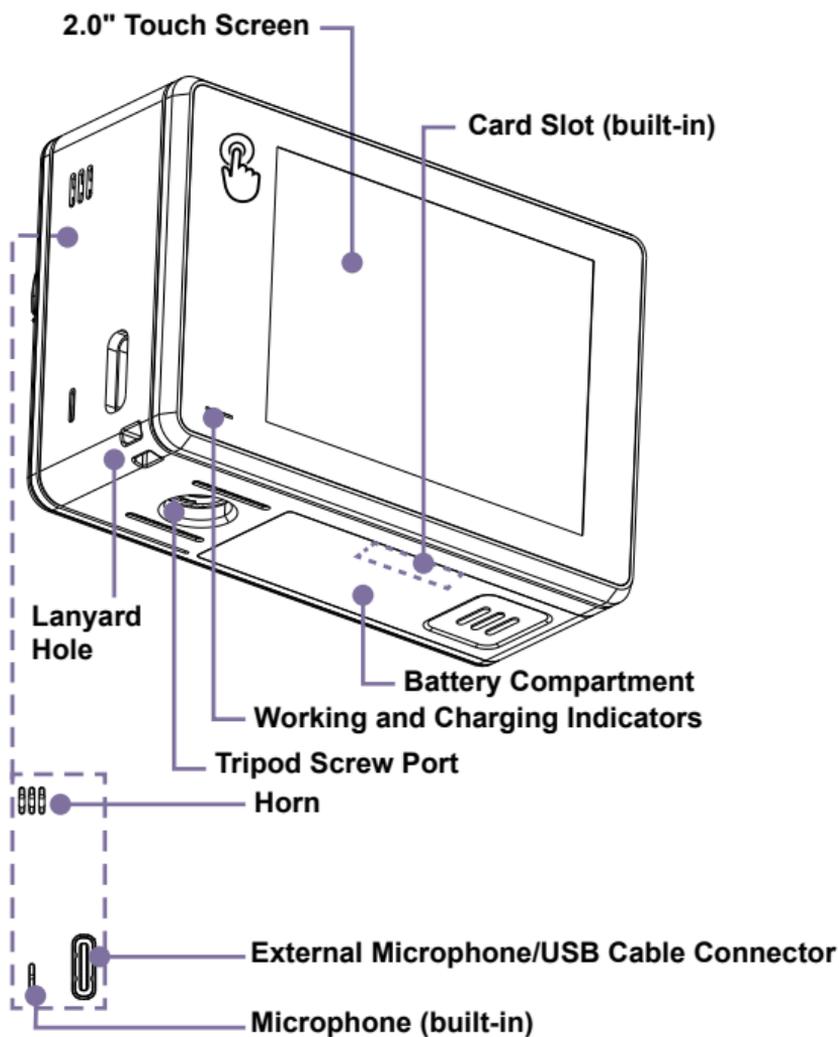
- Keep the device out of reach of children and infants. Straps or cables may pose a choking, shock, or injury hazard to children. Swallowing camera parts or accessories may also pose a choking or injury hazard to children or infants.
- If this product is to be used by children, an adult will need to fully explain its use. Children should be supervised when using this product. Improper use may result in electric shock or injury.
- Do not store the camera near equipment that generates strong magnetic fields such as magnets or motors. Also, do not store the camera near equipment that emits strong radio waves such as large antennas. Strong magnetic fields can cause the camera to malfunction or destroy image data.
- It is recommended to clean the unit after use. Periodically remove dust from around the lens and screen with a dry cloth.
- By using this product, you acknowledge that you have read, understood and accepted the general terms and conditions of this policy and all instructions.

 WARNING	
<ul style="list-style-type: none">• INGESTION HAZARD: This product contains a button cell or coin battery.• DEATH or serious injury can occur if ingested.• A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours.• KEEP new and used batteries OUT OF REACH OF CHILDREN• Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body.	

Preparations

Components





Button Operation Instructions

■ Power Button / Mode Button

- 1) In the OFF state, press Power Button shortly to turn on the camera.
- 2) In the ON state, press and hold Power Button for seconds to turn off the camera.
- 3) In preview mode, press Power Button shortly to switch shooting mode.
- 4) In the main settings menu, press Power Button shortly to cycle through the settings.
- 5) In the sub settings menu, press Power Button shortly to exit the current settings.
- 6) In playback / mode selection mode, short Power Button shortly to return to the previous option.

