User Manual V3.9

4K EIS Action Camera

I 4K Ultra HD I Electronics Image Stabilizer I Wi-Fi I Dual-Microphone I

I 2.4 Remote Control I 2-Inch HD Screen I 2-Hours Lasting I

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!

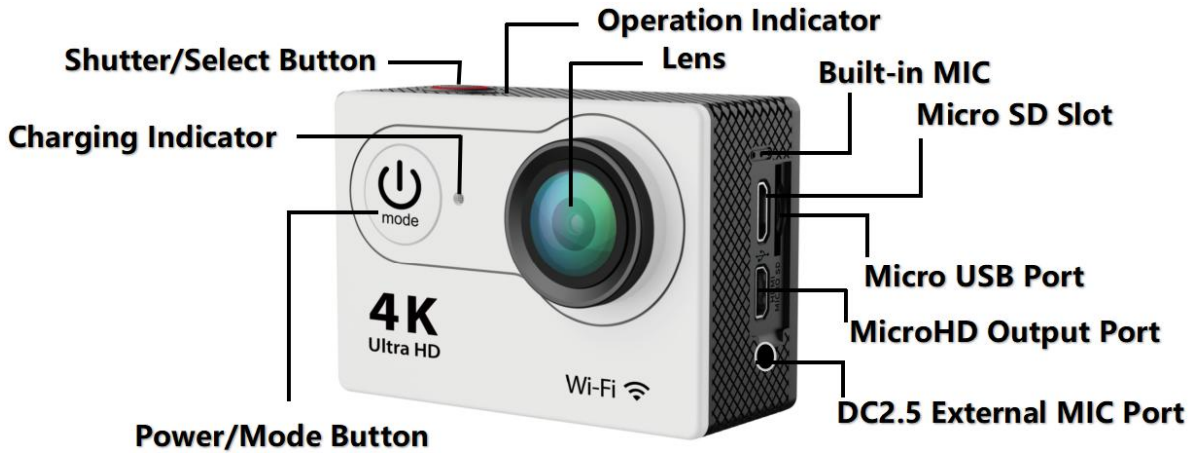
CAUTIONS

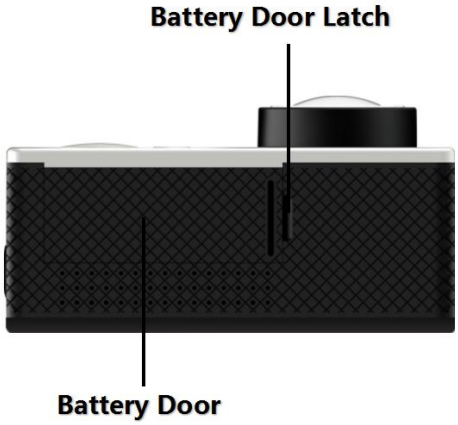
- This is a 4K action camera, It is normal for the housing to exert heat under use. Don’ t expose the product directly to high temperatures over 50°C.
- It require a name band Class10 or higher micro SD card (not include),Format your SD card on the camera first before using.
- Keep it safe from falling 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 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.

INTRODCTION

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.

