

4K Ultra HD Action Camera



Made in China

Specification could be subject to modification due to updating without notice, please regard the actual product as the standard form. If need the newest updated software, please contact our after sale service team!

CAUTIONS

- This is a 4K action camera, It is normal for the housing to exert heat under use. Don't expose the product directly to high temperatures over 50°C.
- It require a name band Class10 or higher micro SD card, Format your SD card on the camera first before using.
- Keep it safe from falling and dropping.
- Do not place heavy objects on the camera.
- Keep it distance from any strong magnetic interference objects like electrical machine to avoid strong radio waves that might be damaging the product and affect the sound or image quality.
- Keep the camera away from water and liquids (unless equipped with waterproof case). This may cause the the camera to malfunction.
- Don't place your Micro SD card near strong magnetic objects to avoid data error or loss.
- Must remove the battery before using as a dash camera and use brand-name 5v/1A car charger.
- In case of overheating, unwanted smoke or unpleasant smell from the device, unplug it immediately from the power outlet to prevent hazardous fire.
- Keep it safety from children while on charging.
- Do not use the camera when it is low power.
- Do not use or turn off the camera while it is in charging.
- Stored the device in a cool, dry and dust free location.
- Do not attempt to open the case of the camera or modify it in any way, if the camera has been detached, the warranty will be void.

INTRODUCTION

Action Camera is a high-definition digital motion video recording device, created to reach market demand. It has a wide variety of the leading features for digital video recording, photo shooting, audio recording with screen display and detachable battery. Best suitable for vehicle recording, outdoor sports, home security, diving and more related activities. Allowing you to enjoy the moments while capturing every scene anytime, anywhere.

GETTING STARTED

Welcome to your new camera. To capture video and photos, you need a micro SD card (sold separately).

MICRO SD CARDS Use brand name memory cards that meet these requirements:

micro SD, micro SDHC, or micro SDXC

Class 10 or UHS-I rating

Capacity up to 8~ 64GB (FAT32)

To power ON:

Press and hold the **Power Button** for seconds.

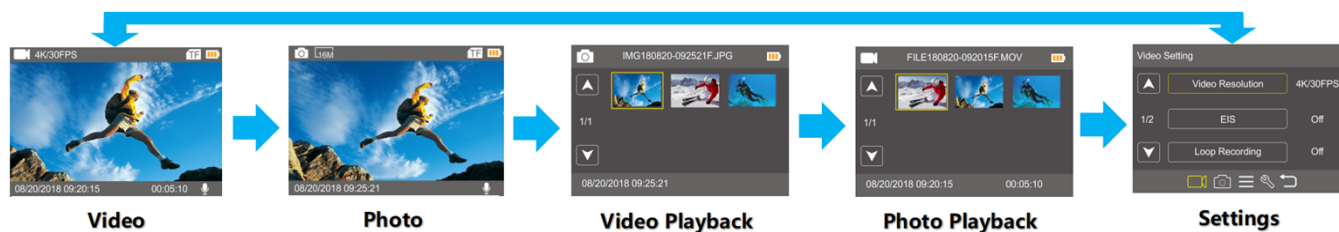
To power OFF:

Press and hold the **Power Button** for seconds.

OVERVIEW

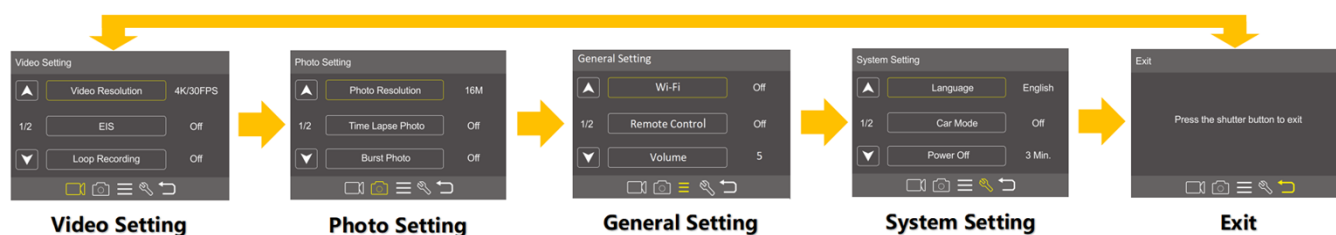
Turn camera ON and repeatedly press the **Mode Button** to cycle through camera modes and settings. The modes will

appear in following order:



