K33

Action Camera

Product User Manual

Thank you for purchasing our products.
Please read this manual carefully before use and keep it in a safe place for future reference

Product Overview

Thank you for purchasing "China Youth Daily | Roadjoy " co-branded sports camera. This camera is a high definition sports video recording device, which can be used for digital video recording, photo shooting, audio recording. it is most suitable for outdoor sports, car recording, home recording, swimming and diving and other related activities. Let you capture the wonderful moments anytime and anywhere.

1 - 1.4 inch front screen
2 - Power button/Mode button
3 - Upper button
4 - Down button
5 - Camera
6 - Shutter button /Confirm button
7 - Work/Charge indicator
8 - Holder interface
9 - Speaker
10 - Built-in microphone
11 - 2.0 inch rear screen
12 - Battery cover
13 -Data/charging interface

Introductory Operations

Power button/Switch button:
① In the shutdown status, short press and wait 3 seconds to turn on;
② In the startup status, long press for 3 seconds to shut down;
③ In video and photo mode, short press to switch the front and rear screen display;
④ In setting mode, short press has no function;
⑤ In the screensaver status, short press to wake up the display.

Shutter button:
① In recording mode, press to start /stop recording;
② In photo mode, press to take a picture;
③ In video playback mode, press to play back/pause the video file;
④ In the setting mode, the key has no function;
⑤ In the screensaver state, press to wake up the display.

Note: You cannot switch the front and rear screens during video recording mode and setup mode. The front and rear screens cannot work at the same time.

SD Card
Welcome to use your new camera. To take videos and photos, you'll need a micro SD card (sold separately). We recommend using a branded memory card purchased from a legitimate source for maximum reliability and stability during recording and high vibration activities.
U3 and above high speed memory card, at least suitable for 4K video resolution (read/write speed of at least 60MB/ s or above).
Capacity support up to 256GB (FAT32) (larger memory may affect compatibility with camera).

Note:
• Format the micro SD, micro SDHC, and micro SDXC memory cards on your camera before use.
• Insert the memory card in the correct way. If not, the card slot may be damaged in the wrong way.
• To keep your micro SD card in good condition: reformat it periodically.
• Reformatting will erase all of your content, so be sure to download and save your photos and videos first.
• Do not place the Micro SD card near strong magnetic objects to avoid data errors or loss.
• FAT32 format memory card stops recording when the storage capacity of each file exceeds 4GB and starts re-recording on new files.

Power on & Power off

• Power on: Short press the power button. When the camera status indicator lights up for 3-5 seconds and the startup icon is displayed on the rear display, the camera is powered on.

• Power off: Long press the power button for 3 seconds. When the camera status indicator lights up and the shutdown screen goes off, your camera is powered off.

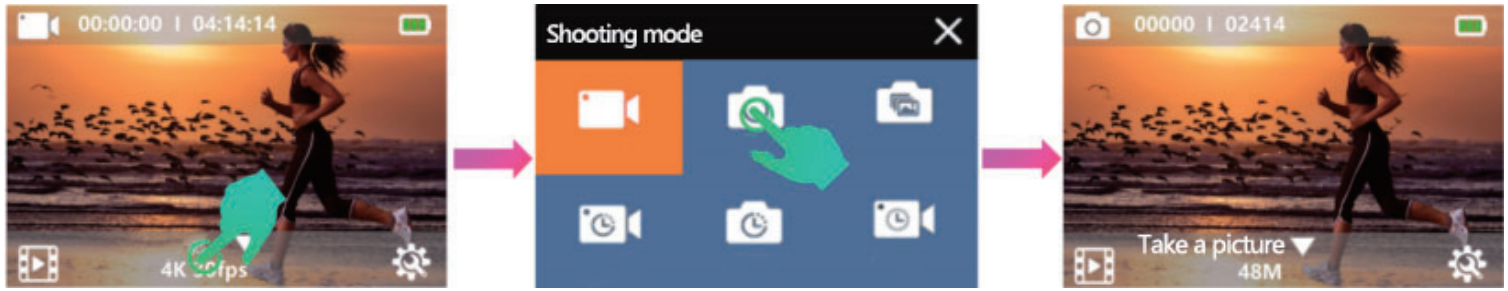
Introductory Operations

In the recording/photo mode, click the "shooting Mode" icon at the bottom middle of the screen to enter the 6-boxes shooting mode menu for mode switching.

The shortcut menu has 6 shooting modes: recording, photo, continuous shooting, time-lapse recording, time-lapse photographing and slow recording.

Click on the mode icon of any box to quickly switch to the corresponding mode.

To exit the Mode shortcut menu, click the "X" icon in the upper right corner of the screen.



The photo mode is the single shot mode. In Photo mode, press the shutter button and the camera will take a picture.

• Continuous shooting mode

Continuous photography, referred to as continuous shooting, can take up to 15 photos at a time, so it is perfect for shooting fast-moving events.

In this mode, press the shutter button and the camera will take 3/5/7/15 photos in a row.

• Time-lapse recording mode

Time-lapse video creates video from frames captured at specific intervals. With this option, you can capture a delayed event and immediately view or share it as a video. Time-lapse recordings are made without audio.