THE BACIS





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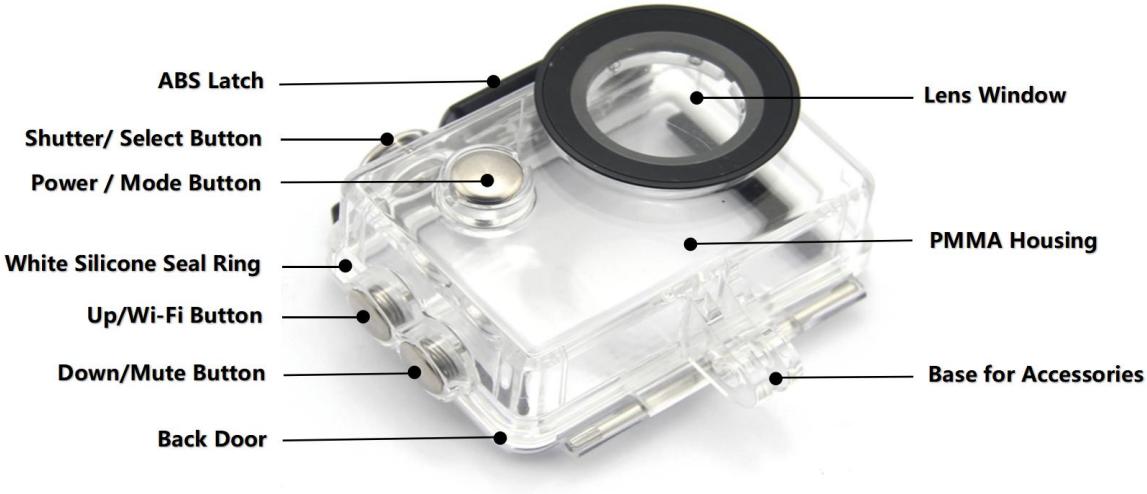
Tips: the Down Button also can be a 2.4G remote fast-switch if your camera is the 2.4G remote version, otherwise, the Down Button can be fast-switch to turn on/off the voice recording function.

ACCESSORIES

Camera	Camera Battery	Waterproof Housing	Mount 1	Mount 2	Mount 3
Mount 4	Mount 5	Mount 6	Mount 7	Clip 1	Clip 2
Pole Mount	Dust Backdoor	Helmet Mounts * 2pcs	Adhesives * 2pcs	USB Cable	Bandages 4pcs
User Manul	Wiping Cloth	Techers	2.4G Remote *for remote version	Remote Button Cell *for remote version	Remote Bandage *for remote version

WATERPROOF CASE

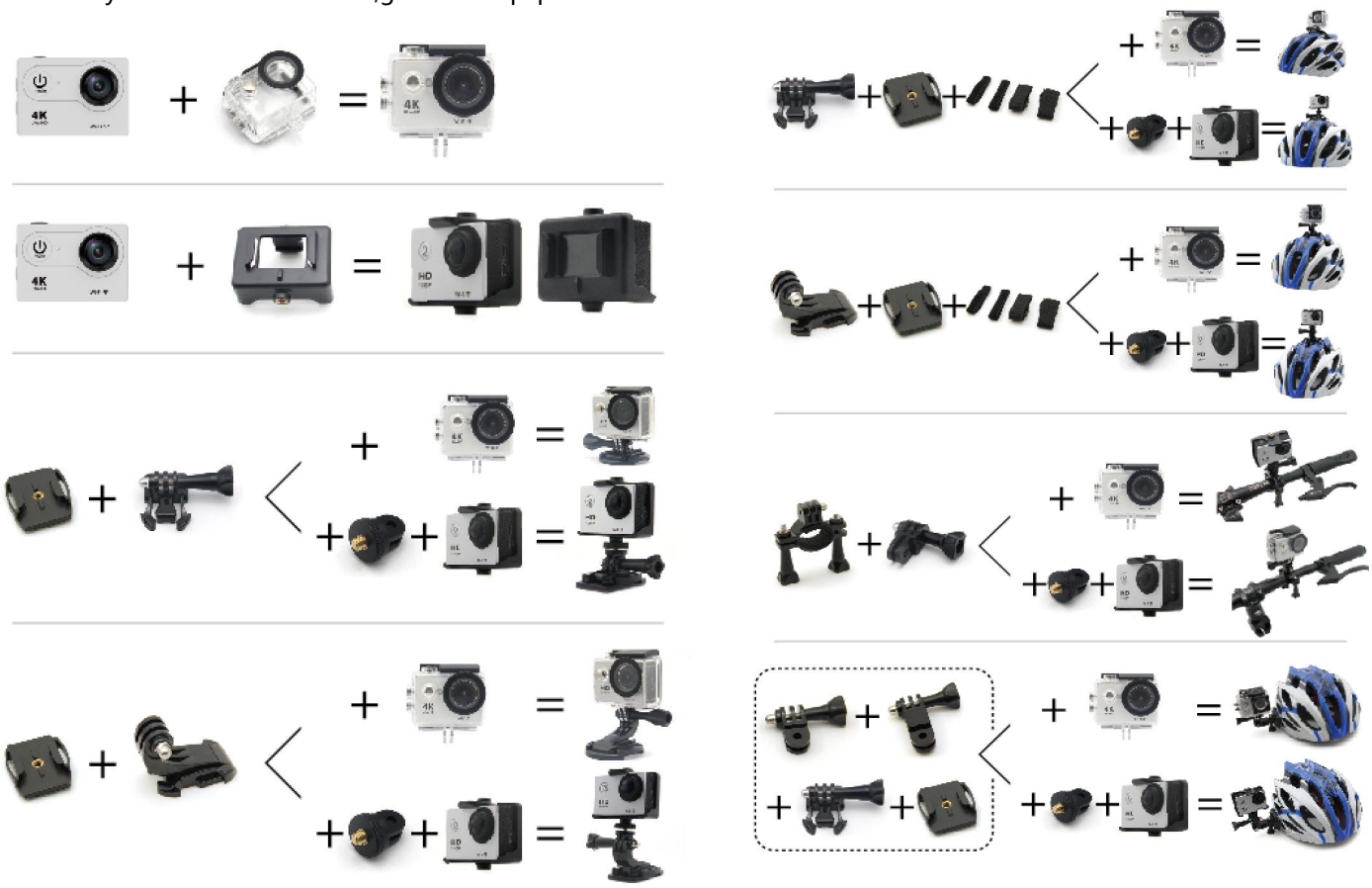
Specially designed for diving, surfing, snorkeling and other water sports activities. The waterproof case does not only offer greater waterproof protection to your camera, it also offers extra protection against dust, scratches and shocks. Light and easy to carry, excellent PMMA material endows it with 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.