SETTINGS

Repeatedly press the **Mode Button** to different Setting Menu, use the **Down Button** to cycle through the various options, and press the **Shutter/Select Button** to select desired option.



Video Settings:

- **Video Resolution:** 4K 30 (3840*2160) / EIS 4K30(3200*1800) / EIS 2.7K30(2688*1520) / EIS 1080P60/30(1920*1080) / EIS 720P120 (1080*720)

Note: When capturing video at high resolutions or high frame rates in warm ambient temperatures, the camera may become warm and use more power

- **EIS (Electronic Image Stabilization) : On/Off**

This setting adjusts the footage to offset for motion during capture. The result is smoother footage, especially in activities with relatively small but fast motion including cycling, motorcycling, and hand-held uses.

Note:

- 1). If you turn on EIS, then select 4K/30FPS, EIS will be turned off automatically.
- 2). If you select 4K/30FPS, then turn on EIS, the video resolution will be EIS 4K/30FPS automatically

- **Looping Video: Off/1Min./3Min./5Min.**

Using Looping Record, you can continuously record video, but save only the moments that you want. For example, if you select a 5-minute interval, only the previous 5 minutes are saved when you press the Shutter button to stop recording. If you record for 5 minutes and do not press the Shutter button to stop recording and save, the camera records a new 5-minute interval by recording over your previous 5 minutes of footage. When the micro SD card is full, the new files will cover the old one if loop recording is on.

- **Time-Lapse Video: Off/1Sec./5Secs./10Secs./30Sec./60Sec.**

Time Lapse Video creates video from frames captured at specific intervals. This option lets you capture a time lapse event and immediately view or share it as a video. Time Lapse Video is captured without audio.

- **Slow Motion: Off/1080P 60/720p 120**

Slow motion is an effect in film-making whereby time appears to be slowed down.

Note: If you use Slow Motion function, EIS will be turned off automatically.

- **Audio Record: On/Off**

Turn off Audio Record, the camera does not record audio when you record video

Photo Settings:

■ **Photo Resolution: 20M/16M/12M/8M/5M**

■ **Time-Lapse Photo: Off/2Sec./10Sec.**

Time Lapse Photo captures a series of photos at specified intervals. Use this mode to capture photos of any activity, then choose the best ones later.

■ **Burst Photo: Off/3photos/5photos**

Burst captures up to 5 photos in 1 time, so it is perfect for capturing fast-moving activities.

Note: Burst Photos only support the photo resolution of 12M/ 8M/5M,do not support the photo resolution of 16M/20M.

General Settings:

■ **WI-FI: On/Off**

Turn on the Wi-Fi function, the camera will be controlled by your smart phone via LIVE DV APP.

*Shortcut: in Video mode, press and hold the POWER button for 3seconds to turn on/off Wi-Fi function.

■ **Remote: On/Off** (Available for Remote Version)

Turn on the remote function, the camera will record video or take photo by the remote included.

*Shortcut: in Video mode, quick to press the POWER button to turn on/off the remote function.

■ **Volume: 0~10**

Sets the volume of your camera's record sound.

■ **Beep: On/Off**

Sets the volume of your camera's alerts.