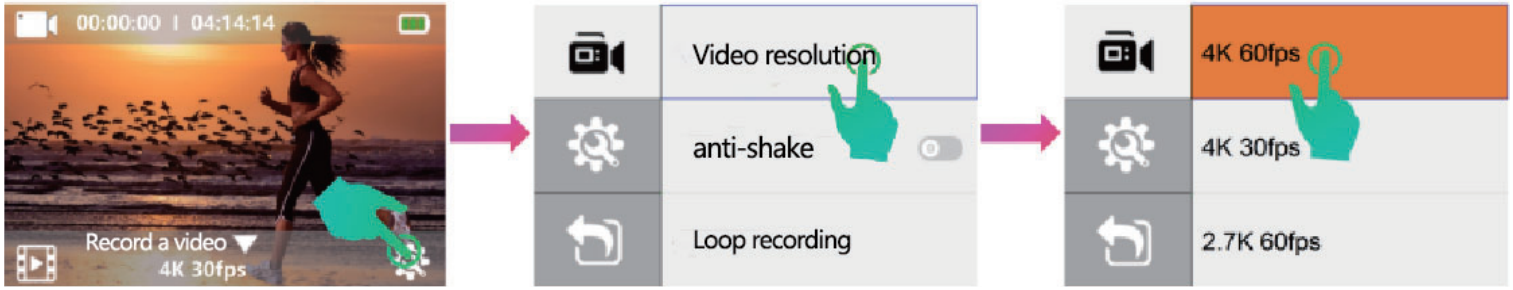
In time-lapse mode, press the shutter button and the camera will shoot a series of videos at set intervals.

• Time-lapse photo mode
Take a series of photos at specified intervals. Use this mode to take photos of any activity and then choose the best one. In time-lapse mode, press the shutter button and the camera will take a series of photos at set intervals.
• Slow recording mode
Also known as slow motion video, and with high resolution video. The camera records the video at a higher resolution and plays it back at a lower speed (usually 30fps per second), resulting in a smoother, more dramatic effect. In this mode, press the shutter button and the camera will record video in slow motion at the set resolution of 2.7K 2X / 1080P 4X and frame rate.
Tips: When using the slow motion feature, EIS and time-lapse recording will not work together.
You can't record audio during slow motion shooting.

Video Setting

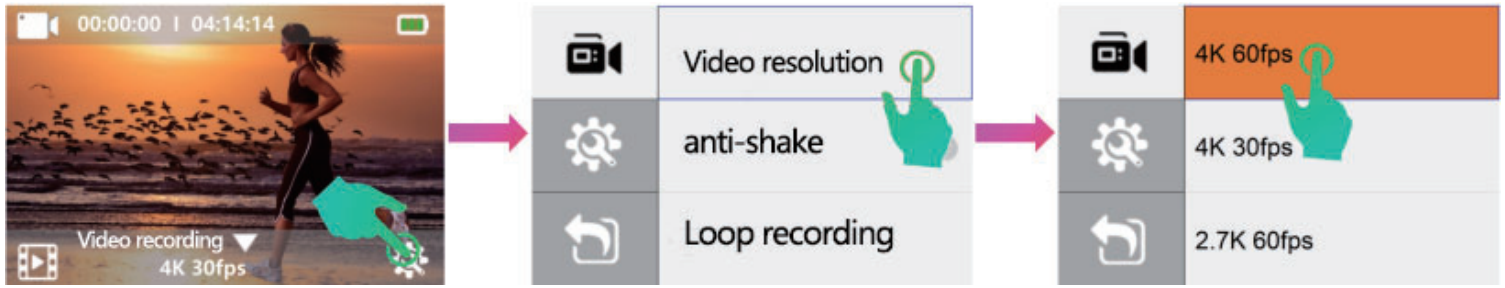
There are three video Settings: recording, time-lapse recording and slow recording. In the Video/time -lapse recording/Slow recording mode, click the "Settings" icon in the lower right corner of the touch screen to enter the video/time-lapse recording/slow recording mode respectively：

① Ensure that the camera is in recording mode. Tap the "Settings" icon at the lower right corner of the touch screen to enter the recording Settings menu of the corresponding camera mode. When the camera is in "Time-lapse" mode, tap the Settings icon at the lower right corner of the touch screen to enter the "Time-lapse" setting menu.
② Swipe "up"/" Down "on the screen to browse through all options, and click the target option to set the target option.
③ Click the "Back" icon in the lower left corner of the screen to exit the Settings menu.



There are three video Settings: recording, time-lapse recording and slow recording. In the Video/time -lapse recording/Slow recording mode, click the "Settings" icon in the lower right corner of the touch screen to enter the video/time-lapse recording/slow recording mode respectively：

① Ensure that the camera is in recording mode. Tap the "Settings" icon at the lower right corner of the touch screen to enter the recording Settings menu of the corresponding camera mode. When the camera is in "Time-lapse" mode, tap the Settings icon at the lower right corner of the touch screen to enter the "Time-lapse" setting menu.
② Swipe "up"/" Down "on the screen to browse through all options, and click the target option to set the target option.
③ Click the "Back" icon in the lower left corner of the screen to exit the Settings menu.



• Capturing video at high resolution or at high fps, such as 4K 60/30FPS, the camera may heat up and consume more power, which is normal.
The camera is capable of recording video up to 4K60fps with higher resolution. Due to the increased number of pixels, providing greater clarity and detail. However, higher resolution video also results in larger recorded files.

• When capturing video at high resolution or high fps in warm ambient temperatures, the camera may heat up and consume more power.