- 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. Submerse 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 will dust and reduce the waterproof performance. After use in in seawater or seaside, you will need to rinse the outside of the housing 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.

MOUNTING YOUR CAMERA

Attach your camera to helmets,gear and equipment.



GETTING STARTED

HELLO

Congratulation on your new camera! This user manual will help you learn the basics of capturing life’ s most incredible moments!

To power ON:

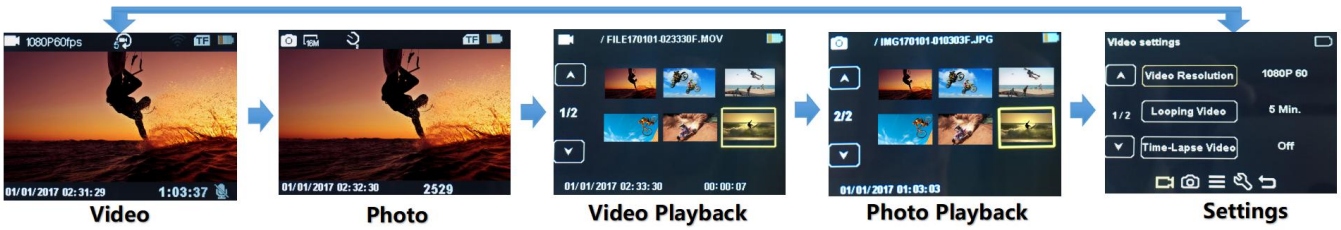
Press and hold the **Power/Mode Button** for seconds to the screen on.

To power OFF:

Press and hold the **Power/Mode Button** for seconds to the screen off.

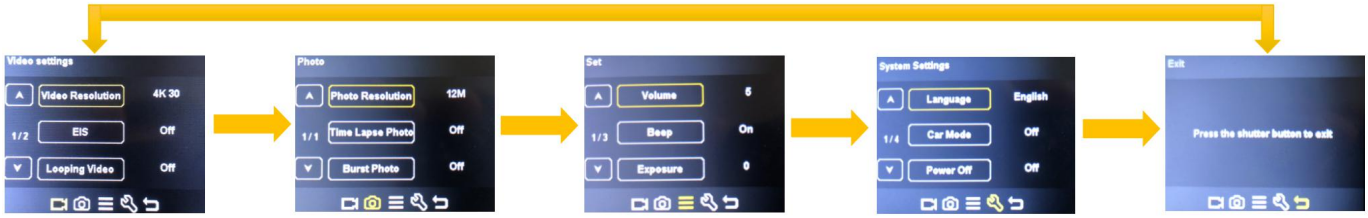
OVERVIEW

Turn camera ON and repeatedly press the **Power/Mode Button** to cycle through camera modes and settings. The modes will appear in following order:



SETTINGS

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



Video Setting:

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

EIS: On/Off

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

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

Slow Motion: Off/1080P 60/720P 120

Audio Record: On/Off

Tips:

This camera equip **EIS** (Electronics Image Stabilizer) function with 3-axis gyroscope to detect motion changes. When the camera tilts, moves, shakes, the sensors use image cross-border compensation algorithm to compensate the change and produce stable videos. EIS is actually a technology to compensate for dithering by reducing picture quality. This technology tries to strike a balance between picture quality and picture jitters.

* only 4K 30 (3840*2160) and slow motion can not support EIS function.

Photo Setting:

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

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

Burst Photo: Off/3photos/5photos

General Setting:

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

Volume: 0~10

Beep: On/Off

Exposure: +-2.0~0

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

IOS: Auto/ISO100/ISO200/ISO400/ISO800/ISO1600

Effect: Normal/Sepia/B&W/Negative

Contrast: -100~100

Saturation: -100~100

Sharpness: -100~100

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

Car Mode: Off/On

Power Off: Never/1Mins/5Mins
Date & Time: ___Y___M___D 00:00:00
Date Format: None / YYYY MM DD / MM DD YYYY / DD MM YYYY
Stamp: On/Off
Frequency: 50Hz/60Hz
Upside Down: On/Off
Screen Saver: Off/30sec./1min./3min.
Format: YES/NO
Reset: YES/NO
FW Version:

Exit:
Press the shutter button to exit

Tips: To ensure your setting succeed,please restart your camera after setting.

VIDEO MODE

Video

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

To Start Recording:
To press the **Shutter/Select Button**. The camera **Status Light** and a **Red Dot** on the screen will flash while recording.

To Stop Recording:
To press the **Shutter/Select Button**. The camera **Status Light** and a **Red Dot** on the screen stop flashing to indicate recording has stopped

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

2. If the camera do not have remote function, to press the **Down Button** to Turn On/Off the audio record quickly. and return to preview interface,the **MIC icon** will show the status in the right corner of the screen.

Tips:
This camera automatically stops recording when the battery is out of power. Your video will saved before the camera powers off.
This camera automatically stops recording when the SD card is full,if the looping record function is turn 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 **Power/Mode Button** repeatedly to the **Photo Setting** Menu and select the desired option such as **Time-lapse Photo/Burst Photo.**

To capture a photo:
Press the **Shutter/Select Button**. The camera will emit the camera shutter sound.

To capture Time Lapse Photo series:
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:
1: **Burst Photos** only support the photo resolution of 12M/ 8M/5M,do not support the photo resolution above 12M.
2: **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 **UP/Down Button** to cycle the videos or photos and then Press the **Shutter/Select Button** to playback the desired options,

to exit playback mode, press the **Power/Mode Button** to the main preview menu, press the **Power/Mode Button** again to switch setting modes

Playing back on TV

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

Tips:
The camera might not be compatible with the files from different solution camera.
If the camera is connected TV with HDMI cable, the camera do not support to take videos or photo, only for Playback or Preview.
HDMI cable is not included in the standard package,you will need buy an extra HDMI cable.

Delete Videos and Photos
Verify the camera is in Video or Photo Playback menu.Press the **UP/Down Button** to select the desired file, then press and hold the **UP Button** for seconds to delete the optional file.

STORAGE/MICRO CARDS

This camera is compatible with 8GB,16GB,32GB,(64GB selected)capacity micro SD,micro SDHC and micro SDXC memory card. You must use a micro SD card with a CLASS 10 (80M/S) speed rating at least. We commend using brand-name memory cards for maximum reliability in high vibration activities

Tips:
*Memory card is not included in the standard package,you will need buy an extra Memory card.
*Please format the micro SD,micro SDHC and micro SDXC memory card on the camera before using.
*Please restart the camera after formatting.
*Please insert the memory card in correct way . if not , the card slot maybe damage by the wrong way.