■ **Exposure: 2 / 1.7 / 1.3 / 1 / 0.7 / 0.3 / 0 / -0.3 / -0.7 / --1 / -1.3 / -1.7 / 2**

By default, your camera uses the entire image to determine the appropriate exposure level. However, Exposure lets you select an area that you want the camera to prioritize when determining exposure. This setting is particularly useful in shots where an important region might otherwise be over- or underexposed.

When you change this setting, the LCD display immediately shows you the effect on your image. If you change modes, the camera returns to using the entire scene to determine the correct level of exposure.

■ **White Balance: Auto/daylight/cloudy/fluoresc./fluoresc. 1/fluoresc. 2**

White Balance lets you adjust the color temperature of videos and photos to optimize for cool or warm lighting conditions. When you change this setting, the LCD display immediately shows you the effect on your image.

■ **IOS: Auto/ISO100/ISO200/ISO400/ISO800/ISO1600/ISO3200**

ISO determines the camera's sensitivity to light, and creates a trade-off between brightness and resulting image noise. Image noise refers to the degree of graininess in the image. In low light, higher ISO values result in brighter images, but with greater image noise. Lower values result in lower image noise, but darker images. When you change this setting, the LCD display immediately shows you the effect on your image.

■ **Effect: Normal / Sepia / B&W / Negative**

Default setting is normal.

■ **Contrast: -100~100**

Contrast controls the brightness levels captured in your video footage or photos.

■ **Saturation: -100~100**

Saturation controls the color purity of color captured in your video footage or photos.

■ **Sharpness: -100~100**

Sharpness controls the quality of details captured in your video footage or photos.

System Setting:

■ **Language: English/Español//Portugues/Русский/简体中文/繁体中文/Deutsch/Italiano
Latviski/Polski/Română/Slovenčina/Українська/Français/日本語/한국어/Čestina**

Sets the language that appears on the camera.

■ **Car Mode: Off/On**

If you turn on car mode and connect camera with car charger, the camera will turn on automatically and start recording if you start your car's engine. and the camera will turn off and stop recording if you Turn off the car's engine.

Note: Must use 5V 1A output car charger.

■ **Diving Mode: Off/On**

Provides color correction while capturing footage in blue water or clear freshwater at depths of 5 to 33ft (1.5 to 10m)

■ **Snow Mode: Off/On**

Snow mode can suppress overexposure in high-brightness environments.

■ **Night Mode: Off/On**

Night mode can improve brightness in low light conditions.

■ **Power Off: Never/1Mins/5Mins**

Powers off your camera after a period of inactivity to save battery life.

■ **Date & Time: __Y__M__D 00:00:00**

The date and time are automatically updated when you connect your camera to the Live DV app. However, you can manually change these settings, if needed.

Note: If the battery is removed from the camera for an extended period of time, the date and time will be reset automatically

■ **Date Format: None / YYYY MM DD / MM DD YYYY / DD MM YYYY**

Default setting is MM DD YYYY

■ **Stamp: On/Off**

If you turn on Date Stamp, this camera adds date stamp to the videos or photos you take.

If you select None, this camera will not add date stamp to the videos or photos you take.

■ **Frequency: 50Hz/60Hz**

Default setting is 50 Hz.

■ **Upside Down: On/Off**

This setting determines the orientation of your video or photos to help you prevent upside down footage.

■ **Screen Saver: Off/30sec./1min./3min.**

Turns off the LCD display after a period of inactivity to save battery life. To turn on the LCD display again, press any button on the camera.

■ **Format: YES/NO**

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 photos and videos first. To reformat your card, press the mode button to enter system setting, then press down button several times to enter Format > Format Card? > YES.

■ **Reset: YES/NO**

This option resets all settings to their default values.

■ **FW Version:**

You can check the brand, model, version and updated time of your camera.

NOTE:

FW version is the main information of firmware upgrade, troubleshooting and after-sales. If necessary, please provide the software version information to our after-sales team so that we can serve you in time.