• It is recommended to increase the EV value in low light scenes such as indoor/night/tunnel/ underground parking lot for better low light video effect.

• Anti-shake: Off/on. The default setting is off.
The camera is equipped with a 6-axis gyroscope to detect motion changes. When the camera tilts, moves, and shakes, the sensor uses an image cross boundary compensation algorithm to compensate for the change and produce a stable video, especially in activities that move at relatively small angles (about 6 degrees) and at high speeds, including cycling, motorcycle riding, and so on.
Tips: When anti-shake is turned on, time-lapse and slow motion cannot be used simultaneously.

• Loop recording: Off / 1 minute / 3 minutes / 5 minutes, the default setting is off.
If you select 3 minutes, the file will be saved every 3 minutes. When the memory card is full, if loop recording is opened, the new file overwrites the existing file; If turned off, when the memory card is full, the camera will no longer record anything and will need to format the memory card or replace it with a new one.
Tips: The Fat32 format Micro SD card stops recording when the storage of each file exceeds 4GB and starts recording again on new files. When the camera is 4K 60FPS, you can't set a 5min video file length, and a 5min 4K 60FPS video file is more than 4GB.

• Pre-recording: Off/on, default setting is off.
With pre-recording enabled, the camera can record the picture in sync with the first few seconds before pressing the shutter button. The pre-recording function is ideal for recording exciting moments of unexpected activities, such as recording fish moments while fishing etc.

• Expose Value (EV) : -2.0 ~ +2.0. The default setting is 0.
By default, the camera uses the entire image to determine the appropriate exposure level. However, ‘Exposure allows you to select an area. You want the camera to prioritize this area when determining exposure. This setting may be over - or under-exposed in important areas of the beat
Especially useful in photography. When you change this setting, the display will immediately show you the image effect.
If you change the mode, the camera will go back to using the entire scene to determine the correct exposure level.
Tip: It is recommended to increase the EV value in low light scenes such as indoor/night/tunnel/ underground parking lot for better low light video effect.
In order to avoid overexposure, it is recommended to lower the EV value in highlight areas such as beaches and snow for better video results.

• Automatic White Balance (AWB) : Automatic/daylight/cloudy/tungsten/fluorescent. The default setting is automatic.
AWB allows you to adjust the color temperature of your videos and photos to optimize cool or warm lighting conditions. When you change this setting, the LCD display immediately shows the effect on the image.

• Video format: MP4 / MOV. The default setting is MP4.
• Time tag: Off/Date/Date and time
If Time Tag is enabled, this camera will add a stamp to the video you recording.
If Time Tag is turned off, this camera will not add a stamp to the video you recording.

Time-lapse Recording Settings
• Time-lapse recording: 1 second / 5 seconds / 10 seconds / 30 seconds / 1 minute. The default setting is 5 seconds.
Time-lapse video Creates a video from frames captured at a specific interval. This option allows you to capture a time lapse event and view it immediately or share it as a video. Select 3 seconds to record 3 seconds to get one frame per second. For example: if you choose 4K / 30FPS and 3 seconds, you need to record 90 seconds, then you can get 1 second of video, available for 4K / 30FPS.
Tip:
• Time-lapse video cannot record sound.
• Time-lapse video does not support 4K 60fps and 1080P120fps.
• Slow recording and stabilization will be turned off automatically when you record in time-lapse.
• Pre-recording function is not supported for time-lapse recording.
• Duration: Off / 5 min / 10 min / 15 min / 30 min / 60 min The default setting is off.

Record a time-lapse video for a specific duration.
Tip: To set the duration of time-lapse recording, set the time-lapse recording first.

Slow Recording Settings
Slow recording: 2.7K 2X / 1080P 4X. The default setting is 2.7K 2X.
In Slow recording mode, the camera records video at high resolution, which can be slowed down to 1/4 or 1/2 speed. For example, when you select 1080P and set multi-speed to 4X, the camera achieves 4x super slow motion.

Photo Setting

There are three photo settings: photo settings, continuous photo settings, and time-lapse photo settings.

• Ensure that the camera is in target photography mode, and click the "Setting" icon at the lower right corner of the touch screen to enter the photo setting menu of the corresponding photo mode. For example, when the camera is in "continuous shooting" mode, click the "Setting" icon at the lower right corner of the touch screen to enter the "continuous shooting" setting menu.

• Quickly swipe the loop up or down in the gray area on the right side of the screen to find the target option.

• Click on the target option to set it.

• Click the "Back" icon in the bottom left corner of the screen to exit the Settings menu.

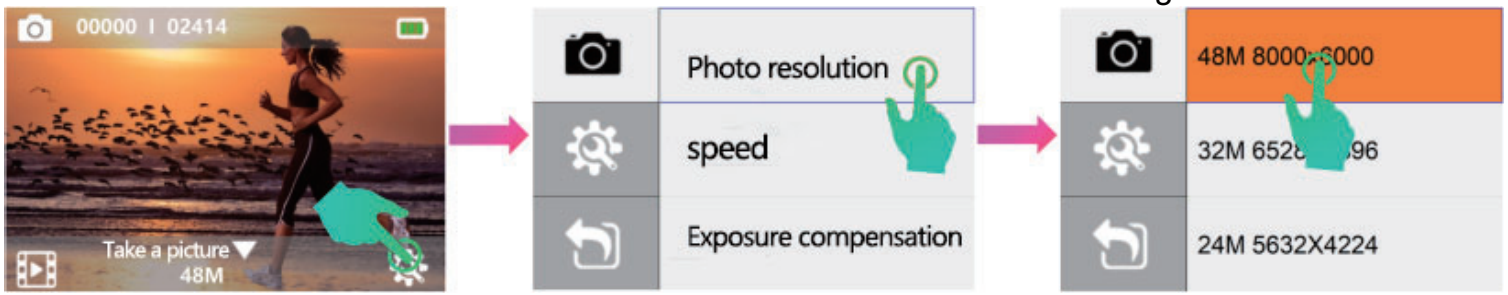


Photo Setting

• Photo resolution: 48M / 32MP / 24MP / 16MP / 12MP / 10MP / 8MP / 5MP. The default setting is 24MP.