USING THE 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.
This camera can be compatible with the external Wired Omnidirectional Mono Microphone 2.5mm-jack :

NOTE:
The external microphone is an optional accessory, please choose according to your actual needs. External Microphone is not included in the standard package.

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.

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

Wi-Fi 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.

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/Mode Button** to power the camera ON.
3. Verify the camera in video preview interface: Press the **Up/Wi-Fi Button** twice quickly **or** Press the **Up/Wi-Fi Button** for seconds to turn on Wi-Fi. If the camera' s Wi-Fi is turned on,the Wi-Fi icon will show on the top of the screen.
4. In your smart phone or tablet' s Wi-Fi setting, connect to the network called **"Live DV"** .
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.

* Press the **Up/Wi-Fi Button** twice quickly again **or** Press the **Up/Wi-Fi Button** for seconds again to turn on Wi-Fi.

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

For Apple IOS

*iPhone6, 6(plus),6s(plus),7,8 (above IOS10)

*iPhone Air & Mini (above IOS10)

For Android

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

App available on:

Download on the App Store

GET IT ON Google play

Tips:

* The camera Wi-Fi is a point to point signal source, which supports only one telephone connection at one time 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.

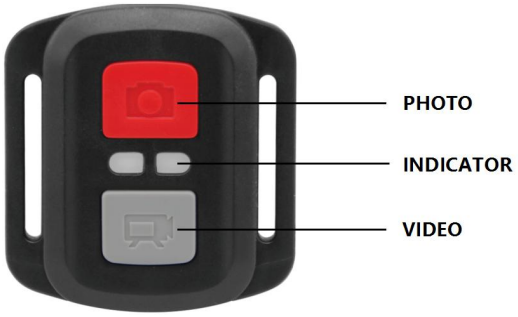
*Since many kinds of phones in the market, and the phone system is constantly updated, LIVE DV APK/APP needs time to synchronize timely updates, if LIVE DV APK/APP can not be compatible to your phone, please tell us your phone’s model and system version information, we will in the first time synchronize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

2.4G REMOTE (For remote version only)

NOTE:
The remote controller is only applicable to cameras with remote control functions. If the camera you purchased is not equipped with remote control module, the following functions will not be available, and the remote control and its accessories will not included in the package.

2.4G Wireless Remote: Splash-proof / Range 20~30M (66~100ft)
Place the Remote Control On Your Wrist and Acquiesce Ultra-convenient Control For Hiking,Biking, Skiing,Bungee And More While Installing The Camera On Your Helmet or other place.



Verify the camera remote function is in ON mode:
Select **ON/OFF** in the Setting Menu to turn on/off the 2.4G remote controller.

Video

Verify the camera is in Video/Photo preview mode first, if the camera is set in Playback or Setting Menu, the camera can not receive the remote signal and can not be controlled by the remote.

To start recording:
Press the Video Button. The camera Working Indicator and a **Red Dot** on the screen will flash while recording.

To stop recording:
Press the Video Button again. The camera Working Indicator and a **Red Dot** on the screen will stop flashing to indicate recording has stopped
Tips:

Photo

Verify the camera is in Video/Photo preview mode first, if the camera is set in Playback or Setting Menu, the camera can not receive the remote signal and can not be controlled by the remote.

To take a photo:
Press the **Photo Button**,the camera will emit a shutter sound.

To take Burst Photos:
Verify the camera is set in Burst Photo mode,and press the **Photo Button,**the camera will emit shutter sounds each time a photo is taken.

To take Time Lapse Photos:

Verify the camera is set in Time Lapse Photo mode, and press the **Photo Button**, the camera initiates countdown and emits camera a shutter sound.

Tips:

*Be sure to remove the remote control battery and put it in a safe and reliable place , if do not use for a long time.

*The remote control will always be in standby state. If the indicator is not on, the battery was out of power. In order to confirm the normal use of the remote control, please replace the remote control battery regularly and in time as following steps:

1. Remove the four screws and the cover;
2. Remove the battery and insert a new CR2032 battery flat side up.
3. Fixed four screws and the cover

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.