Exit:

Press the shutter button to exit

VIDEO MODE

Video

To record video, verify the camera is in desired Video Mode and set the desired video resolution, if the **Video icon** in your camera's LCD is not showing, press the **Mode Button** repeatedly to the **Video Setting** menu and select the desired option, such as **Looping Video/Time-lapse Video/Slow Motion/Motion Detection etc**

To Start Recording:

To press the **Shutter Button**. The camera **Working Indicator** and a **Red Dot** on the screen will flash while recording.

To Stop Recording:

To press the **Shutter Button**. The camera **Working Indicator** and a **Red Dot** on the screen stop flashing to indicate recording has stopped

To Turn On/Off the audio record :

Verify the camera is in Video setting menu, select the **Audio Record** to Turn On/Off the audio record, and return to video preview interface, the **MIC icon** will show the status in the right corner of the screen.

Notes

1. This camera automatically stops recording when the battery is out of power. Your video will be saved before the camera powers off.
2. Considering the battery's use characteristics and environmental temperature requirements, such as high temperature can cause battery expansion etc. When you use this action camera as a dash camera, we will ask you to remove the battery, then your camera has only car power to work, when the car engine turns off, the

camera will immediately shut down, and the last file recorded will not be saved.

3. This camera automatically stops recording when the SD card is full, if the looping record function is turned off.

PHOTO MODE

Photo

To capture photo, verify the camera is in desired **Photo Mode** and set the desired photo resolution, if the photo icon in your camera's LCD is not showing, press the **Mode Button** repeatedly to the **Photo Setting** menu and select the desired option such as **Time-lapse Photo/Burst Photo**

To capture a photo:

In the Photo mode, Press the **Shutter Button**. The camera will emit the camera shutter sound.

To capture Time-Lapse Photo

Verify the camera is selected desired **Time Lapse Photo** mode, Press the **Shutter Button**, the camera will initiate countdown and emit shutter sound as soon as a photo is taken.

To capture a Burst Photo series:

Verify the camera is selected desired **Burst Photo** mode, Press the **Shutter Button**, the camera will emit shutter sound each time a photo is taken.

Tips: **Time-Lapse Photo** and **Burst Photo** can not be selected at the same time.

PLAYBACK / DELETE FILES

Playing back on camera

Verify the camera is in Video or Photo Playback menu. Press the **Right Button** to cycle the videos or photos and then Press the **Select Button** to playback the desired options,

to exit playback mode, press the **Mode Button** switch to the next menu interface.

Playing back on TV

1. Turn on the TV
2. Connect the Mini HDMI end to the port on camera and HDMI end to HDMI port on the TV
3. Select the right input source on the TV
4. Turn on the camera after a while, you can preview the camera from TV
5. Setting your camera into the video/photo playback mode
6. Select the desired options to playback

Note:

1. If the camera is connected TV with HDMI cable, the camera does not support to take videos or photo, only for Playback or Preview.
2. HDMI cable is not included in the standard package, you will need buy an extra HDMI cable.

Playing back on camera

1. Enter Video or Photo playback mode. If your micro SD card contains a lot of content, it might take a minute for it to load.

2. Press the Up / Down button to scroll through the video or photo files.
3. Press Shutter button to open video or photo in full-screen view.
4. To return to the thumbnails screen, press Mode button.
5. To exit the gallery, press Mode button.

Playing back on Computer

To play back your video and photos on a computer, you must first transfer these files to a computer. Transferring also frees up space on your micro SD card for new content. To offload files to a computer using a card reader (sold separately) and your computer's file explorer, connect the card reader to the computer, then insert the micro SD card. You can then transfer files to your computer or delete selected files on your card. Note that you must use a card reader to offload photos or audio files. With this method, playback resolution depends on the resolution of the device and its ability to play back that resolution.

NOTE:

1. This camera might not be compatible with the files from different solution camera or other device.
2. The quick time player is a good compatibility with MOV format video files. We strongly recommend using the quick time player player to play back video files on your computer.