• International Organization for Standardization (ISO) : Auto / 100/200/400/800/1600. The default setting is automatic.

ISO determines the sensitivity of the camera to light and makes a trade-off between brightness and the resulting image noise. Image noise refers to the granularity in the image. In low light, a higher ISO value results in a brighter image, but a more noisy image. A lower ISO value results in a less noisy image, but a darker image. When you change this setting, the display immediately shows the effect on the image.

•Expose Value (EV) : -2.0 ~ +2.0. The default setting is 0.

By default, the camera uses the entire image to determine the appropriate exposure level. However, Exposure allows you to select an area that you want the camera to prioritize when determining exposure. This setting is especially useful in shots where important areas may be over - or under -exposed. When you change this setting, the display will immediately show you the image effect.

If you change the mode, the camera will go back to using the entire scene to determine the correct exposure level.

1. In low light scenes such as indoor/night/tunnel/underground parking lot, it is recommended to increase the EV value to obtain a better low light photo effect.
2. In order to avoid overexposure, it is recommended to lower the EV value in high-light areas such as beaches and snow to obtain better photo effects.

•Automatic White Balance (AWB) : Automatic/daylight/cloudy/tungsten/fluorescent. The default setting is automatic.
AWB allows you to adjust the color temperature of your videos and photos. When you change this setting, the display immediately shows the effect on the image.

• Time tag: Off/Date/Date and time. The default setting is off.
If Time Tag is enabled, this camera will add a stamp to the photo you took.
If Time Tag is turned off, this camera will not add a stamp to the photo you took.

Continuous Shot Setting
• Photo resolution: 48M / 32MP / 24MP / 16MP / 12MP / 10MP / 8MP / 5MP. The default setting is 24MP.

• Continuous shooting: Triple/five/seven/Fifteen. The default setting is triple.
Continuous shooting allows you to take a set of photos in a certain amount of time, which is perfect for fast-moving events.
Tip: When continuous shooting is enabled, the time-lapse photo will be automatically turned off.

• International Organization for Standardization (ISO) : Auto / 100/200/400/800/1600. The default setting is automatic.
ISO determines the sensitivity of the camera to light and makes a trade-off between brightness and the resulting image noise. Image noise refers to the granularity in the image. In low light, a higher ISO value results in a brighter image, but a more noisy image. A lower ISO value results in a less noisy image, but a darker image. When you change this setting, the display immediately shows the effect on the image.

• Expose Value (EV) : -2.0 ~ +2.0. The default setting is 0.
By default, the camera uses the entire image to determine the appropriate exposure level. However, Exposure allows you to select an area that you want the camera to prioritize when determining exposure. This setting is especially useful in shots where important areas may be over - or under -exposed. When you change this setting, the display will immediately show you the image effect.
If you change the mode, the camera will go back to using the entire scene to determine the correct exposure level.
Tip:
In low light scenes such as indoor/night/tunnel/underground parking lot, it is recommended to increase the EV value to obtain a better low light photo effect. In order to avoid overexposure, it is recommended to lower the EV value in highlight areas such as beaches and snow for better photo results.

• Automatic White Balance (AWB): Automatic/daylight/cloudy/tungsten/fluorescent. The default setting is automatic.
AWB allows you to adjust the color temperature of your videos and photos. When you change this setting, the display immediately shows the effect on the image.

• Time tag: Off/Date/Date and time are set to off by default.
If Time Tag is enabled, this camera will add a stamp to the photo you took.
If Time Tag is turned off, this camera will not add a stamp to the photo you took.

Time-lapse photo setting
• Photo resolution: 48M / 32MP / 24MP / 16MP / 12MP / 10MP / 8MP / 5MP. The default setting is 24MP.
• Time-lapse: 2 seconds /3 seconds /5 seconds /10 seconds /20 seconds The default setting is 5 seconds.
Time-lapse photography captures a series of photos at a specified interval. Use this mode to take a photo of any activity and then choose the best photo.
Tip: When the time-lapse photo function is enabled, the continuous shot will be automatically closed.
• Duration: Off / 5 minutes / 10 minutes / 15 minutes / 20 minutes / 30 minutes / 60 minutes
The default setting is off.
Tip: If you want to turn on the shrink time, turn on the shrink time photo first.

• International Organization for Standardization (ISO) : Auto / 100/200/400/800/1600 The default setting is auto.
ISO determines the sensitivity of the camera to light and makes a trade-off between brightness and the resulting image noise. Image noise refers to the granularity in the image. In low light, a higher ISO value results in a brighter image, but a more noisy image. A lower ISO value results in a less noisy image, but a darker image. When you change this setting, the display immediately shows the effect on the image.