■ Shutter Button / Select Button

- 1) In video mode, press Shutter Button shortly to start/stop recording video.
- 2) In photo mode, press Shutter Button shortly to capture photos.
- 3) In video / photo mode, press and hold Shutter Button for seconds to enter into mode selection menu.
- 4) In the setting/playback mode, press Shutter Button shortly to select the desired option.
- 5) In the video playback mode, press Shutter Button shortly to start/pause playbacing the video file.

■ Up Button

- 1) In video mode, press and hold the Up Button for seconds to turn on the camera's Wi-Fi.
- 2) In Wi-Fi mode, press the Up Button to turn off the camera's Wi-Fi.
- 3) In video mode, press Up Button shortly to enter into setting mode.
- 4) In the playback mode / sub setting menu / mode selection menu, press Up Button shortly to switch to the previous option.

5) In the video /photo playback mode, press and hold Up Button for seconds to enter into delete menu.

■ **Down Button**

- 1) In video / photo mode, press and hold Down Button for seconds to switch between the front screen or the rear screen to display.
- 2) In video / photo mode, press Down Button shortly to enter into playback mode (SD card inserted).
- 3) In the playback mode / sub seting menu / mode selection menu, press Down Button shortly to switch to the next option.

■ **Notes:**

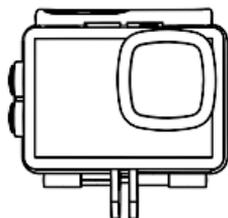
- 1)You can't switch screens during recording or in Setting Mode.
- 2)Front and rear screens cannot work at the same time.
- 3)The 1.4-inch front screen has no operation function and is only used for preview.

Check the Supplied Components

- Camera



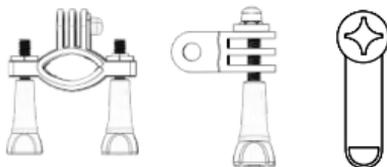
- User Manual
- Installation Manual
- Waterproof Case



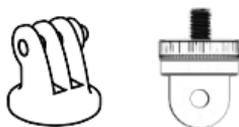
- 1350mAh Battery with Charging Case
- 2.4G Remote Control with Battery and Wrist Strap



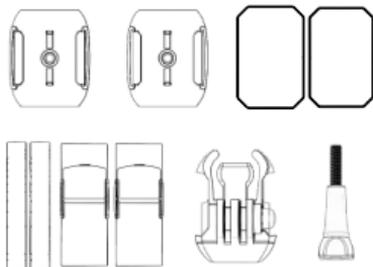
- External microphone
- USB Type-C Cable
- Handlebar Mount Kit



- Tripod Stand Kit



- Helmet Bracket Kit



Register for Warranty

Apexcam X80 Pro comes with a 2 year warranty. Please scan the QR code and activate the warranty before use.

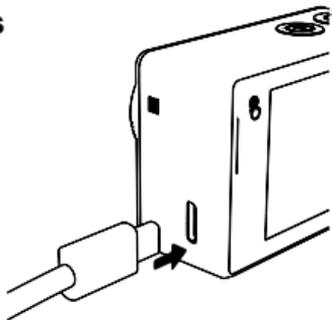


<http://club.apexcam.com/clubwap.asp?action=>

Charging the Battery

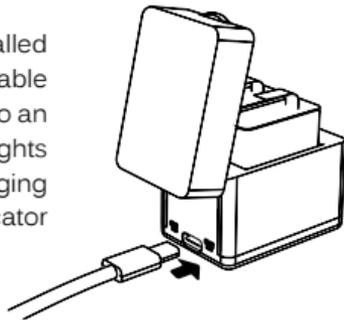
■ Charging the battery with cables

With the battery installed, connect the camera to the AC adapter using the connection cable (supplied), and then plug the AC adapter into an electrical outlet. The charging indicator lights when charging begins. When the charging indicator goes off, charging is complete.



■ Charging the battery with the charger

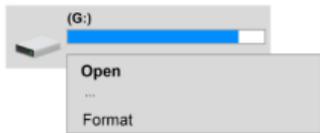
Connect the charger with the battery installed to the power adapter using the cable (supplied) and plug the power adapter into an electrical outlet. The charging indicator lights up when charging starts. The charging process ends when the charging indicator light goes out.