Delete single file on camera

1. Verify the camera is in Video or Photo Playback menu. If your micro SD card contains a lot of content, it might take a minute for it to load.
2. Press the **Right Button** to locate the file you want to delete.
3. Press and hold the **Mode Button** for seconds. The screen shows 'Delete Selected File? YES / NO'.
4. Press Shutter button, the selected file will be deleted.

STORAGE/MICRO CARDS

This camera is compatible with 8GB,16GB,32GB,(64GB FAT32 selected) capacity micro SD, micro SDHC and micro SDXC memory card. You must use a micro SD card with a **Class 10** or UHS-I rating speed rating (**80M/S**) at least. We strongly recommend to use the branded memory cards purchased from regular channels for maximum reliability and stability during recording and in high vibration activities.

To insert Micro SD Card

Slide the memory card into the card slot with the label facing front of the camera, the card will click into place when fully inserted.



To remove Micro SD Card

Place fingernail against the edge of memory card and lightly press further into the camera. Then the memory card will spring out far enough to be removed.



NOTES:

2. Memory card is not included in the standard package,you will need buy an extra Memory card.
3. Please format the micro SD,micro SDHC and micro SDXC memory card on the camera before using.
4. Please restart the camera after formatting.
5. Please insert the memory card in correct way . if not , the card slot maybe damage by the wrong way.
6. To keep your micro SD card in good condition, reformat it on a regular basis.
7. Reformatting erases all of your content, so be sure to offload your photos and videos first.

EXTERNAL MIC

Insert the external MIC to DC2.5 MIC port,the camera will automatically switch to record the sound from the external MIC. This will help to reduce the noise and get better video sound.

BATTERY

Charging the battery

To charge the battery

- 1.Connect the camera to a computer or USB power supply (5V/1A commended).
- 2.The charging status light remains ON while the battery is charging.
- 3.The charging status light will turn OFF when the battery is fully charged.

Notes:

- 1.Charging time: 4hours for 5V 1A power supply
- 2.Please make sure the camera is shuttled down while charging.
- 3.Charge only with 5V output charger.
4. Remove the battery before using as a dash camera and use 5V/1A brand-name car charger.
5. Do not store in temperature above 140°F/60°C.
6. Do not disassemble,crush,damage or dispose of in fire.
7. Do not use swelling battery.
8. Stop using the battery after immersed in water.
9. please do no throw the camera or its battery to the garbage,find a specific recycling point for it.

Wi-Fi CONTROL APP

Connect to the Wi-Fi App

The Wi-Fi App lets you control your camera remotely using a smart phone or tablet. Features include full camera control,live preview,playback and sharing of selected content and more.

To connect the camera' s Wi-Fi with the smart phone or tablet:

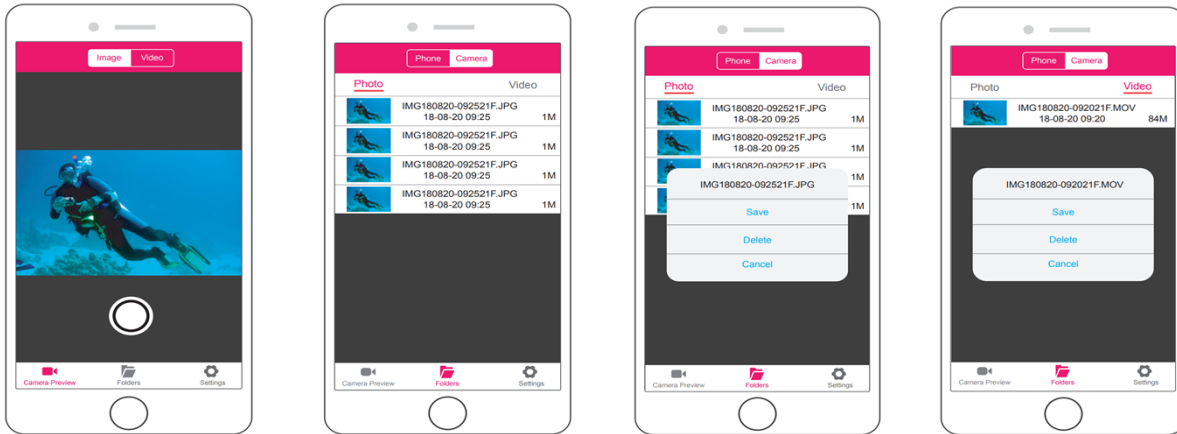
1. Download the **LIVE DV App** or to your smart phone or tablet from the Google Play or Apple App Store.
2. Press the **Power Button** for seconds to power the camera ON.
3. Verify the camera in video preview interface: Press the **Mode/Wi-Fi Button** for seconds to turn on the camera' s Wi-Fi. If the camera' s Wi-Fi is turned on,the Wi-Fi icon will show on the top of the screen.
4. connect to the network called "Live DV" In your smart phone or tablet' s Wi-Fi setting,.
5. Enter the password" 12345678"
6. Open the **LIVE DV App** on your smart phone or tablet.
7. The camera' s screen will turn black, then you can preview from your phone' s screen.

To disconnect the camera' s Wi-Fi with the smart phone or tablet:

Press the **Mode/Wi-Fi Button** again for seconds to turn off the camera's Wi-Fi. If the camera's Wi-Fi is turned off, the Wi-Fi icon will disappear from the screen.

Offloading your content to smart phone or tablet

1. Open the 'Live DV' app.
2. Tap 'Folders' .
3. Tap 'Camera' at the top of the screen.
4. Tap the file you want to download.
5. Tap 'Save' .



The **LIVE DV App** is compatible with smart phone and tablet listed below:

For Apple IOS

- *iPhone5,5s, 6(plus),6s(plus),7 (above IOS10)
- *iPhone Air & Mini (above IOS10)

For Android

- *Android 4x Quad-Core devices ((above Android 7.0)



App available on:



Tips:

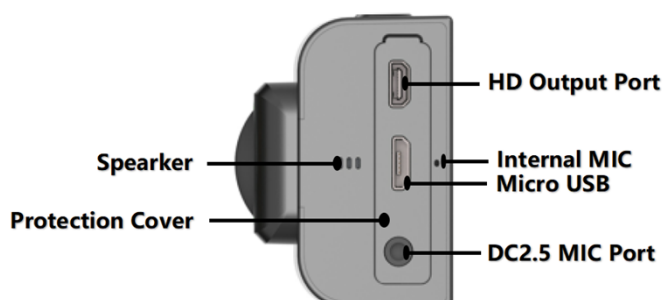
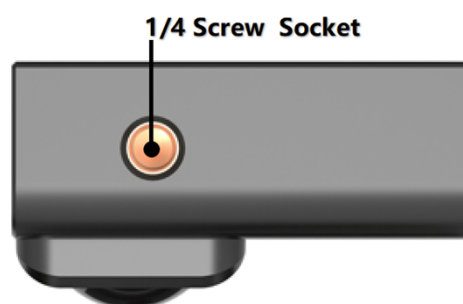
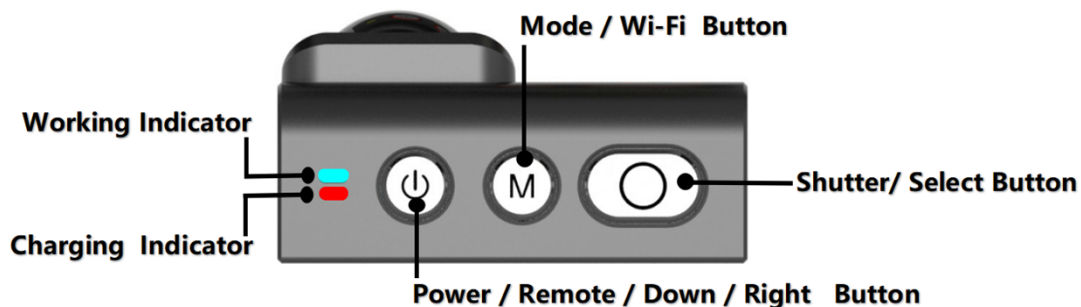
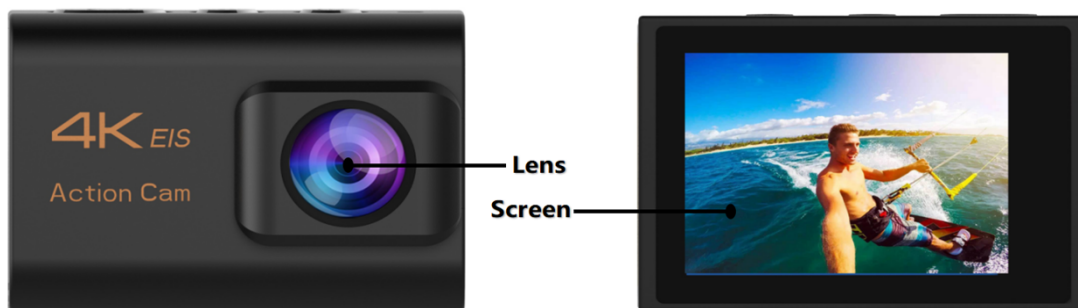
- * The camera Wi-Fi is a point to point signal source, which supports only one telephone connection and does not support two or more phones. If two phones open Wi-Fi at the same time, one phone is successfully connected to the camera's Wi-Fi, and the other will no longer connect to the camera, or even interfere with the transmission of the signal.
- * Camera Wi-Fi transmission power is relatively small, unlike family or office broadband Wi-Fi, its transmission bandwidth is relatively narrow, its signal will be disturbed by such factors as distance, other signals, electromagnetic waves, obstacles, signal delay of 1~3 seconds or loss of connection is normal.
- * When the phone and camera connect through Wi-Fi, the power of the camera will increase. The camera's

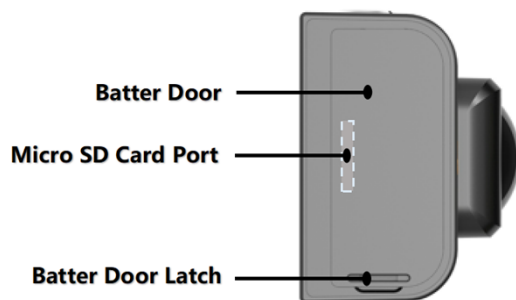
temperature will rise rapidly, and the consumption of camera batteries will also increase. This is a normal phenomenon.

*Since many kinds of phones in the market, and the phone system is constantly updated, LIVE DV APK/APP needs time to synchronize timely updates, if LIVE DV APK/APP can not be compatible to your phone, please tell us your phone' s model and system version information, we will in the first time synchronize your phone.

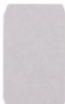
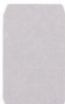
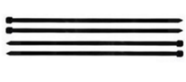
* If you find your phone can not connect the camera's WIFI, please confirm that your connection is correct, if yes, still can not connect. Please delete the WI-Fi SSID of the camera in your phone Wi-Fi setting and reconnect. If necessary, you can also delete the LIVE DV APP/APK from your phone and re-download and re-install it.

THE BACIS



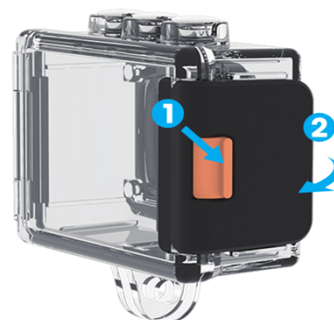
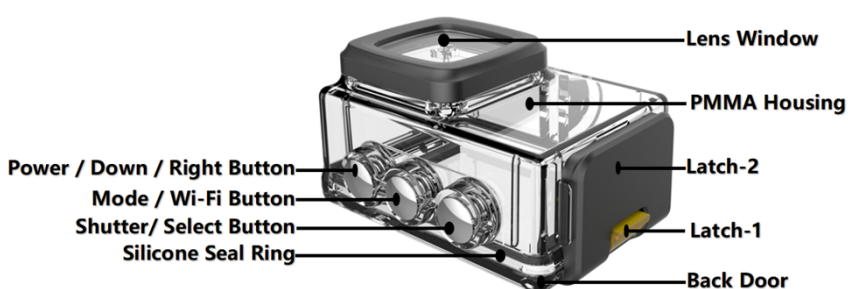


ACCESSORIES

					
Camera	Camera Battery	Waterproof Housing	Long Screw	Buckle Basic Mount	J-Hook Buckle Mount
					
Tripod Mount Adapter	Mount 4	Pivot Arm 1	Pivot Arm 2	Pivot Arm 3	Pole Mount
					
Helmet Mount 1	Helmet Mount 2	Adhesive 1	Adhesive 2	Velcro straps	Helmet Bandages
					
USB Cable	Plastic Techers	Steel Wire Rope	Wiping Cloth	User Manul	External Microphone
					
Remote	Remote Bandage	Remote Button Cell			

WATERPROOF CASE

Specially designed for diving, surfing, snorkeling and other water sports activities. The waterproof case does not only offer greater waterproof protection to your camera, it also offers extra protection against dust, scratches and shocks. Light and easy to carry, excellent PMMA material endows it with high quality. With the use of the waterproof case, you can record activities even 30M under water and it won't damage the shooting effect, clear and vivid. Your movement and photographic effect won't be affected by anti-surf pressure. Convenient to link camera with other accessories mount through this waterproof case.



■ How to Open the waterproof case

Push Latch-1 forward first, then pull up Latch-2. If open the waterproof case forcefully only by Latch-2, it may cause the

damage to waterproof case.

■ **How to close the waterproof case**

Snap the LATCH-2 on the back cover and press the LATCH-2 down.

NOTES:

- In order to capture a clear video or photo, please tear off the lens protection film of the waterproof shell before use, and protect well the lens window from scratch after use.
- Before sealing the waterproof case, keep the camera housing' s White Silicone Seal Ring clean, a single hair or grain of sand cause a leak. You can test by closing the case without inserting the camera. Submerge the case completely in the water for about a minute. Remove the case from the water, dry off its exterior with a towel, and then open the case. If the interior is dry,the case is safe for use under water.
- Before sealing the waterproof case, make sure the waterproof case is sealed well before use.If the white silicone sealing ring is found to be hardened, deformed or damaged, please stop using this water tank and replace the new waterproof shell in time
- Please dry it in time after use, otherwise the waterproof shell metal button or other metal parts will dust and reduce the waterproof performance. After use in in seawater or seaside, you will need to rinse the outside of the housing and the metal parts with fresh water and then dry. This will prevent corrosion of the hinge pin and salt buildup in the seal, which can cause failure. Do not flush the interior with water.
- When use the camera with the waterproof in low temperature, such as Winter, Rainy Day, Underwater and so on, please do the anti fogging treatment so as to avoid the blurred video. It is recommended to add anti-fog film; insert the anti-fog film into the waterproof case to prevent the lens from fogging in low temperature or humid environment;
- Keep it safe from falling and dropping and high temperature above 80°C.
- Waterproof shell is vulnerable product, we strongly recommend ,according to the usage of the environment and frequency, to replace the waterproof shell in time.

FCC Statement:

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in 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.

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

Radiation Exposure Statement

This device complies with RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.