• Expose Value (EV) : -2.0 ~ +2.0 The default setting is 0.
By default, the camera uses the entire image to determine the appropriate exposure level. However, Exposure allows you to select an area that you want the camera to prioritize when determining exposure. This setting is especially useful in shots where important areas may be over - or under-exposed. When you change this setting, the display will immediately show you the image effect. If you change the mode, the camera will go back to using the entire scene to determine the correct exposure level.
Tip:
In low light scenes such as indoor/night/tunnel/underground parking lot, it is recommended to increase the EV value to obtain a better low light photo effect.
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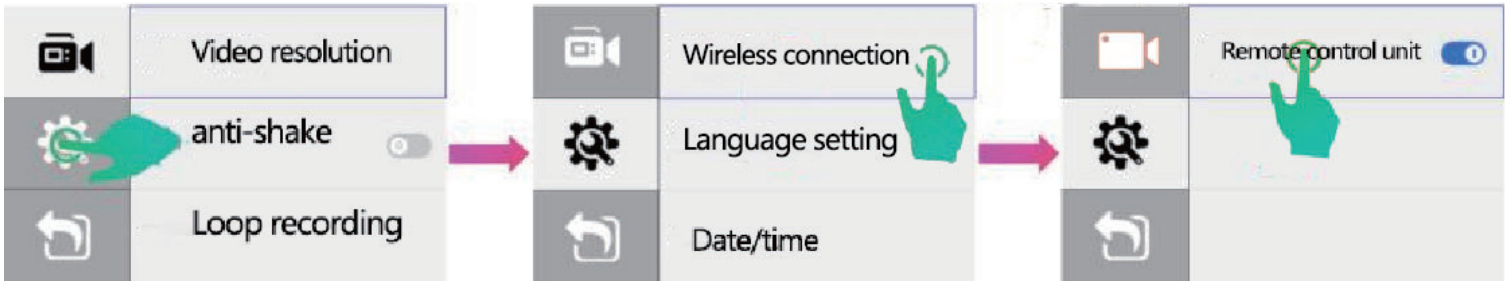
• Automatic White Balance (AWB) : Automatic/daylight/cloudy/Tungsten/fluorescent lighting default setting is automatic.
AWB allows you to adjust the color temperature of your videos and photos. When you change this setting, the display immediately shows the effect on the image.

• Time tag: Off/Date/Date and time are set to off by default.
If Time Tag is enabled, this camera will add a stamp to the photo you took.
If Time Tag is turned off, this camera will not add a stamp to the photo you took.

System Settings

1. Make sure that the camera is in "Video Settings" or "Photo Settings", click the Settings icon in the upper right corner of the screen to "System Settings".
2. Quickly swipe "Up"/" Down "on the screen to navigate through the options.
3. Click the target option to set the target option.
4. Click the "Back" icon in the lower left corner of the screen to exit the Settings menu.



• Wireless connection: Wireless remote control: off/on. Default setting is off.
After the wireless remote control is turned on, the wireless remote control can remotely operate the camera: start recording/stop recording/taking photos.
Tip: The camera has a built-in wireless receiver module. After opening this function, it can be paired with our special wireless remote control. Otherwise, If this function is disabled, the wireless remote control function cannot be used.

• Language: English/Francais/Espanol/Portugues/Deutsch/Italiano/Simplified Chinese/Traditional Chinese/Japanese. The default setting is English. Set the language displayed on the camera.

• Date time: 00:00:00: Year Month Day/Day Month Year/Month Day Year.
When you connect the camera to the APP, the date and time are automatically updated. You can change these Settings manually if needed.
Tips: If you remove the battery from the camera for an extended period of time, the date and time will automatically be resette.

•Driving mode: close/open:
The default setting is off. The driving mode is to automatically turn on the power and start recording when car powered and automatically shut down to stop recording when car powered. If you turn on driving mode and connect the camera to the car charger, the camera will automatically turn on and start recording if you start the car engine. If you turn off the car engine, the camera will turn off and stop recording.
Tips: Must use 5V 1~2A output car charger. As a dash camera, it is recommended to turn on loop video and driving mode at the same time.

•Volume: shutter/button sound/volume/device opening sound
Button sound: On/off setting the camera's operating sound.
Volume: 0/1/2/3 setting the volume at which the camera recording sound.
Device opening sound: On/off setting the opening sound of the camera.
Recording audio: On/off setting whether the camera's recording is recording sound.

• Image flip: Off/On. The default setting is off. This setting determines the orientation of the Settings menu.

• Screen Saver: Off / 30 seconds / 1 minute / 3 minutes. The default setting is 30 seconds. Turn 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.

• Automatic shutdown: Shutdown / 1 minute / 3 minutes / 5 minutes / 10 minutes. The default setting is 5 minutes. Power off the camera after a period of inactivity to save battery life.

• Format: Confirm/no
To keep your microSD card in good condition, reformat it periodically. Reformatting will erase all of your content, so be sure to save the photos and videos inside the micro SD card first.

• Factory Reset: Yes/No. This option resets all Settings to their default values.
• System information: XXXXXXX You can check the software version of the camera.
Tip: The software version is the main information for firmware upgrades,troubleshooting and after-sales service. If necessary, please provide software version information to our after-sales team so that we can serve you in a timely manner.

APP Connection

The Wi-Fi app allows you to remotely control the camera using your smartphone or tablet. Features include full camera control, real-time previewing View, play, and share selected content.