Format memory card (sold separately) to FAT32

Plug the card reader with the SD card inserted into the computer.

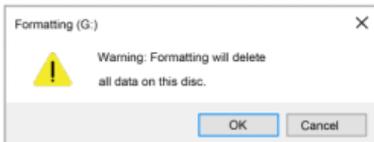
Click the right mouse button and select "Format".



Next you need to set "FAT32" as the file system and set the size of the allocation unit and the volume label. Click "Start" to continue.

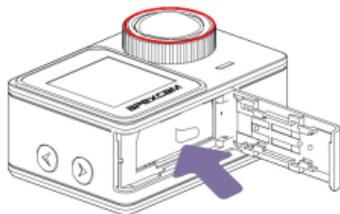


You will see a warning message. If you click OK, the formatting process will begin and you will soon get the desired result.



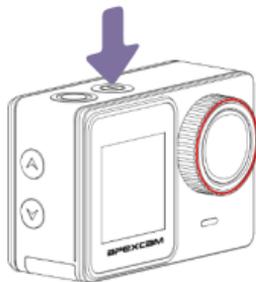
Insert the battery/memory card into the camera

Open the battery cover and insert the battery and memory card into the camera. Then close the battery cover again. Make sure the battery and memory card are properly aligned.



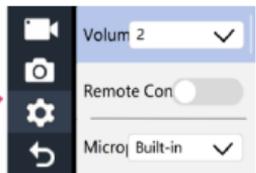
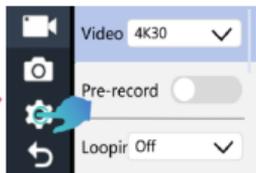
Turn on the camera

Press and hold the < ① > switch for three seconds. The camera beeps and the operating indicator lights up. When the message appears on the screen, the camera is turned on.



Format: Cancel / Confirm

To keep your micro SD card in good condition, reformat it on a regular basis. Reformatting erases all of your content, so be sure to offload your content first.



List of icons on the monitor

■ The icons and their locations shown in the illustrations may differ from the actual display and are for reference only.

Recording on-screen icons



[1] Shooting Modes

 Video Recording Mode

 Slow Motion Mode

 Time-Lapse Mode

 Photo Shooting Mode

 Self-Timer Mode

 Photo Lapse Mode

[2] Duration and Numbers

00:00:00 Actual video shooting time

000000 Picture number

[3] 02:48:14 Remaining video recording time

27180 Remaining Pictures

[4]  Sound Recording Available

[5] Battery Status

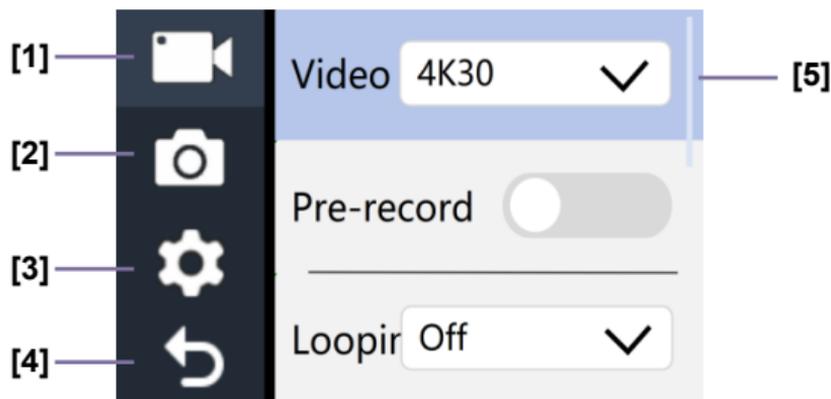
 Battery Life  Low Battery Warning

[6]  Album Menu

[7] Video Video/image Resolution
4K 30

[8]  Setting Menu

Setting up on-screen icons



[1]  Record Video Settings

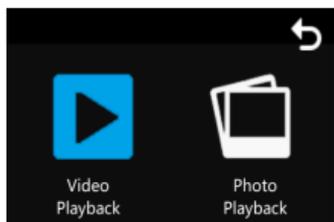
[2]  Photo Settings

[3]  System settings

[4]  Close

[5] | Sliders

Playback & Delete Content



- [1]  Video Albums
- [2] **00:04:14** Video Recording Time
- [3] **004/007** Document number
- [4] **2024-01-01 01:01:01** Recording time
- [5]   Left/Right Switching
- [6]  Close
- [7] **REC2024XXXX.MP4** Document Name and Format
- [8]  Delete

Shooting

Video Recording

<  > Video Recording Mode → <  > The desired settings → <  >
Close → <  > Shutter

[1] Video Resolution: 4K 60、4K30、2.7K30、1080P120、1080P 60、1080P30

[2] Default setting is 4K 30fps.

[3] When capturing video at high resolution or high frame rates such as 4K 60/30fps, the camera may become hot and consume more power, which is normal.

[4] FAT32 format Micro SD card stops recording when the storage of each file is over 4GB and starts to record again on a new file.

Pre-record Mode < On / Off >

Pre-record mode is a new video recording mode for Apexcam. Therefore it cannot be set on earlier camcorders. It allows you to resume 5 seconds of video before pressing the <  > shutter button. You can therefore use this function to record videos of unexpected events (e.g. the climax of a race or the sudden appearance of wild animals while travelling). However, to make the best pre-recorded video, you need to point the camera at the object you want to film. So those 5 seconds don't mean much if the camera is in your pocket!

In addition, you should be aware that the pre-recording mode consumes power even when the shutter button <  > is not pressed. This can shorten the life of the battery. It is therefore not recommended to use this mode for long periods of time, as the constant power consumption may cause the camera to overheat.

Time-Lapse Recording Mode <Off / 1 Sec / 3 Sec / 5 Sec / 10 Sec / 30 Sec / 1 Min>

Time-lapse photography is a cinematic method of accelerating long-term recorded motion sequences in which the frame rate of the recording camera is reduced relative to the playback frequency. If played back at normal speed, the recording will appear faster. This also makes visible changes that would be impossible or difficult for humans to perceive in real time due to the slow speed.

Photo Shooting

<  > Photo Shooting Mode → <  > The desired settings → <  > Close
→ <  > Shutter

Photo Lapse Mode<Off / 2 Sec / 5 Sec>

Time-lapse photo mode is similar to time-lapse video mode. The difference is that in time-lapse video mode, a maximum of 1 minute of video can be taken, whereas in time-lapse photo mode, an unlimited number of photos can be taken (if there is enough memory). When you press the <  > shutter button, the camera starts a burst of shots. The camera does not stop shooting until you press the <  > shutter release button again or the memory card runs out of space. In continuous mode, you can record slow changes, such as cloud movement and sunrise.

By the way, a tripod is required for taking long time-lapse photos. After shooting, you will need to process the photos into a time-lapse video using image editing software such as <  > or <  >, as the camera does not have a built-in image editing function.

Self-Timer <Off / 2 Sec / 5 Sec / 10 Sec>

The self-timer delays the exposure by a few seconds. The time can be selected. The self-timer is often used in the following situations:

The selfie timer allows the photographer to take a place in the group photo so that he or she can appear in the photo as well.

2) If you are travelling alone, you can take a selfie (e.g. under a mountain top cross). When taking a selfie, press the down button < ▼ > to use the front screen to display the viewfinder.

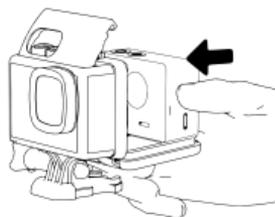
3) In the absence of a remote shutter release, the self-timer can be used to avoid blurred shots. Even if the camera is mounted on a tripod, pressing the shutter release button < ● > may cause the camera to shake or vibrate for the first 1-2 seconds. A delayed release button gives the camera enough time to quell the vibration.

Accessories

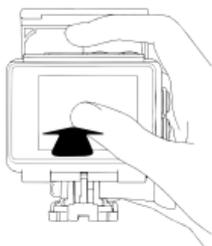
Waterproof Case



Open the black snap at the top of the waterproof case.



Insert the camera.



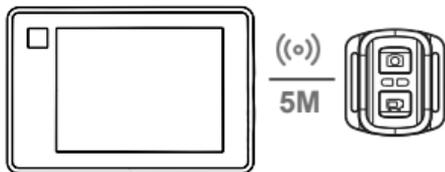
Close the back cover tightly.



Close the black snap at the top of the waterproof case.



Remote Control



How to start/stop recording



How to take photos



Using WLAN function

The WLAN function of the camera allows you to perform the following operations:

- 1) Transfers photos from the camera to the smartphone.
- 2) Use your smartphone as a remote control for your camera.
- 3) Play back photos and animations on your smartphone.

Install Live DV on your smartphone.

To connect the camera to your smartphone, you need Live DV. Scan the QR code and install Live DV on your smartphone. If Live DV is already installed on your smartphone, update the app to the latest version.



iPhone & Mac
Higher than iOS11.0 & macOS11.0



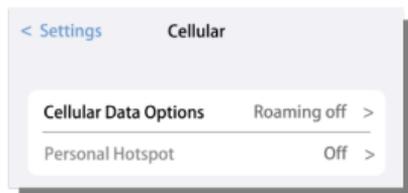
Android 4x Quad-Core devices
Higher than Android 7.0

■ **Press the Up button <▲> to activate the WiFi function.**

Then the SSID (WLAN network name) and password are displayed.

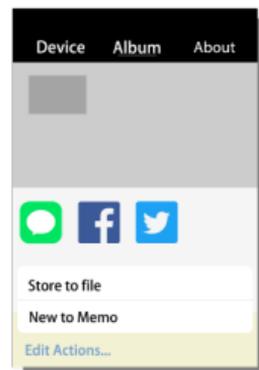
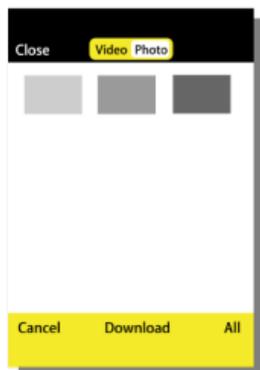
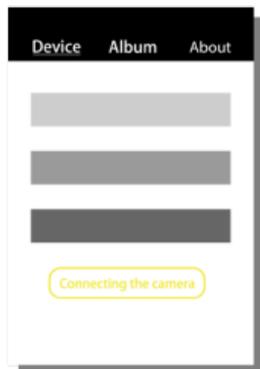


■ **Turn off mobile data and connect the camera and smartphone via a WLAN network.**



■ **Connect the camera. To turn off the Wi-Fi function, press the Up button <▲> again.**

The displayed illustrations may differ from the actual display and are for reference only.



Tips for using

Update Firmware

Generally, the firmware does not need to be updated. If your camera is not working properly, sometimes the problem can be solved by updating the firmware. You can request the firmware by contacting our customer service department at supports@apexcam.com

Battery Use Precautions

■ This camera contains sensitive components such as batteries. Avoid exposing the camera to extreme cold or heat. Low or high temperatures can shorten battery life or cause the camera to temporarily stop functioning properly. Do not store the camera in an environment where the temperature exceeds 60°C.

■ When using the camera, avoid drastic changes in temperature or humidity. Otherwise, condensation may form inside and outside the camera.

■ When using the camera as a car recorder, remove the battery and use a car charger (5V/1A) of a well-known brand.

■ If the battery runs out during shooting, the camera saves the file and turns off automatically.

■ To maximise battery life, follow these guidelines wherever possible:

- 1) Turn off the wireless connection.
- 2) Record video at a lower frame rate and resolution.
- 3) Use a screen saver.

Memory Card Precautions

■ While recording, use a branded memory card with sufficient performance (fast enough read/write speed) to ensure recording quality and stability.

The following memory cards can be used with the camera.

- 1) Micro SD, Micro SDHC, or Micro SDXC
- 2) UHS-III rating at least for 4K Video resolution (at least 60MB/S or above read and writing speed)
- 3) Capacity up to 128 GB (FAT32)

■ The camera does not come with a memory card for recording. You must purchase it separately. *

■ Format the memory card in the camera before use.

■ Please insert the memory card correctly. Failure to do so may damage the card slot.

■ To keep the memory card in good condition, format the card periodically.

■ Reformatting the memory card deletes all content stored on the card. Therefore, please download photos and videos first.

■ Do not place the memory card near strong magnetic objects to avoid data errors and loss. When using the camera, avoid drastic changes in temperature or humidity. Otherwise, condensation may form inside and outside the camera.

Underwater Use Precautions

■ For better waterproofing, the waterproof housing is completely closed. This reduces the volume of recorded sound.

- Before using the waterproof case, please make sure that the waterproof case is well sealed. If the white rubber seal becomes hard, deformed or damaged, please stop using the waterproof housing and contact us promptly for a new waterproof housing.
- Please dry the case after use, otherwise the metal buttons will get dusty and reduce the water resistance. After use in seawater, the exterior of the housing must be rinsed with water and then dried. This will prevent hinge pin corrosion and salt deposits from causing malfunction. Do not rinse the inside of the housing with water.
- When using a camera with a waterproof case in cold temperatures such as winter, rain, or underwater, perform anti-fogging treatment to prevent video blurring.
- We recommend that you add an anti-fog film (insert the anti-fog film into the waterproof housing) to prevent the lens from fogging up in low temperatures or humid environments.
- Protected against drops and high temperatures above 80 °C.
- The waterproof housing is a perishable product. We recommend that you replace it in a timely manner depending on the environment and frequency of use.
- The remote control is not waterproof. Please do not use the remote control in water.
- Water blocks WLAN signals very well. If you use the WLAN function in water, the ability to receive and transmit signals is greatly reduced.

Troubleshooting

■ What should I do if the camera and smartphone cannot establish a WLAN connection?

- 1) Turn off mobile data first.
- 2) Then make sure the smartphone is connected to the camera's Wi-Fi network, as sometimes smartphones automatically connect to other Wi-Fi networks to which they were previously connected.

■ I pressed the up button, but the Wi-Fi function did not turn on.

- 1) Please press the UP button again or hold it down for three seconds.
- 2) Set the camera mode to video recording mode.

■ I connected my smartphone and camera to Wifi and took photos, but I can't view them in my phone's album.

Please select the desired picture or video from the album in Live DV and click Download. You can then view the downloaded pictures or videos in Live DV on your smartphone.

■ The camera does not recognise my memory card and keeps asking me to format the card, even though I have already formatted the card in the camera.

- 1) Format the memory card to FAT32 on your computer.
- 2) If that doesn't solve the problem, replace the memory card. It is recommended to use a branded memory card such as SanDisk or Kingston.

■ I have connected the camera to my computer, but the computer is unable to display the stored contents of the camera.

- 1) After connecting the camcorder to the computer, the camcorder screen will light up and display two options for the USB function. Press MSDC Options.
- 2) The MSDC icon will be displayed on the camera screen. In the computer, the memory card in your camera will be recognised as a new USB stick.

■ How long does the battery last when recording video?

HD resolution: approx. 80 minutes

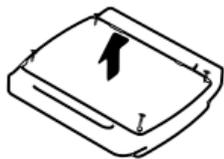
4K resolution: approx. 60 minutes

The above figures refer to battery life without WLAN function and at normal ambient temperature.

■ The remote control does not work.

1) Operation indicator lights up after pressing the remote control button:
Switch off the remote control function in the camera settings and then switch it on again.

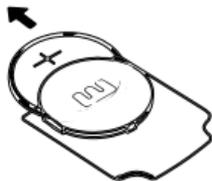
2) Operation indicator does not light up: Replace the remote control batteries.



Step 1: Use a 1.8mm screwdriver to remove the 4 screws on the back of the remote control, then you can open it.



Step 2: Remove another 4 screws on the circuit board.



Step 3: Lift the circuit board and slide out the battery as shown in the picture.



Step 4: Insert the new battery, keeping the "+" post facing



Step 5: Install all 4 screws back onto the board.



Step 6: Re-install all 4 screws in the cover.

3) If the problem still cannot be solved, please contact our customer service department to update the firmware or replace the remote control for you.

■ **Why are the time and date settings reset?**

Since the camera cannot connect to the Internet to synchronise the time automatically, the time must be set manually. The set time is reset when the battery is removed and a new battery is inserted. If you do not want to reset the time, you can charge the camera with a cable.



Live DV

Scan QR code
Download LiveDV App
on your smartphone



WhatsApp

Scan QR code
Add Apexcam official
customer service