• Domestic Android phones

Scan the QR code below to download and install the app on your phone.

• Apple IOS phones & overseas Android phones

Scan the QR code below to download and install the app on your phone.

Enable camera WI-FI

Turn on the camera, make sure it is in video mode, swipe down quickly on the screen to turn on the camera's WIFI, and once the camera has turned on Wi-Fi,
The Wi-Fi name and password of the camera will be displayed on the screen. Press the Power button to exit and turn off the camera Wi-Fi.

• Connect to the WI-FI APP

1.Enable camera Wi-Fi;
2. Go to the Wi-Fi Settings of your phone and connect to the Wi-Fi SSID named "AC02PRO_xxxxxx (random serial number)";
3. Enter the password: 12345678;
4. After the camera is successfully connected to the WIFI of the phone, launch the "LIVE DV" application on the phone.

The WIFI app is compatible with the following smartphones and tablets:
• Apple IOS
* iPhoneX (IOS13 or above)
• Android system
* Android 4x Quad-Core devices (Android 7.0 and above)

Tip:
• In order to ensure the stable connection between the phone and the camera WIFI signal, it is recommended to move the phone terminal after the phone is successfully connected to the camera WIFI The network is closed.
Once the camera's Wifi is connected, it will give you a "no Internet connection" or "weak security" notification because of the movement of your phone
The signal is blocked. You can ignore it and continue with the application contact This connection screen is for reference only.
• Camera Wi-Fi is a point-to-point signal source that only supports one phone connection at a time, not two or more phones. If two hands When Wi-Fi is enabled at the same time, one phone successfully connects to the camera's Wi-Fi, and the other will no longer connect to the camera, or even will
The transmission of interference signals.
• Camera Wi-Fi bandwidth is relatively narrow, and its signal can be affected by distance, other signals, electromagnetic waves, obstacles, and other factors. 2 to 5
Second signal delay is normal. The Wi-Fi distance is about 5 to 8 meters.
• When the phone and camera are connected via Wi-Fi, the battery of the camera increases. The temperature of the camera will rise rapidly. The battery of the camera
Consumption will also increase. This is normal.
• Due to the wide variety of mobile phones on the market and the constant updating of mobile phone systems, WIFI applications need time to synchronize and update if
The WIFI app is not compatible with your phone, please tell us your phone model and system version information and we will check in Sync your phone the first time.
• If you find that your phone is unable to connect to the camera's WIFI, please confirm that your connection is correct, if yes, still no Method connection. Delete the camera's Wi-Fi SSID in your phone's WI-FI Settings and reconnect.
If necessary, You can also delete the WIFI app from your phone, re-download it, and reinstall it.

Playback and Delete Files

• Playback: You can play contents on your camera's display/computer/TV or on your smartphone/tablet. You can also play content by plugging the memory card directly into the device, such as a computer or compatible TV. With this method, the playback resolution depends on the resolution of the device and its ability to play that resolution.
There are two playback modes: video playback mode and photo playback mode. In Playback mode, you can play or delete content from the camera.

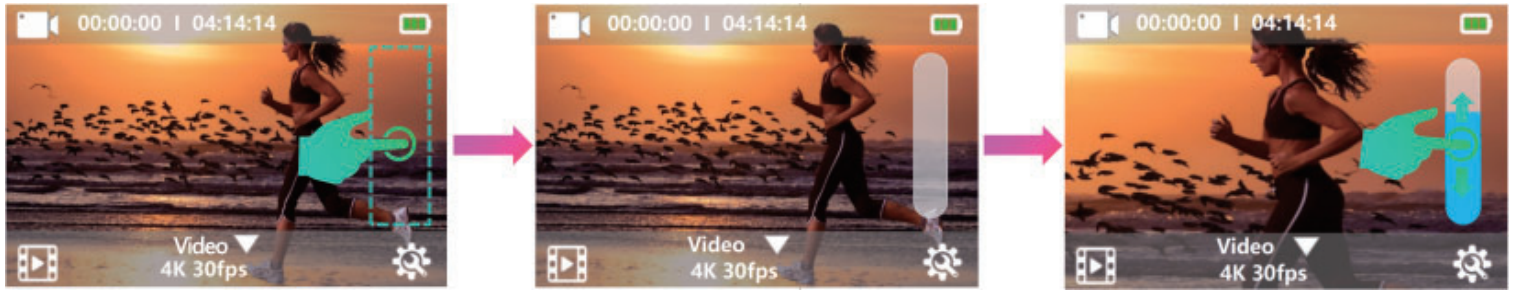
Play back video & photo files on your camera
1.Turn on the camera.
2.Click the "Play" icon in the lower left corner of the screen to enter the play mode.
3.Click the "Last File" and "Next File" ICONS to browse through different files. Video file: Tap the "Play" icon in the middle of the screen to play the video file.
4.To exit playback mode, click the "Back" icon in the bottom left corner of the screen.
Tip： If your memory card contains a lot of content, it may take some time to load.

Delete video & photo files on the camera
1.Enter the playback mode.
2. Click the video file icon or photo file icon.
3. Click the "last File" and "Next File" ICONS to find the video or photo file you want to delete.
4. Click "Icon" in the lower right corner of the screen.
5. Click "OK" to delete the selected file.

Play on computer
Method 1: To play videos and photos on the computer, you must first transfer these files to the computer: To use a card reader (sold separately), insert the card into the card reader, and then put the card reader into the computer.
Method 2: Use a USB cable, one interface to connect to the computer, and insert the TYPE-C interface end into the machine. At this time, the camera will automatically turn on and pop up the "Mass Storage" dialog box. At this time, the camera will become a moving disk and transfer the camera multimedia files to the computer.

Digital Zoom Shooting

The camera supports 8X zoom and is set to not zoom by default. The zoom function is available in all shooting modes.
Please follow the instructions and illustrations below to use the zoom function.
1.Turn on Camera.
2. Enter any shooting mode.
3. Click on the Zoom touch bar area and the touch bar will be displayed.
4. Move up or down the touch bar area to adjust the focus.
5. After no action is taken, the touch bar will automatically hide and exit.



Battery

The camera contains sensitive components, including batteries. Avoid exposing the camera to very cold or very hot temperatures. Cold or hot conditions may temporarily shorten battery life or cause the camera to temporarily stop working properly. When using the camera, avoid drastic changes in temperature or humidity, as condensation may form on or inside the camera.

Battery storage and disposal
• Do not store at temperatures above 140°F/60°C.
• Avoid exposing the camera to very cold or very hot temperatures. Low or high temperature conditions may temporarily shorten battery life or will cause the camera to temporarily stop working normally.

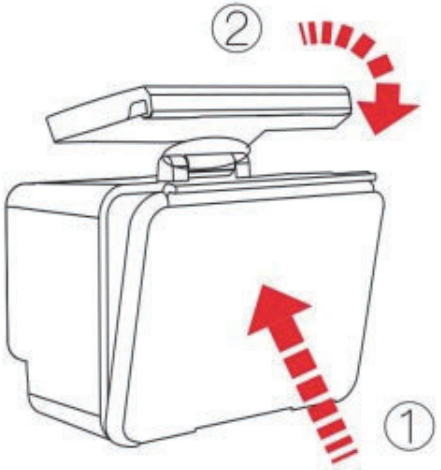
When using the camera, avoid drastic changes in temperature or humidity, as condensation may form on or inside the camera.
• Do not use external heat sources such as microwave ovens or hair dryers to dry the camera or batteries.
• Camera or battery damaged caused by contact with liquid inside the camera is not covered by the warranty.
• Do not store batteries with metal items such as coins, keys, or necklaces. If battery terminals are in contact with metal objects, a fire may occur.
• Do not make any unauthorized changes to the camera. Doing so may affect safety, regulatory compliance, and performance, and may void warranties.
• Please do not throw the camera or battery in the trash, find a special recycling point.
• If you do not use the camera for a long time, remove the battery from the camera and store the device and battery in a cool, dry, and safe place to avoid potential risks such as battery expansion caused by static discharge of the battery.
Warning:
• Do not drop, disassemble, open, crush, bend, deform, puncture, chop, microwave, burn or spray the camera or battery.
• Do not insert external objects into the battery opening of the camera.
• Do not use the camera or battery if it is damaged, such as cracked, punctured, or damaged by water. Removing or puncturing the battery may result in an explosion or fire.

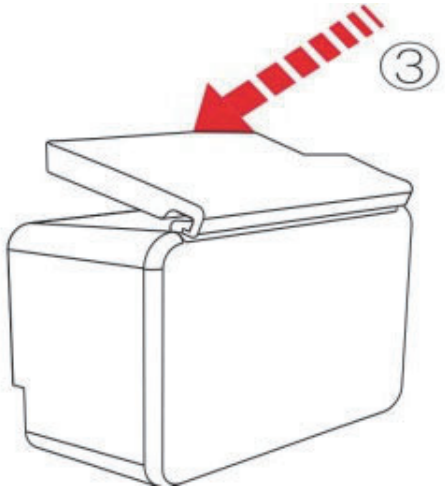
Battery Charger
1. Connect the camera to a USB power supply (5V/1-2A is recommended, fast charge is prohibited).
2. When the battery is charging, the charging status indicator will remain on.
3. When the battery is fully charged, the charging status indicator will be turned off.
Tips:
• Charging time: 4 hours with a 5V 1A power supply.
• Make sure the camera is down while charging.
• Before using as a dashcam, remove the battery and use a 5V/1A brand car charger. Maximize the battery life.If the battery level reaches 0% while recording, the camera will save the file and turns off the power.
To maximize battery life, follow these guidelines whenever possible:
• Turn off wireless connections such as WIFI, wireless microphones, etc
Shoot video at a lower frame rate and resolution
• Use screen saver Settings.

Waterproof Housing

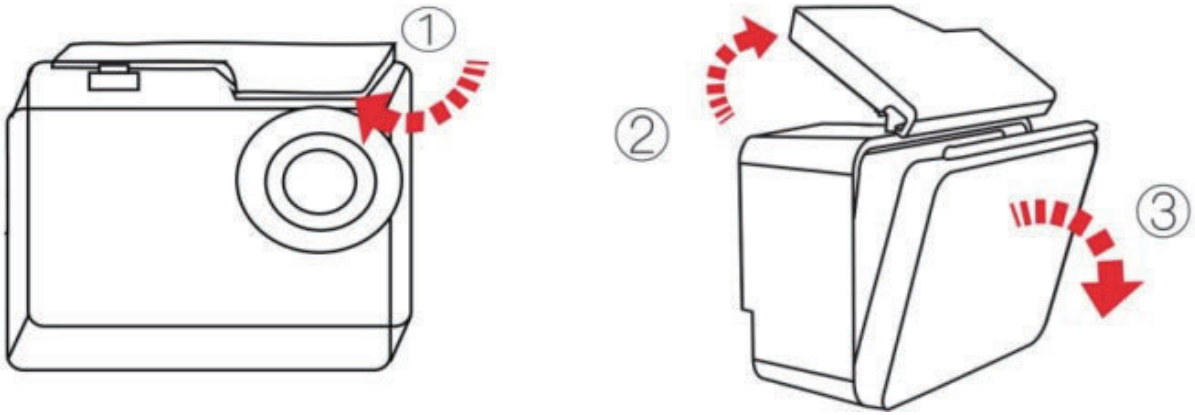
The waterproof housing is an accessory designed for diving, surfing, snorkeling and other water sports activities. The waterproof housing not only provides better water protection for your camera, but also provides additional dust, scratch and impact protection. Lightweight and easy to carry, high-quality PMMA materials give it high quality. Using a waterproof housing, you can record activities even under 30 meters of water without ruining the effect of the shot, the shooting content is clear and vivid, and your sports and photography effects will not be affected by anti-surf pressure.
Through this waterproof housing, the camera can also be easily connected to other accessories.

How to open the waterproof housing:
1. Open the black buckle on the top of the waterproof housing.
2. Pull up the black buckle on the top of the waterproof housing.
3. Remove the back cover of the waterproof housing.





How to close the housing to waterproof:
1. Push the back cover of the waterproof housing tightly to the main body of the waterproof housing, and ensure that the silicone ring of the back cover is fully close to the main body of the waterproof housing.
2. Pull down the black buckle on the top of the waterproof housing and lock it on the rear door.
3. Press the black buckle on the top of the waterproof housing.



Tips：

• Tear the protective film on the waterproof lens before shooting/recording;

• For better waterproof performance, the voice recording in the waterproof box will be weakened.

Waterproof housing use precautions：

• To take clear videos or photos, remove the lens protective film from the waterproof housing before use and protect the lens window after use to avoid scratches.

• Keep the white silicone seal on the camera case clean before sealing the waterproof housing, a single hair or grain of sand can cause a leak. You can close the case for testing without plugging in the camera. Submerge the box completely for about a minute. Remove the shell from the water, dry the shell with a towel, and then open the housing. If the interior is dry, it can be safely used underwater.

• Before sealing the waterproof housing, ensure that the waterproof housing is properly sealed before use. If the white silicone seal ring is found to be hardened, deformed or damaged, stop using the tank and replace it with a new waterproof housing in time.

• Please dry in time after use, otherwise the waterproof housing metal buttons will produce dust and reduce the waterproof performance. After use in seawater or near the sea, you need to rinse the outside of the housing with fresh water and then dry it. This will prevent corrosion of the hinge pin and salt buildup in the seal, which can lead to failure. Do not flush the inside with water

• When using the waterproof camera in winter, rainy days, underwater and other low temperature conditions, please do anti-fog treatment to avoid video blur. It is recommended to add anti-fog film; Insert the anti-fog film into the waterproof box to prevent the lens from fogging in low temperature or wet environment;

• Keep it safe against falls and high temperatures above 80°C.

• Waterproof housing are fragile products and we strongly recommend timely replacement of waterproof housing depending on the environment and frequency of use.

Roadjoy Product Three Guarantees Service Policy

Due to the failure caused by the quality of this machine, you can choose to return, replace or repair the product within seven days from the date of purchase. Within 15 days of purchasing this product, you can choose to replace it or repair it. Free maintenance service within 12 months of purchase of this product. Please contact the customer service staff of the shop where you purchased and we will provide you with after-sales service free of charge.

Accessories you buy (headphones, device housing, basic battery, button battery, cable, manual, CD, leather case, lanyard, packaging accessories, etc.) and auxiliary parts that are not covered by the warranty are not covered by the warranty.

Tips:

1. Can not enjoy the "Three guarantees service policy" situation: If you purchase this product belongs to any of the following circumstances, we have the right not to provide free services in accordance with the terms of the "three Guarantees Service Policy", you can choose paid services:

• Beyond the validity period of the three guarantees;

• Failure or damage caused by artificial fall, impact, and private disassembly of the host during use.

2.When you return the product, if the main machine is damaged and accessories loss are not in the scope of return.

3. Before receiving service, back up the data in the device to avoid loss during maintenance.

4. For discontinued produce products, to avoid user maintenance waiting time is too long, “Roadjoy” manufacturers can use product replacement (not lower than the performance of the original product) according to the situation, to provide warranty services for your faulty products that fall within the scope of warranty. The warranty period for products replaced by this method comes with the original product.

5. All products are delivered repair services, do not provide on-site service, and do not bear the transportation costs generated in the pL rocess of delivery repair.

6. The three guarantee service period of the product shall be calculated from the date of issuance of the valid purchase certificate. If the valid purchase certificate cannot be presented, the product is calculated from the date of delivery.

This service policy and special reminders are formulated in accordance with the national Regulations on the Liability for the Repair and Return of Microcomputer Products and are available when you need them.

To provide you with services accordingly. It is only valid for products sold in the People's Republic of China, and the final interpretation right belongs to the manufacturer of Roadjoy products.

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.

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

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 a 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction