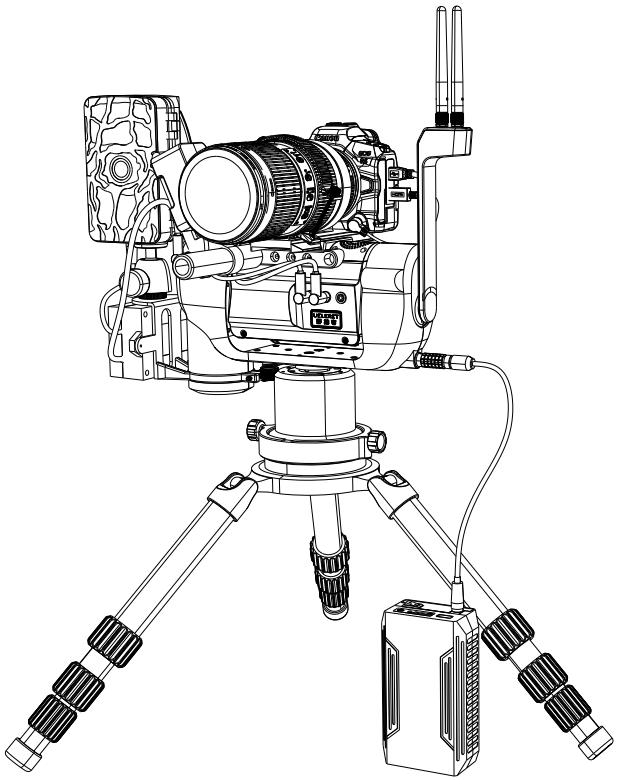
UELERET 野拍客

Canon version

Remote Camera Assistant mini and Infrared trigger version

Software operation and camera function setting instructions



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UELERET 野拍客

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Content

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Preface

Thank you for your trust in choosing UELERET Remote Camera Assistant mini. We will serve wholeheartedly for you.

The Remote camera assistant mini is a highly integrated smart device that controls digital camera shooting and smart gimbal movements through a handle and tablet.

When the signal transmission is unobstructed or slightly blocked, the distance between the camera and the operator can be 0-500 meters or 0-1000 meters.

1, This software operation manual is applicable to products:

Remote camera assistant mini (wireless communication distance 500 meters)

Remote camera assistant mini-Infrared Trigger Version

Remote camera assistant 1000 (wireless communication distance 1000 meters)

Remote camera assistant mini1000-infrared trigger version

2,The Remote camera assistant mini adds an infrared trigger kit,can be upgraded to infrared trigger version to be with auto capture function, bringing more convenience to shooting.

3, The user has purchased a Remote camera assistant mini, just need to purchase the infrared trigger kit to upgrade to mini-Infrared trigger version.

4,Then, the user pays to download the firmware from the official website of UELERET and purchase the communication package to upgrade to the Remote camera assistant mini1000. If the user has a Remote camera assistant mini-infrared trigger version, it will also be upgraded to the mini 1000-infrared trigger version.

5.The operating software APP used by the above products has the same interface.

6.The Remote camera assistant mini Pro version allows one host to control 1, 2or 3 mini smart gimbal for shooting. This installation and operation manual applies to the basic part of the Pro version of Remote camera assistant mini. The interface of the operating software APP is also different.

7.If the user has purchased a Remote camera assistant mini, pays to download the firmware from the official website of UELERET, and purchased related components to upgrade to the Pro version of the Remote Camera Assistant mini.

Composition and download of the manual

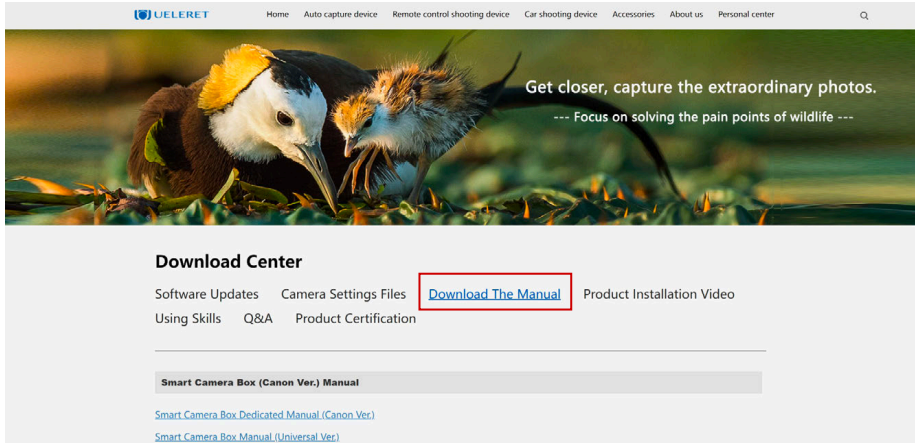
The Remote camera assistant mini instruction manual consists of three parts and is accompanied by demo video.

Manual	Demo video
1. Software operation and camera function setting instructions	Software operation demon video Canon camera function setting video
2. Installation instructions	Remote camera assistant mini (Canon version) step-by-step installation video
3. Instructions for use	No video

Manual (PDF format) and videos can be downloaded from UELERET official website

Website: http://www.ueleret.com

The official website download page is as shown in the figure: (Take U100 as an example, it will be changed after the official website is completed)



Special instructions:

1. Please be sure to read the instructions carefully, install and try it out in a convenient place several times, and become proficient in the installation and debugging methods.
2. If you cannot master it proficiently, it will take a long time to install and debug at the shooting site, which will affect the user to shoot during the best light period.
3. The Remote camera assistant mini is not a panacea. It is not suitable for all shootings. Whether to use it depends on the characteristics of the shooting object and the venue.
4. Canon brand cameras have independent requirements for function settings. Please follow the instructions in the manual to set the menu functions on the camera to prevent the camera from being unusable on the Remote camera assistant mini.
5. The camera firmware version is consistent with the camera version in the Remote camera assistant mini firmware to ensure optimal use of the camera by the Remote camera assistant mini. Only when both versions are the latest can the Remote camera assistant function at its best.
6. The Canon version uses Live View shooting mode for still photo shooting. In order to minimize the image transmission delay, the real-time display image displayed on the tablet uses lower pixels, which is not as clear as the LCD screen image seen when holding the camera. However, please don't worry, it is the camera taking the picture, and the clear and focused picture is stored in the camera memory card.
7. The Remote camera assistant mini uses a self-built 5G signal to realize communication between the smart gimbal, camera and tablet. Therefore, please ensure that the user is using it in a suitable environment.

a. In complex communication environments, such as cities, stadiums, large gatherings, towns, where there are many Wi-Fi signals, many and strong mobile phone signals, and near mobile communication towers, the communication signals of the Remote camera assistant mini may be interfered with , resulting in poor communication between Remote camera assistant and delays in using the device.

b. In environments far away from cities and towns, sparsely populated environments, and around rural areas, the communication conditions are relatively clean, and the Remote camera assistant mini will be smoother to use.

c. The further away from towns and in uninhabited areas, the smoother the communication of the Remote camera assistant mini.

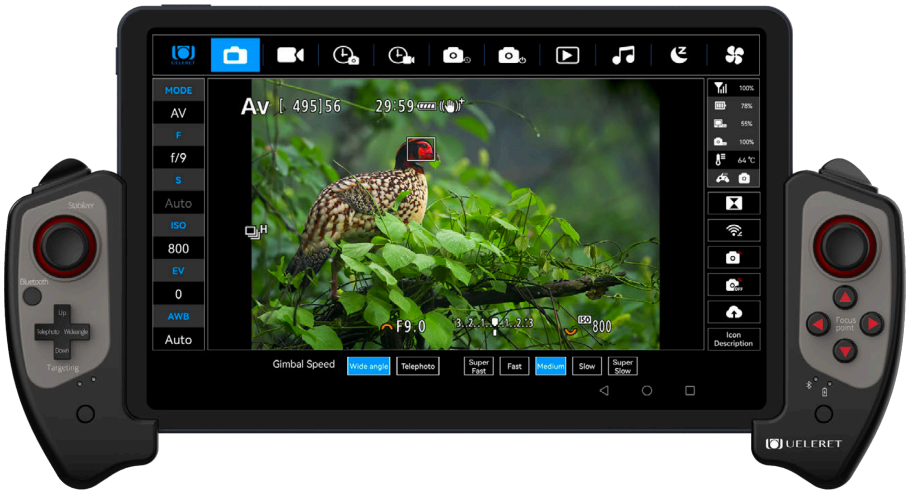
8. After installing the Remote camera assistant and camera, please choose a place with no obstruction or slight obstruction within a distance of 0-500 meters or 0-1000 meters between the two ends for operation, and the signal repeater should be at least 1 meter above the ground. If there is serious obstruction between communications, the transmission of communication signals will be blocked, resulting in reduced communication capabilities, increased delay, and the inability to capture the shooting target in real time.

Chapter 1 Description of components of software operation part

1. Component composition

It consists of a tablet,operating handle,signal transmitter,signal transmitter battery(12V), and battery charger.

Parts picture:



Tablet combined with operating handle

Operating handle

There may be slight differences in the appearance and icon printing of operating handles from different batches, but the functions and operation methods are the same.

Signal transmitter

Signal transmitter battery(12V)

Battery charger

Remote Camera Assistant mini and Infrared trigger version
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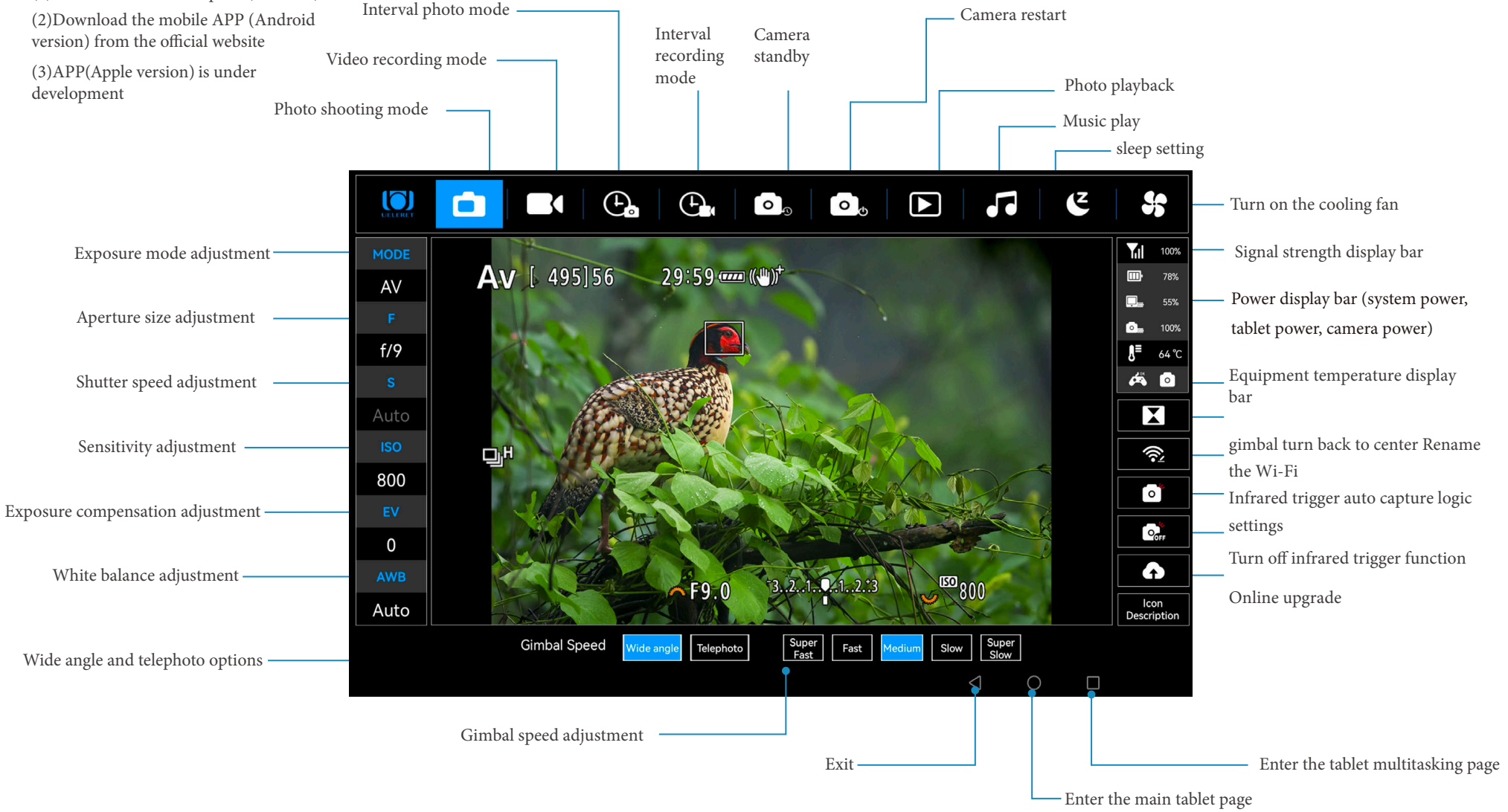
2. Software operation interface description

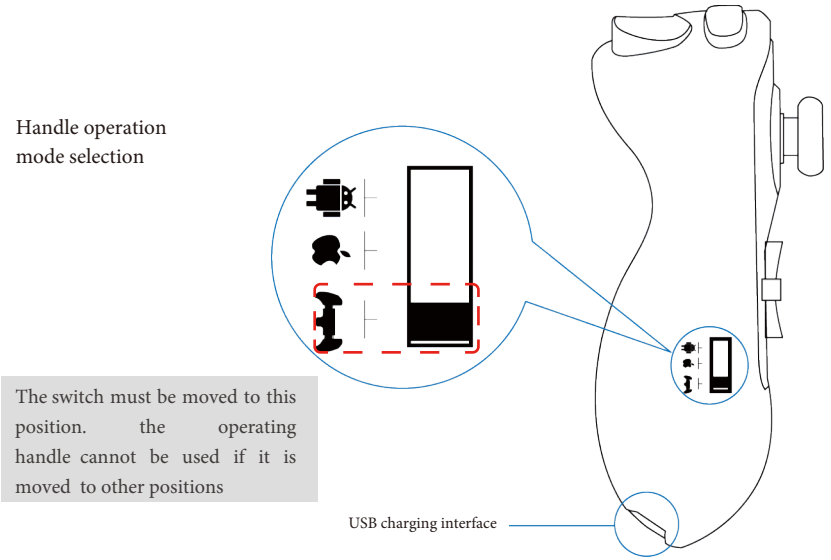
(1)Tablet interface description(Android)

(2)Download the mobile APP (Android version) from the official website

(3)APP(Apple version) is under development



3. Operating handle description



The switch must be moved to this position. the operating handle cannot be used if it is moved to other positions

4. Handle charging / Bluetooth connecting function

1) The operating handle uses USB interface for charging
2) During the charging process, the charging indicator light flashes and stays on when fully charged.
3) Set the operating mode： Set the handle operation mode switch to“ ”.

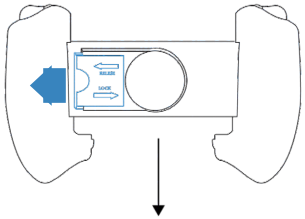
Tips:
The operating software is available in tablet and mobile versions. In the following description, the display of the tablet interface is used as an example.

Chapter 2 RCA mini C' APP and operation handle debugging program

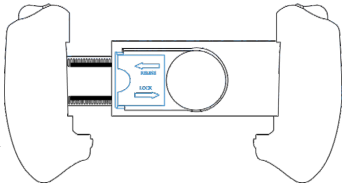
There are 8 steps as following:

Step 1: Open the hidden bracket at the bottom of the signal transmitter and place it on a suitable ground

Step 2: Clamp the tablet on the operating handle



For handle expansion and flat plate clamping, please refer to the following diagram:



1. Loosen the buckle on the back of the handle (follow the instructions of the blue mark in the picture on the right, outward to loosen the buckle and inward to lock the buckle), pull the handle outward with moderate force to expand the clamping width of the handle, and then tighten the buckle again.

As shown in the picture on the right, the handle is opened. Pay attention to the position where the width is 5-10mm smaller than the clamping plate, and lock the bayonet on the back.

2..As shown in the picture, pull the bracket to the left and right, and install the tablet from top to bottom. After the tablet is installed at the bottom, release it, and the handle will automatically clamp the tablet.

Step 3: Connect the transmission signal between the tablet and the smart gimbal

As shown in the picture below, turn on the tablet and click to turn on Wi-Fi. When you search for the hotspot named"联合阅光-***"click Connect and enter the original password 12345678. When you see the prompt "Signal Connected", it means the connection is completed. If you need to modify the Wi-Fi name, you can read the Wi-Fi naming instructions below.

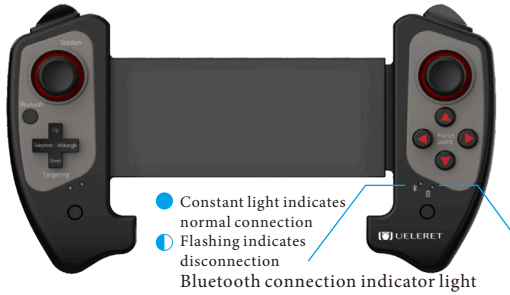
Step 4: Connect the operating handle to the Bluetooth signal

When using it for the first time,it needs to be paired first as following:

Set the handle operation mode switch to press the Bluetooth connection button, and the " " indicator light will flash quickly; turn on the Bluetooth function on the tablet device, click "Scan",and when the device name named"G912-9083S" is searched , select pairing connection; the connection is successful and the" "indicator light is always on. A tablet that has been successfully connected will automatically connect to the handle with Bluetooth turned on when its Bluetooth function is turned on.

*Note: After the initial pairing is successful, for subsequent use, you only need to turn on Bluetooth on the tablet, press the Bluetooth connection button on the handle, the Bluetooth connection indicator light on the handle will stay on, and the Bluetooth connection operation between the tablet and the handle is completed.

*If the indicator light does not display, it means that the connection is unsuccessful. You need to check whether the battery of the controller is insufficient and whether the Bluetooth of the tablet is turned on.



Step 5: Choose the camera and lens

After entering the login page, a lens specification selection table will appear. After selecting the lens in use, the system will automatically select the appropriate thrust to drive the zoom lens. Not only will the zoom speed be more appropriate, but also a silent effect will be achieved. If you are using a small-sized zoom lens such as 24-70mm, 16-35mm, etc., just choose the "within 70mm" lens.

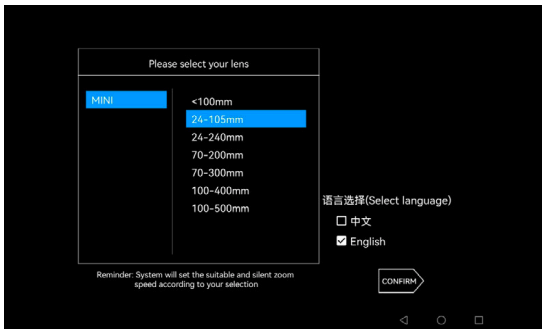


Illustration of the lens selection table interface of the operating software

The thrust required by the lens zoom adjuster to drive zoom lenses of different specifications:

1. When zoom lenses of different specifications are zooming, the lens zoom adjuster requires different thrust to drive the zoom lens. Different thrusts produce louder and smaller sounds.

2. The specific situation is as follows:

Lens model	Proper lens zoom thrust and sound						Remark
	Big thrust	Sound	Medium thrust	Sound	Small thrust	Sound	
70-200mm f/2.8					▲	Weak	Cohesive zoom
100-400mm f/4.5-5.6			▲	Light			Cohesive zoom
100-500mm F4.5-7.1			▲	Light			Cohesive zoom

3. Soft material zoom ring: inner diameter 40~84mm. When using short-throw lenses such as R5, R6/15-35mm/24-70mm/24-105mm, these lenses do not have lens brackets, and the quick release plate must be installed on the bottom of the fuselage. The R5/R6 has a relatively small body and is equipped with a zoom ring made of hard material, which will collide with the quick release plate when zooming. With a soft zoom ring, this won't happen.

You can download and watch the "Installation of Canon short throw lens" video from the official website, which has detailed demonstrations.

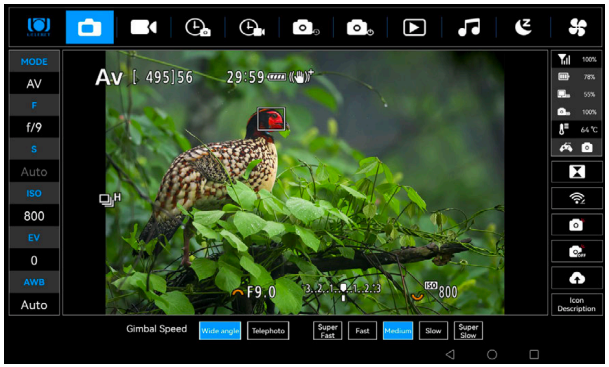
4. Manual focus will be used in the following situations:
(1). The contrast of the shooting background is very weak, the color difference of the subjects is very small, and the autofocus function is difficult to distinguish.
(2). Objects that require clear focus are interfered by many other objects, affecting focus.The autofocus function has difficulty focusing on the subject.

Therefore, the above situation will also occur when using the Remote camera assistant mini.

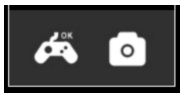
You can use the lens zoom adjuster as a focus adjuster, similar to the manual focus method. The same applies when using a fixed-focus lens, and the installation method is the same as the lens zoom adjuster

Step 6: Test the functions of the tablet to ensure they are all workable

Open the operating software [Remote camera assistant mini] APP installed on the tablet. The default screen of the APP is photo shooting mode, as shown in the figure below:



Please operate on the tablet in sequence and check whether the following parts are workable:
1. Look at the status bar on the right to check whether the Bluetooth and Wi-Fi connections are successful.
If the connection is not normal, the interface will flash a reminder in red as shown on the right. At this time, you need to check the corresponding connection steps to see if there are any errors:

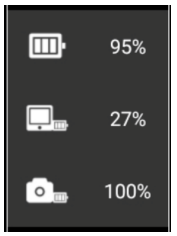


2. Watch the signal strength on the right side to check the signal strength.
As shown on the right, the corresponding signal strength percentage will be displayed. The higher the percentage, the stronger the signal.

(1) Signal strength shows the quality data of wireless communication between the smart gimbal and the signal transmitter.

(2) If the signal strength is lower than 20%, image transmission may not be smooth.

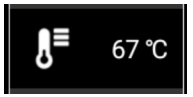
3. Check the battery status bar on the right to ensure sufficieitnt power As shown in the picture on the right, includes system power, tablet power,and camera power.



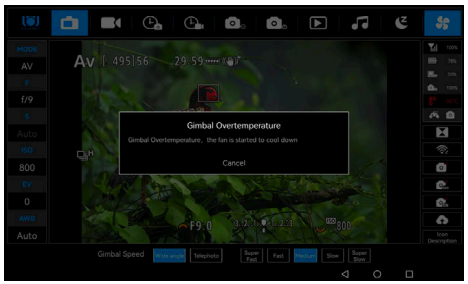
When the tablet's power is below 20%, it willautomatically enter power-saving mode and its imagedecoding capability will decrease, the screen will appearblurry and delayed, please charge it in time.

1.System power refers to the power supplied to the smart gimbal.
2.When using the UB-01 large-capacity battery, the maximum system power display is 50% until the power is used up. If a boardable smart battery pack is used, the system power display is the actual battery power.
3.Tablet battery: The actual displayed battery power of the tablet or mobile phone. If the battery level is shown below 20%, please charge the tablet in time.
4.Camera battery capacity: If the camera uses the original battery, it displays the actual battery capacity of the camera. If using a camera battery adapter, it will show 100%. Until the system power is used up.

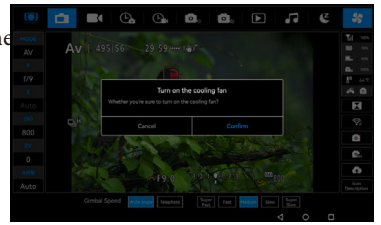
4. Equipment temperature and fan cooling

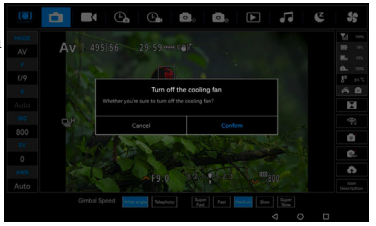


1. The ambient temperature of the Remote camera assistant mini is: 0-45℃. The device temperature displayed on the APP is different.
2. Equipment Temperature: The Temperature Displayed On The Remote Camera assistant mini operating software is the temperature of the integrated circuit CPU, the temperature of the CPU is displayed after the computer is turned on.
3. High temperature restrictions and warnings:
When the CPU temperature reaches 105℃ the operation interface will prompt "CPU temperature is too high, please stop using it."
Starting from 90℃ the color changes from yellow to red for warning. 90℃ - 95℃ yellow, 95℃ - 100℃ light red, 100℃ -105℃ deep red.
4. The mini gimbal is equipped with a fan for cooling.
(1). The fan stops when the gimbal is started. The icon color is white.
(2). When the gimbal CPU temperature reaches 95 degrees, the device will forcefully turn on the fan to cool down to ensure normal operation of the device. There will be a prompt on the lower right side of the APP "The device temperature has reached 95 degrees and the fan is on."

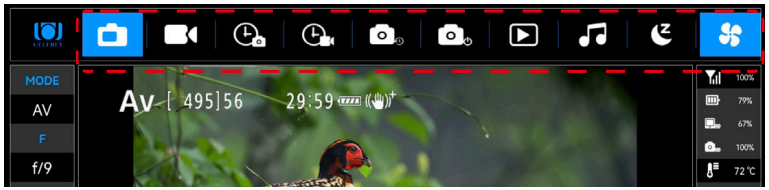


(3). When the fan graphic is white, it means the fan stops running; when the fan graphic is blue, it means the fan is running.
(4). If you need the fan to run, click the fan icon and select in the pop-up window. After confirmation, the icon will turn from white to blue, and the fan will turn from stop to on.
(5). If you need to stop the fan, click the fan icon and select in the pop-up window. After confirmation, the icon turns from blue to white, and the fan changes from running to stopped.
5. The fan makes a slight sound when running, and it is suitable for shooting scenes with high requirements for silence.
The user needs to choose to turn on and off the fan according to the temperature of the device.





5. Introduction to top function buttons
Photo mode, video mode, interval shooting, interval recording, camera standby, camera restart, photo playback, music playback, sleep setting, fan cooling are arranged in order, and check whether each screen is displayed normally.



6. The detailed introduction of function buttons is as follows:

【Photo mode】

(1). Move the shooting mode lever to the photo shooting position
(2). Open the APP and the default photo mode screen will appear;
(3). The picture displayed in the photo mode is [Live view], which is consistent with the picture seen on the LCD screen on the back of the camera body.

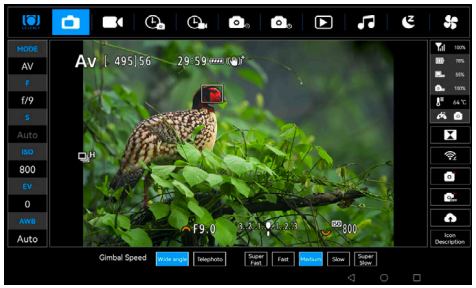
【Video mode】

1. Move the shooting mode lever to the position for video recording; for R5 cameras, press the MODE button and then the INFO button to enter the shooting mode screen and select the mode.
2. The frame size (pixels), animation quality, and file format required for recording video cannot be adjusted on the Remote camera assistant tablet and need to be set on the camera before shooting.

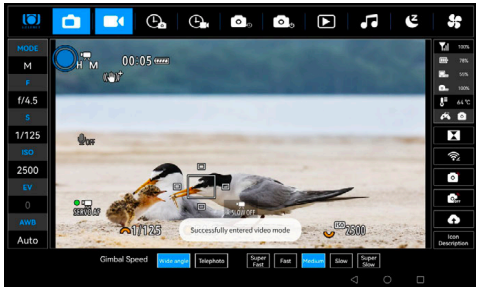
Switching between【photo mode】 and【video mode】

Remote camera assistant mini and infrared trigger version can switch shooting modes on a tablet. This function greatly facilitates the user's photography. In one shooting activity, according to the shooting ideas and needs, the two shooting modes of photo shooting and video recording can be switched remotely. The user does not need to move the lever on the camera body to switch shooting modes

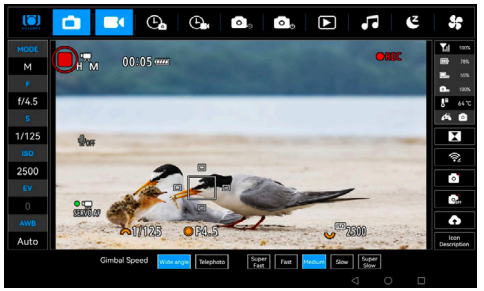
1. Requirements for switching shooting modes
   (1). The camera body must be set to photo shooting mode and cannot be set to video recording shooting mode.
   (2). Set to photo shooting mode, and the tablet APP can switch the shooting mode. The camera body is set to video recording shooting mode, and the tablet APP cannot switch the shooting mode.



2. Switch shooting mode operation and page description
(1). Camera body, set to photo shooting mode;
(2). The Remote camera assistant mini operation debugging was successful.
(3). [Photo mode] defaults to blue background.
Photos can be taken;
(4). Click [Video mode], [Video mode] changes to a blue background, and a blue circle appears at the same time; there is a text prompt below, "Video shooting mode switch successful" the shooting mode switch has been completed;



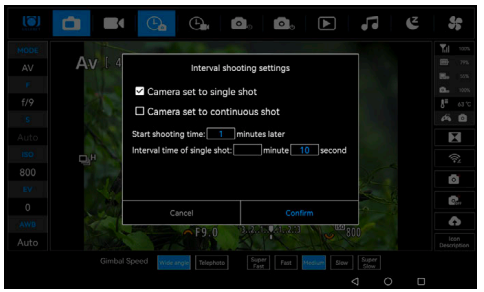
(5). Click [Blue circle] to change to [Red circle], red [REC] is displayed on the screen, and the time number for recording the video is displayed. Indicates that the video recording is successful.
(6). Click [red circle] and it will turn into [blue circle].
(7). Click [Video mode], [Video mode] blue background disappears; there is a text prompt below,"Video shooting mode exited successfully" shooting mode to switch to photo shooting mode.

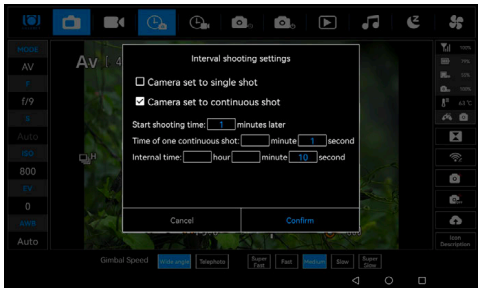


Special note: When using Remote camera assistant mini (wireless communication distance 500 meters/1000 meters) and Remote camera assistant mini -Infrared trigger version (wireless communication distance 500 meters/1000 meters) products, the shooting mode must be set on the camera body. For photo shooting mode. Switch to video recording mode through the operating on the software.

[Interval photo setting]

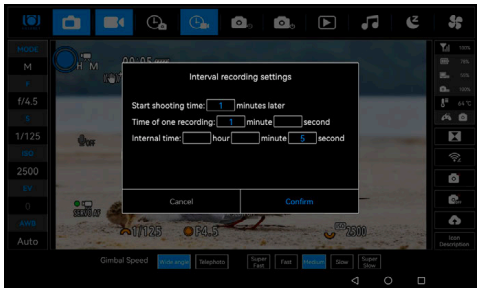
Click the interval photo setting button to enter the settings
1. Interval photo shooting defaults to continuous shooting mode.
2. There are two modes: "Set the camera to single shooting" and "Set the camera to continuous shooting". After setting, click Confirm to complete the setting;
3. After completing the settings and clicking Confirm, the icon for interval photography will be blue. If you need to stop shooting during interval shooting, click the icon, the icon will turn white, and interval shooting will stop. If you need to continue taking interval photo shooting, you need to reset the interval shooting logic.
4. In the single-shot mode of the digital camera, the interval shooting setting method is the same as that of the digital camera.
5. Added interval shooting settings in continuous shooting mode.
6. The interval shot photos can be compiled into time-lapse videos through software.





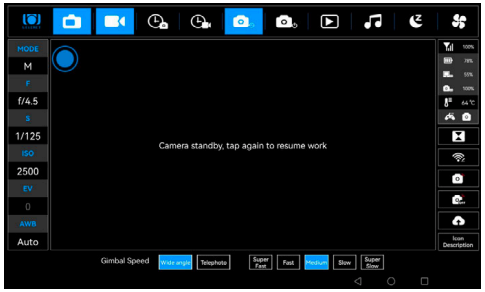
【Interval recording setting】

1. Interval recording can meet the needs of fully automatic video recording when unattended.
2. After completing the settings and clicking Confirm, the interval recording icon will be blue. If you need to stop shooting during interval recording, click the icon, the icon will turn white, and interval recording will stop. If you need to continue interval recording, you need to reset the interval recording logic.



Note: The interval continuous shooting and interval recording functions are functions developed for the Remote camera assistant mini. Digital cameras do not have this function.

【Camera standby】

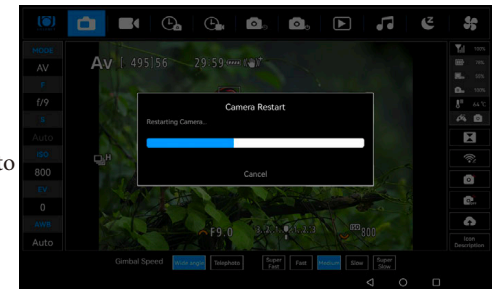


Click the button again and the camera returns to working condition. The purpose of this function is that when the user is resting and wants to quickly enter the shooting state, you can use this function. Helps the camera not heat up

【Restart camera】

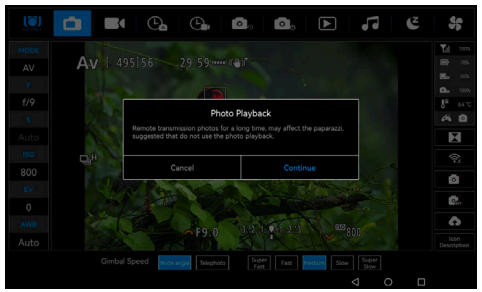
It should be noted that the [Restart camera] function can only be used when using a camera battery converter. If you use the camera's own battery, you cannot use the [Restart camera] function. Because the camera power supply is not related to the smart gimbal.

1. If the equipment is used for a long time, the digital camera and control system may experience program disorder and reduced response speed.
2. Restarting the camera will help restore the system and achieve device initialization.
3. After pressing [Restart camera], the camera will immediately restart.
At this time, there will be a pop-up window prompting: The camera restart has been completed. Please click Return to re-enter the software for normal use.

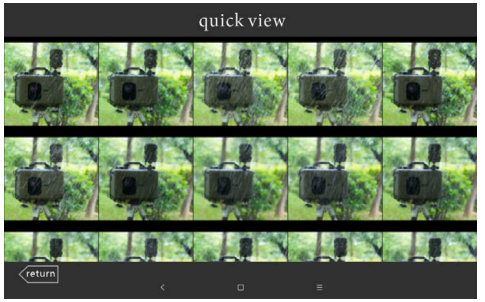


【Photo playback】

1. Helps the user to check the shooting effect.
2. You can only view photos, not videos.
3. Due to the high pixels of the photos and the large capacity of a single photo, the tablet displays a thumbnail for browsing.
4. Browsing thumbnails can only display the 100 pictures taken recently.



5. The browsing diagram shows that the transmission takes a long time. It is not recommended to use the photo playback function frequently as it may affect timely shooting after animals appear.



【Music play】

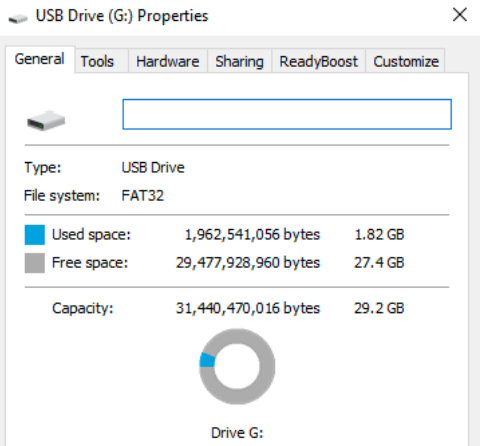
Click the [music play] button to play music. In wildlife photography, it can be used to lure animals to appear. If you think that the sound of the pan/tilt movement will affect the appearance of animals, you can also play the sounds of animals to cover it up.

1. Creation of U disk files for Remote camera assistant mini music playback.

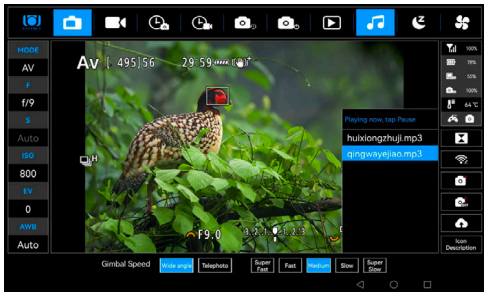
(1). The U disk . le system must be FAT32. or NTFS
(2). Create the folder 'audio' in the first root directory
(3). Up to four tracks can be stored;
a. English names are in lowercase.
b. Chinese tracks are also available, but there must be no spaces between the words.
c. There can be other folders in the U disk;

Tips: How to query the U disk file system?

① I nsert the USB f lash drive i nto the computer.
② Right-click the disk and click Properties.
③ See the picture on the right for the display properties page.



Note: The USB flash drive containing music tracks must be inserted into the right one of the two USB ports on the gimbal.



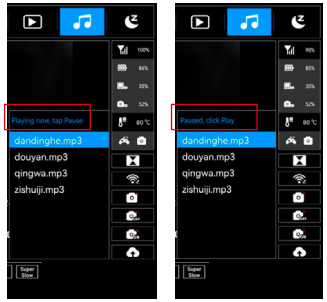
2.【Music play】Operation

(1). Click【Music play】, and the track interface will appear;

a.Four tracks will appear;

b.The default maximum volume will appear;

Chinese tracks



English tracks

(2). The default blue block covers the first track. And blue words appear on the black bar above the track interface: "Please click on the track you want to play."

a. Click on the first track or any of the other three tracks, and the music will start playing. Above the track interface.

b. At this time, the blue block covers the track being played;

c. Click "Now playing, click to pause", and the music being played will be paused; Th en on the track interface

(3). For the track that is covered by the blue block and is being played, if there is no subsequent click action, the music will not be paused and the single will be played in a loop.

(4). Click on the track that is not covered by the blue block. And the blue block will cover the track that was just clicked, and the track will start playing. If there is no subsequent click action, the music will not pause and the single will be played in a loop.

(5). The frequency of clicking the track cannot be too frequent. After clicking on a track, you need to stop for 5 seconds before clicking on a certain track. Clicking a track for less than 5 seconds will cause confusion in track playback. And you need to exit the APP or restart the gimbal (through the sleep s etting method) or turn off the power of the gimbal to stop music playback.

(6). Exit the APP and the music being played will stop playing. After entering the APP, run according to the above rules again.

(7). Turn off the power of the gimbal and the music being played will stop.

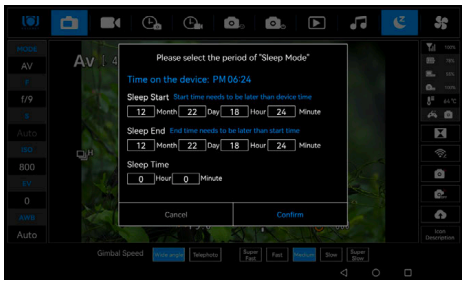
【sleep settings】 

1. The function of sleep setting function,
(1).Save power and the battery can be used effectively for a longer time.
(2).Timing off and on the power of the stabilizer can help the owner to shoot in the best light period.

2. Situations where it is necessary to set the Remote camera assistant mini to sleep mode: Set up the Remote camera assistant mini at the shooting location in advance instead of going to the scene to install the equipment before shooting. This can minimize the impact on animals and birds.
(1). For example, before 18:00 on the previous day, the user sets up a Remote camera assistant mini at the selected shooting location and sets it up.

3. The start time is 5:30 before sunrise the next morning. At 5:30, the Remote camera assistant mini will automatically turn on the power. The user can directly control the device remotely to shoot without having to set up the equipment. Avoiding affecting the animals can also save the user a lot of time and energy. If there is no sleep setting, the device starts running after being installed at 18:00 the day before. Although the device is not operated, the device will continue to consume power, and the remaining capacity of the battery may not guarantee sufficient shooting time the next day.
(2). After shooting in the morning when the light is good, the subsequent light is very strong, especially at noon, and the shooting effect is not good. The user hopes to start shooting at 16:00. There was a few hours of waiting time in between. If there is no sleep setting, the device will continue to consume power. When shooting starts at a suitable time in the aft ernoon, the battery capacity may not guarantee sufficient shooting time.
(3). During shooting, the user needs to stop shooting for a long time, such as eating and resting for several hours.

3.How to set sleep time
(1). Click [Sleep settings], the following picture will appear, and the settings are completed.
(2). After clicking [OK], once the sleep time is up, the Remote camera assistant mini will stop powering the camera, shut down the smart gimbal, and only retain The amount of power that can be turned on.
(3). When the sleep time ends, the Remote camera assistant mini automatically turns on the power, the smart gimbal starts running, and resumes transmitting wireless signals. At this time, reconnect the signal repeater, connect the tablet WiFi and handle, and operate the control device and camera.



4.During sleeping, the device's sleep state cannot be changed through the tablet, and the device cannot be controlled.
This is because there is no communication signal transmission at both ends. You must wait until the sleep time is over, the Remote camera assistant mini power supply automatically starts up, and the communication signal is available before you can enter the operation. Unless the user goes to the smart gimbal and turns on the power switch via a button, the device can be operated. However, this will affect the animals at the shooting site, and may disturb the animals and leave the shooting location, making it impossible to continue shooting.
5.After the gimbal restarts after hibernation, the operator must re-enter the APP before operation.
6.Things to note when setting the sleep time:
(1) Before setting the sleep time, the user must consider the sleep time according to the needs of shooting. So as not to delay effective shooting.
(2). Check the time on the tablet, mobile phone, and watch.
The tablet computer is outdoors in the mountains and may not be in the mobile communication network. Therefore, the time on the tablet may not be consistent with the actual time, it is best to check the time on the tablet with that of your phone or watch before setting the sleep time.
(3).There are two ways to check the adjustment time:

a. The tablet computer is connected to the mobile hot spot and connected to the 4G or 5G network, and the time can be automatically adjusted.
b. If there is no 4G or 5G network in the local area, you can directly adjust the time on the tablet to be consistent with the time on the watch.

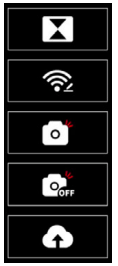
To set the sleep function, the following conditions must be met:
The camera is powered by a battery converter equipped with the Remote camera assistant mini, and is powered by a gimbal for remote sleep operation.
After successfully setting sleep for the first time, the software will prompt "You have already set the sleep time" when setting sleep again.
After sleeping, you need to wake up the camera.
After sleep time ends, the Canon camera's Live view will display a blue screen. This is because after the camera has been sleeping for a long time, the connection between the camera and the smart gimbal has been interrupted, and the smart gimbal needs to wake up the camera again.
How to wake up the camera:

1. Press the shutter button once to release the shutter. This will wake up the camera. Soon, "Camera Connection OK" will be displayed.
2. Click [Restart camera] to wake up the camera. "Camera connection is normal" will be displayed.

Note: When using the sleep setting function, interval photography and interval recording cannot be set at the same time. When the sleep time is over, the Remote camera assistant mini and the camera start to work again, the interval photo and interval video settings are effective.

7. Click on the lower right side in turn to test the function of each button

Each button is introduced as follows: Remote camera assistant mini The non-infrared trigger version cannot use the infrared trigger function.



gimbal back to center

Wi-Fi rename

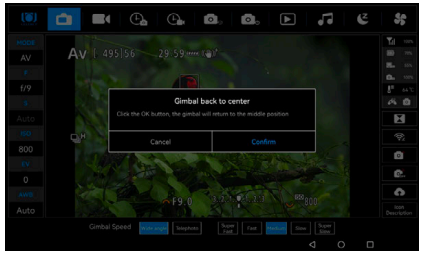
Infrared trigger automatic shooting

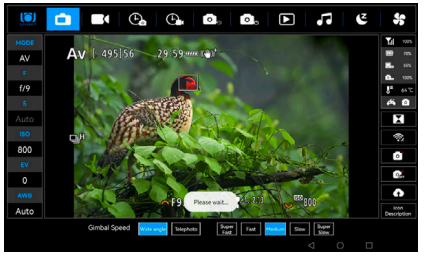
settings Turn off infrared trigger function

Software online upgrade

【The gimbal returns to center】

Click the [The gimbal returns to center] button, and after confirmation, the gimbal will automatically move and return to the initial position.



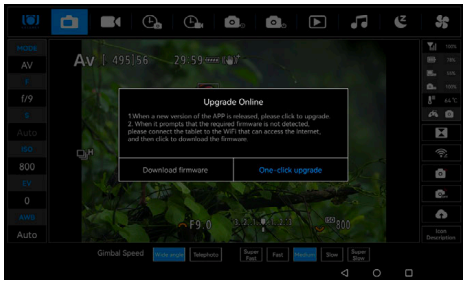


【Wi-Fi naming】

Through the Wi-Fi naming option, the user can set the Wi-Fi name to facilitate the user to identify the Wi-Fi signal name of his Remote camera assistant mini.

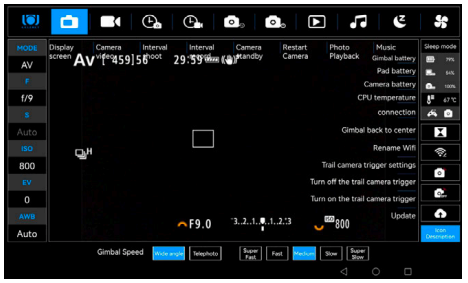
【Online upgrade】

When a new version of the APP is released, you can click one click to upgrade and connect the tablet to an Internet-enabled device.
After connecting to the WiFi, you can download the firmware upgrade



【Explanation of icons】

Click [Explanation of icons], and the name corresponding to each icon will be displayed on the screen to facilitate memory., Click [Explanation of icons], again and the text name will disappear.



8. Click the camera shooting parameter bar on the left, adjust each parameter in turn, and confirm whether it can be used successfully.

1) The camera exposure mode adjustment table lists the modes commonly used by photographers when taking pictures, as shown in the following table:
2) The display of camera adjustment parameter values is consistent with the parameter values of the camera model installed on the gimbal.

	Main adjustment items	Function Description
MODE AV	Exposure mode	P (Programmed automatic exposure) AV (aperture priority) TV (speed priority) M (full manual mode)
F f/18	Aperture size	All aperture values corresponding to the camera model
S Auto	Shutter speed	All shutter speed values corresponding to the camera model
ISO Auto	Sensitivity adjustment	All ISO values corresponding to the camera model
EV 0	Exposure compensation	All EV adjustable values corresponding to the camera model
AWB Auto	White balance adjustment	All white balance values corresponding to the camera model

3. The method of adjusting camera parameters is the same as the result of the user adjusting parameters using the camera. The exposure value will be displayed in the real-time display screen.

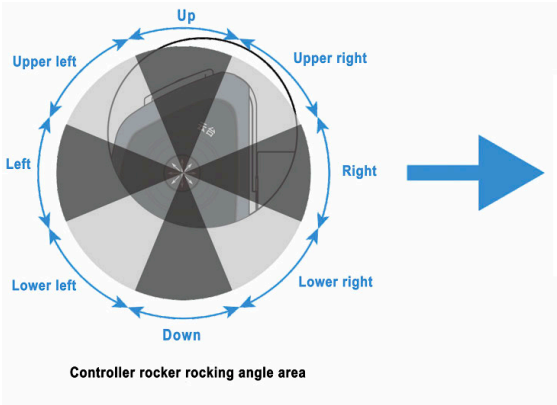
Please read Chapter 6 "Camera Function Setting Instructions"

Step 7: Test the operating handle to ensure it is functioning properly

1. Test the gimbal's horizontal rotation and pitch adjustment keys to check whether the main body of the smart gimbal rotates normally accordingly.

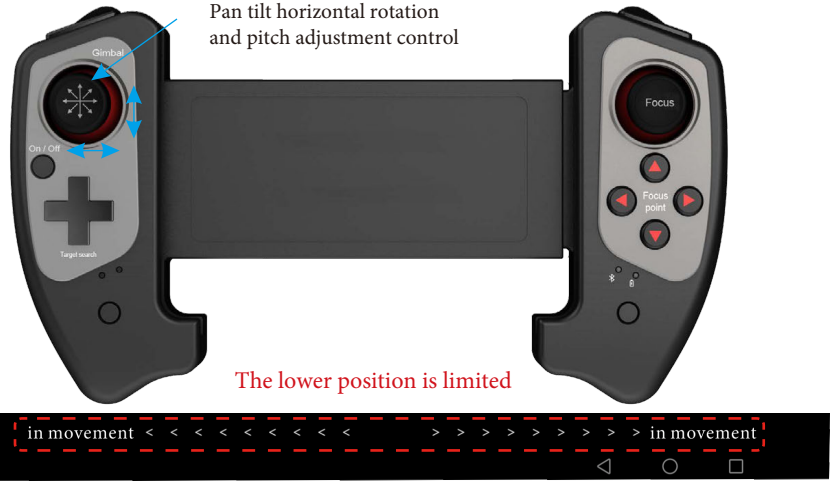
As shown in the picture, you can control the gimbal by moving the joystick, and you can control the camera lens to move in eight directions.
Movement (vertical upward, vertical downward, horizontal left, horizontal right, upper left 45 degrees, upper right 45 degrees, lower left 45 degrees, lower right 45 degrees).

As shown in the figure, the instructions for the user's rocking direction of the joystick corresponding to the movement of the camera lens are as follows:



Corresponding camera lens movement

2. Also check the tablet screen (the screen should switch to photo mode)
Whether the gimbal is rotating synchronously accordingly, when the horizontal rotation and pitch adjustment of the gimbal reaches the left/right end and the upper/lower end, there will be a prompt of "Left/right/up/down has been limited" at the bottom of the tablet interface.
3. The gimbal has five speeds for horizontal rotation and pitch: Super fast,fast, medium, slow, super slow.
Super fast,fast, medium, slow, are suitable for use with focal lengths within 300mm; fast, medium, slow, super slow are suitable for use with focal lengths above 300mm.
Fine adjustment is suitable for adjusting the focus point to a precise position and composition; it is fast and suitable for target search. he specific operation is as follows:



When the lower limit point is reached, the words "lower limit" will be displayed here. When the left limit point and the lower limit point are reached at the same time, the words "lower left limit" will be displayed here. he limits in other directions Same thing.

4. Smart gimbal speed adjustment operation instructions:
You can adjust the speed of the smart gimbal through the following methods.
As shown in the figure below, select different speeds through the five-speed buttons "Super fast,fast, medium, slow, super slow" at the bottom of the operation interface.

The APP sets the wide-angle end and the telephoto end, which refers to a high zoom lens. The panning and tilting speeds of the lens focal length are different between the wide-angle focal length and the telephoto focal length. The speed setting meets the requirements of the wide-angle large screen and the telephoto small screen.

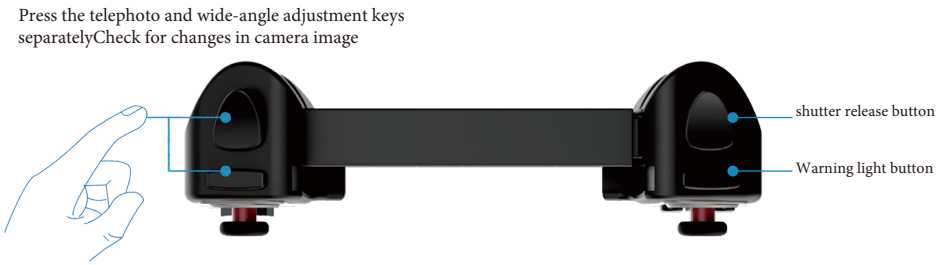
2,When the smart gimbal is in motion, shoot relevant action operations:

(1)When the smart gimbal rotates and tilts, the focus point moves, focus, shutter release, lens zoom, and warning light can all be operated at the same time.

(2)When animals move in straight lines left and right, vertically up and down, or diagonally up and down, effective shooting can be achieved through skilled and effective gimbal operation and other related shooting button operations. hat is, what ecological photographers often call panning and chasing shots can be achieved

(3)Press the camera lens zoom adjustment button (only for zoom lenses, fixed focus lenses cannot be used). Check whether the zoom component of the smart gimbal body is working properly. At the same time, check whether the real-time display screen of the tablet computer is also zoomed in and out accordingly.

illustrate:
(1). When the tablet is in any screen state, press the camera zoom adjustment button to realize the zoom function of the camera zoom lens.
(2). Real-time display mode allows you to directly observe the zooming in and out of the camera lens.
(3). The specific operations are as follows:



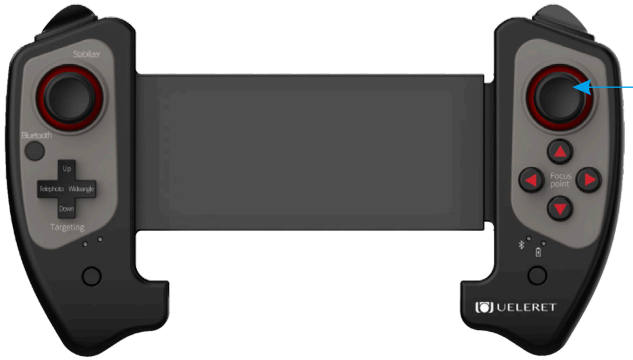
3. Moving the focus point and focusing:
Check whether the focus point on the tablet screen moves normally, and press the button to check whether the focus function is normal.

1. The screen switches to real-time display
2. The focus point movement buttons are in four directions. Each time you press, the focus point moves.
Characteristics of instructions issued by the operating handle:
(1). Press once to issue a command.
(2). If you keep pressing the focus point button, it will only be commanded once.

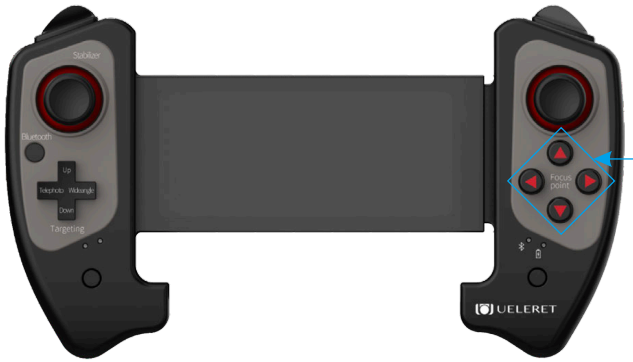
(3). If pressed 10 times in rapid succession, the handle will continue to send 10 commands. If the finger that presses quickly stops pressing, if the command has not been sent, the handle will continue to send the command for the remaining number of presses, and the focus point will continue to move on the screen. The reason is that there is a 2-5 millisecond lag between when the handle command is issued and when the camera transmits the image of the focus point movement back.
This is different from hand-holding the camera. On the camera body, if you keep pressing the focus point movement button, the focus point will continue to move. When your figer stops moving the focus point, it will stop.

2. When the handle operates any function, such as when the gimbal rotates and tilts, when the camera lens changes the focal length, it can focus and move the focus point at the same time.

3. The specific operations are as shown in the figure below:



Press the button vertically to focus on the point until focus is achieved (the color of the focus point will change)



Press once, the handle will issue a command once, and the focus point will move once.

5. Press the warning light button and check whether the warning light of the Remote camera assistant mini flashes normally

6. Press the camera shutter release button and check whether the photo taking function is workable.
(1) When the camera is set to single shooting, press the button and the camera will take a photo. Pressing the shutter button continuously will still take a single shot.
(2) When the camera is set to continuous shooting mode, press and hold this button and the camera will shoot continuously according to the set number of continuous shots. Release the button and the camera stops shooting.
(3) The number of consecutive shots and the speed of continuous shooting are related to the camera's image storage capacity and environment. This is the same as the description in the camera manual.
(4) The tablet operating software cannot adjust single shooting and continuous shooting. Th is function is a mechanical adjustment method on the camera body, so the software cannot set and select the function.
Therefore, before use, you must set the status of single shooting or continuous shooting (including slow-speed continuous shooting and high-speed continuous shooting) on the camera body in advance. When the handle operates any function, such as when the gimbal rotates and tilts, the camera When the lens changes focus, you can press the shutter button to release the shutter.
Camera shutter release button

Step 8: After testing, take the operating handle, tablet computer, and signal transmitter (including power supply) to the shooting location.

Chapter 3 Operation Instructions on the Shooting Site

1. Preparation matters for operating the shooting scene

(1) Determine the distance between the subject and the smart gimbal by visual judgment or using a rangefinder.
(2) Make sure there are no obvious obstructions between the installation location of the smart gimbal and camera and the antenna of the handheld tablet computer operating terminal.
(3) The photographer holds a handle and a tablet, which can be separated from the signal repeater. The effective distance of separation is within 100 meters.

① If the subject is within a safe distance from the user, there is no need to hide or block, and the owner will not affect the safety and movement of the subject, then the signal repeater can be placed next to the user.
② If the subject is not within a safe distance from the owner, that is, the owner needs to hide and block it so as not to affect the safety and movement of the subject, then the signal transmitter needs to be separated from the user's handheld operating handle and tablet.
③ The owner holds the operating handle and tablet and hides behind shelters and obstructions (such as in cars, behind woods, grass, rocks, etc.), and the signal transmitter is placed in an unobstructed position from the smart gimbal antenna. (It can be erected on a tripod, hung on a branch, or placed on a high rock mound, etc.) The separation distance should not exceed 100 meters.

(4) Check the signal strength through the tablet, and adjust the position and angle appropriately to achieve a strong signal state.
(5) After the signal transmitter is placed, open the App of Remote camera assistant on tablet and signal transmitter , repeat steps in the previous chapter to check whether the functions of the tablet and handle are normal.
(6) After all functions ready enter the shooting stage. Wait patiently for your subject to appear.
(7) If the tablet cannot display the image sent by the smart gimbal or the operation is not smooth, you need to check whether the Wi-Fi and Bluetooth connections in Chapter 3 are normal and whether the strength of each signal is normal. Check whether the tablet battery and the signal transmitter battery are normal. Check one by one until normal.
(8) When the power of the tablet is less than 20%, it will seriously affect the efficiency of image decoding, and the screen will suffer from delays and blur. At this time, it needs to be charged or connected to a power supply battery. While charging, the tablet can be used successfully.

2. Instructions for shooting control terminal

(1) When the subject appears, switch to the dual-screen screen, adjust the gimbal azimuth angle and camera focal length (only for zoom lens), so that the subject is at the ideal angle and position in the real-time display screen. At this point, as long as the exposure is appropriate, you can shoot.

(2) Or switch to the real-time display screen (the screen is larger), adjust the camera shooting parameters, adjust the gimbal angle, orientation, and exposure parameters. When it reaches the best state, press the shutter button to take a photo.

Chapter 4 Canon camera function setting instructions

Each brand of camera design has its own characteristics. The third-party so ftware may not be able to read and operate and adjust all camera functions and parameters.

1.Canon models suitable for RCA mini
(1) Compatible models : R3, R5, R6, R6 Mark II, R7,R8, R10. Both still photos and video can be taken.
(2) If user needs the DSLR camera to meet the operational use, it needs to be customized.

2.Software Update
(1)Please update the latest firmware on the Canon website. Some functions are available only after updating the firmware , otherwise new functions cannot be displayed and operated on the RCA mini C's APP.
(2)Only when the camera firmware version and RCA mini C' App version are the latest, can the RCA mini read the camera's settings and perform at its best.
(3)The automatic update function is set on the RCA mini 's APP, and if a new version of the software is available, a message will automatically pop up on the APP .
(4)When using the product, if the upgrade information automatically pop-up , you need to confirm whether the camera has been updated, if not, please do not choose to update for the time being.

3.The camera set up still image shooting in advance.
RCA mini C's app allows for remote switching of shooting modes. For Canon cameras set to still image capture mode, the app enables the switch to video recording; if the camera is configured for video recording mode, the app does not allow switching to still image capture mode.

4. Remote Camera Assistant mini (Canon version) still image shooting mode function implementation table

Examples of some models

Model			R5	R6	R3
Realtime display of shooting modes	Camera parameter adjustment	Exposure mode	OK	Single shot	OK
		Aperture size	OK	OK	OK
		Shutter speed	OK	OK	OK
		ISO sensitivity	OK	OK	OK
		EV Exposure compensation	OK	OK	OK
		White balance	OK	OK	OK
		Autofocus method	Unreadable, set up in advance	Unreadable, set up in advance	Unreadable, set up in advance
	Automatic face recognition		Yes	Yes	Yes
	Animal eyelid automatic identification tracking		Yes	Yes	Yes
	Focus point display		OK	OK	OK
	Touch tablet screen	Touch to move the focus point	OK	OK	OK
		Touch focusing	OK	OK	OK
		Single shooting	NO	NO	NO
		Continuous shooting	NO	NO	NO
	Handle operation	Move focus point	OK	OK	OK
		Focusing	OK	OK	OK
		Single shot	OK	OK	OK
		Continuous shooting	OK	OK	OK

5. Remote camera assistant (Canon version) movie recording mode function implementation table

Model			R5	R6	R3
Realtime display of Recording modes	Camera parameter adjustment	Exposure Mode	OK	Single shot	OK
		Aperture size	OK	OK	OK
		Shutter speed	OK	OK	OK
		ISO sensitivity	OK	OK	OK
		EV Exposure compensation	OK	OK	OK
		White balance	OK	OK	OK
		Autofocus method	Unreadable, set up in advance	Unreadable, set up in advance	Unreadable, set up in advance
	Automatic face recognition		Yes	Yes	Yes
	Animal eyelid automatic identification tracking		Yes	Yes	Yes
	Focus point display		OK	OK	OK
	Touch tablet screen	Touch to move the focus point	OK	OK	OK
		Touch focusing	OK	OK	OK
		Single shooting	NO	NO	NO
		Continuous shooting	NO	NO	NO
	Handle operation	Move focus point	OK	OK	OK
		Focusing	OK	OK	OK
		Single shooting	NO	NO	NO
		Continuous shooting	NO	NO	NO
	Function selection	Short film size	Nonselectable	Nonselectable	Nonselectable
		High frequency frame	Unreadable	Unreadable	Unreadable

Notes:

1. For different models of cameras, third-party software may not be able to read and adjust all the functions and parameters in the camera.
2. The autofocus mode can not be read at present, so you need to set their own customary focus mode in advance.
3. The compatible models can touch the focus, focus on the tablet. The focus button on the handle can also be used to focus.
4. After enabling the "continuous autofocus function" on the camera settings, the tablet displays the screen in real time, where the focus point moves to, the position directly focus, touch the screen also focus and focus at the same time.

6. Canon camera exposure mode on a tablet

1. Canon compatible models

Exposure mode	Remote camera assistant software shows		Camera screen display	
	Aperture	Speed	Aperture	Speed
P mode	Auto	Auto	Real-time value display	Real-time value display
AV mode	Real-time value display	Auto	Real-time value display	Press the focus button or press the shutter to display
TV mode	Auto	Real-time value display	Press the focus button or press the shutter to display	Real-time value display
M mode	Real-time value display	Real-time value display	Real-time value display	Real-time value display

2. For Canon R5/R6 cameras, in the two shooting modes of Live view and Movie recording, the display of the exposure item value on the left side of the tablet has the following characteristics:

a.When the camera is in aperture priority (AV exposure mode), after the aperture value is selected from the value in the list, the aperture value of the camera in the live view screen will be synchronized immediately, and the aperture value will also be synchronized immediately. A constant aperture lens will quickly appear as the maximum aperture value for that lens. If it is a zoom lens, it will be displayed as the maximum aperture value corresponding to the focal length of the zoom lens.

b.Switch from other exposure modes (AV/TV/P) to M exposure mode, the aperture value will display the maximum value of the lens being used :

(1) For fixed focal length lenses and constant aperture zoom lenses, the aperture value will display the maximum aperture value of the lens;

(2) For non-constant aperture zoom lenses, the aperture value will display the maximum value when the focal length is being used;

(3) After the aperture value is normally selected and adjusted in the list, it will be displayed as the selected aperture value.

c.Switch from other exposure modes to AV exposure mode, the aperture value will display the maximum value of the lens being used:

(1) For fixed focus lenses and constant aperture zoom lens, the aperture value will be the maximum aperture value of the lens;

(2) For non-constant aperture zoom lenses, the aperture value will display the maximum value when the focal length is being used;

(3) The aperture value can be adjusted normally in the list. After selection, it is consistent with the content described in this item a.

7. Canon camera exposure parameters display on the tablet

Model	Remote camera assistant software shows						Camera screen display		
	Real-time display of shooting modes			Short film recording shooting mode					
	Exposure compensation EV value	Sensitivity ISO	White balance	Exposure compensation	Sensitivity ISO	White balance	Exposure compensation	Sensitivity ISO	White balance
R5	Exposure compensation cannot be adjusted in M mode, other modes can.	Adjustable & Selectable	Adjustable & Selectable	Exposure compensation cannot be adjusted in M mode, other modes can.	In AV, TV, Bulb, P mode, sensitivity Auto, can not be adjusted; M mode sensitivity can be adjusted.	Adjustable & Selectable	Set value display	Set value display	Set value display
R6									
R3					ISO could be adjusted under M mode				

8. Focus point movement and focus characteristics in shooting mode and recording mode

Shooting mode	Touch panel PC	Handle operation keys
Real-time display of shooting modes	Precise positioning of the focus point after touching to move the focus point	The focus point is precisely positioned after the focus point is moved by the handle button
Recording mode	The focus point is not accurately positioned after touching the focus point to move it	The focus point is precisely positioned after the focus point is moved by the handle button

Note :

1. Photo of the shooting mode screen, touching the moving focus point can be accurately positioned because the size of the output screen is fixed; however, the area that can be touched and moved varies from model to model.

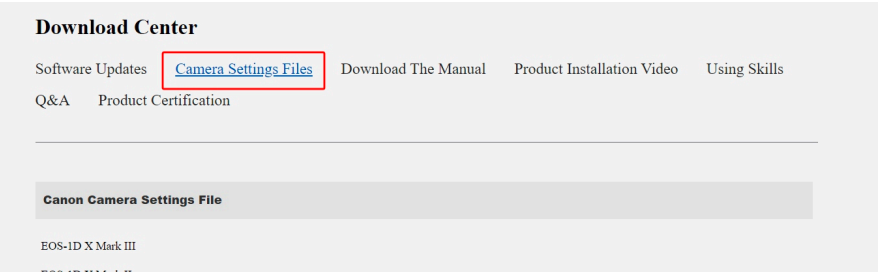
2. Recording mode screen, in the camera's video mode there are different animation size, corresponding to the output screen resolution is different, can not be adapted one by one, resulting in finger touch the focus point can not be accurately identified. Therefore, the way to move the focus point by the handle.

Chapter 5 Camera setup by copying

1. Download the file from the official website and copy it to the camera

UELERET copied the R3, R5 camera settings suitable for RCA mini Canon version use, and form the firmware, put on the official website. The user can download it from the official website, copy it to the camera memory card, and then load it into the camera. This makes it very easy to complete the camera settings. The R6 cameras do not have this function and require manual operation to complete the camera settings, please refer to the third part of the manual: Completing the camera settings by manual operation.

a. Enter the website of UELERET: www.ueleret.com.cn, select "Download" in the top navigation bar, then select the secondary menu "Camera Settings File Download".



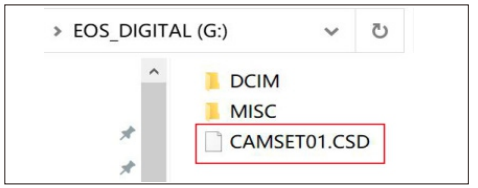
b. Select the appropriate settings file for your own camera, click on the download for a compressed file package form, after the completion of the download, please first decompress, you will get a camera-specific settings name of the file (note that before importing the memory card do not modify the name of the file, otherwise it will lead to the camera can not be recognized and thus lead to setting failure) the following illustration to 1D X Mark Ⅲ camera settings file as an example：

Compressed package illustration: 1628730162832473.zip

Unpacked file: CAMSET01.CSD

c. How to copy files from the computer to the camera memory card :

1.You must use a memory card that can be used by each camera model ;
2.First format the memory card through the camera ;
3.Insert the memory card into the card reader ;
4.Copy the file to the first window that appears in the root directory of the opened memory card. If the file is placed in a subfolder of the memory card, the camera cannot find the file.



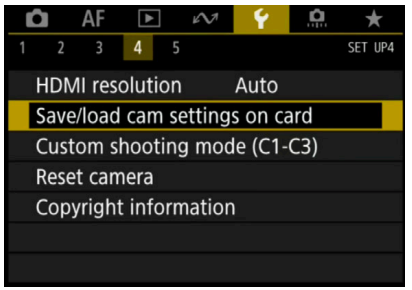
As shown on the left, the setup file needs to be placed in the first window of the root directory of the memory card.

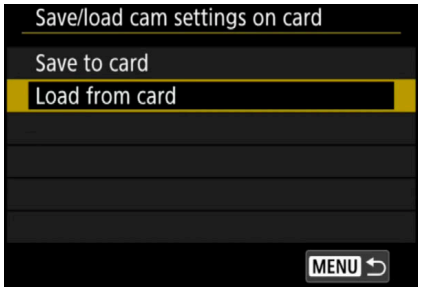
5. Insert the memory card with the camera settings file into the camera, and turn the camera on.

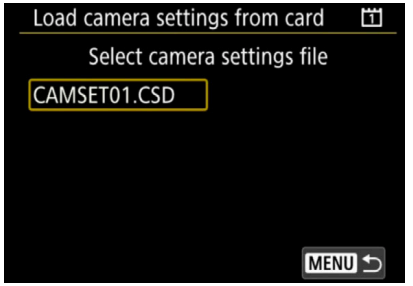
2. Camera load settings file from memory card

Operate as shown in the following illustration.

Taking the R5 camera as an example, picture of R5 camera loading from memory card to camera:







Note:
1.Canon cameras generate camera setup files with the same file name. Therefore, when downloading from the website to your computer, please be careful to make sure that the camera model you select when downloading the setup file from the UELERET website is the same as the camera model you want to set up.
2.Except for the third part of the manual settings, which cannot be changed due to the operating characteristics of the RCA, all other settings can be set in the way you are used to.

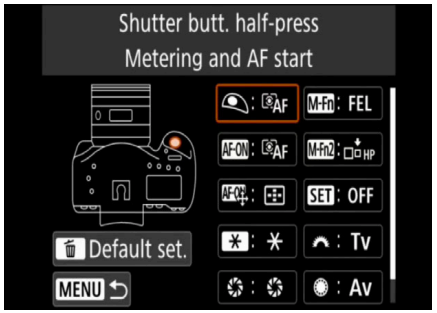
Chapter 6 Camera setup by manual operation

You can set up the camera by manual operation. Please follow the instructions below:

Canon mirroless camera settings
Settings in photo shooting mode (Take R5 as an example)

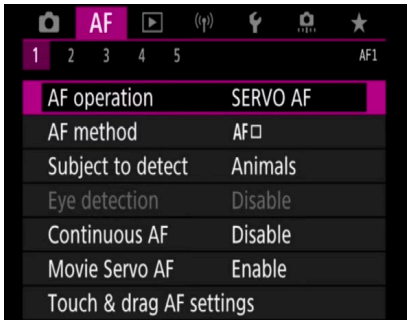
1. Camera custom settings: Half-press shutter and AF-ON settings

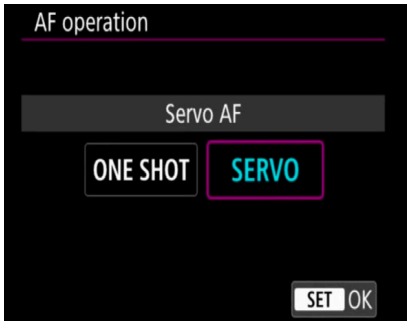
a. Half-press shutter setting, metering and AF-ON are selected as activated.



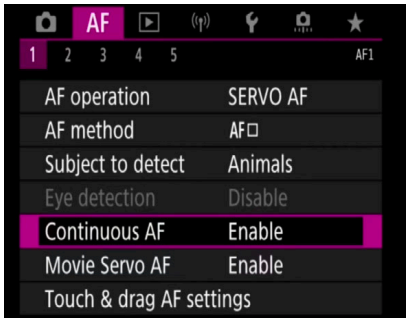
2. Camera set to photo shooting mode, the setting requirements for the autofocus content

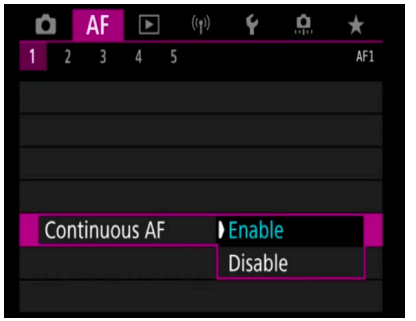
a. Servo autofocus is selected as enabled



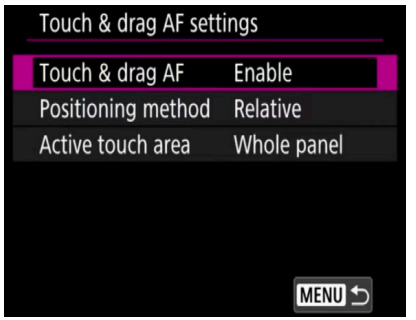


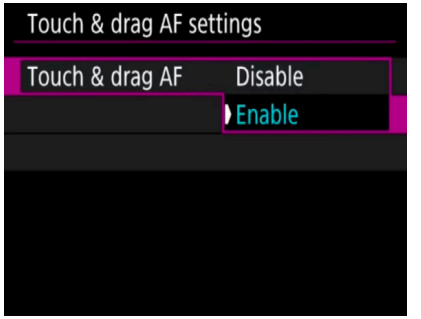
b. Continuous autofocus is selected as enabled



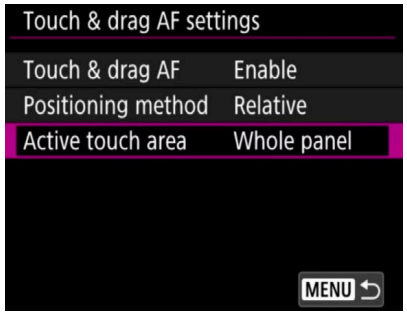


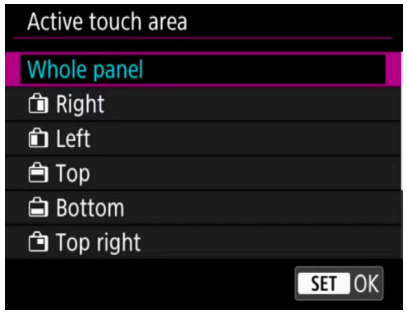
c. Touch and drag autofocus selection is enabled



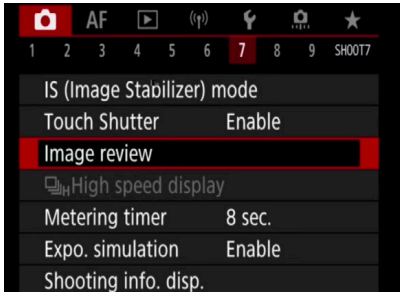


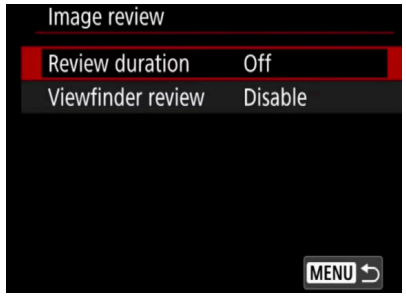
d. Touch and drag autofocus settings in the effective touch area selection for the whole panel.

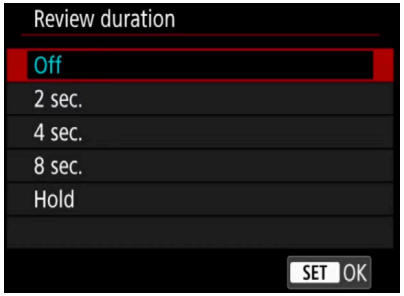




3. Image confirmation set to off



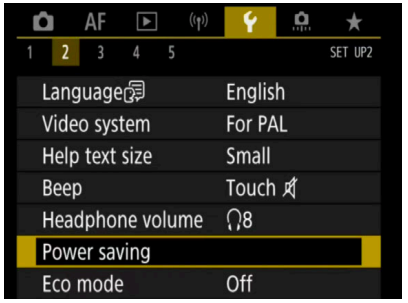


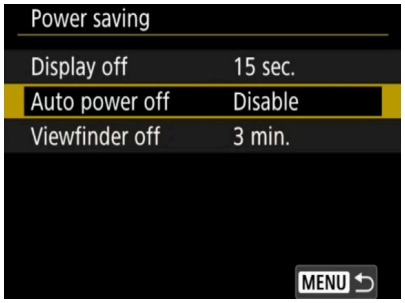


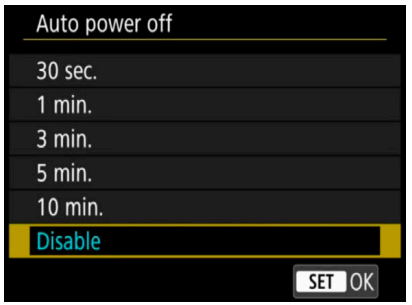
If the setting is in the display state (2 sec, 4 sec, 8 sec, continuous display) and the camera shutter is released to shoot, the screen on the tablet appears as a stagnant frame that is a view of the last photo. The focus frame is red and this time is not possible to move the focus point . You need to press the focus button to change the focus frame to white, then you can move the focus point and to focus. Therefore, image confirmation is set to off to help improve shooting efficiency.

4. The automatic power off in the power-saving mode set to off

To use this setting, the camera will not automatically turn off the power when shooting video remotely.

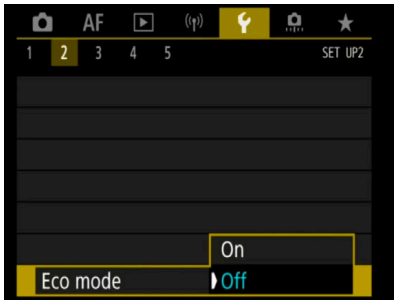






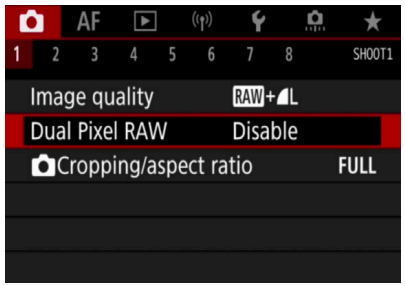
5. Power saving mode set to Off

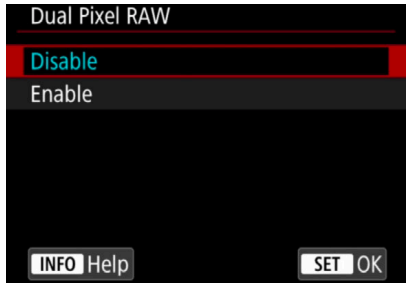
Use this setting, when remote shooting video, the camera will not enter the hibernation state, save the shooting due to enter hibernation (manifested as a real-time display screen will appear blue screen at regular intervals, you need to switch to other screens and then cut back to the real-time display screen to normal), mistakenly think that the signal interrupted or that the Remote Camera Assistant problems. Setting steps are as follows:



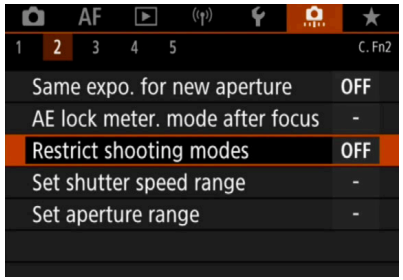
6. The full pixel dual-core RAW set to off

After setting to off, the drive mode can have super high-speed continuous shooting and high-speed continuous shooting optional. Setting steps are as follows:





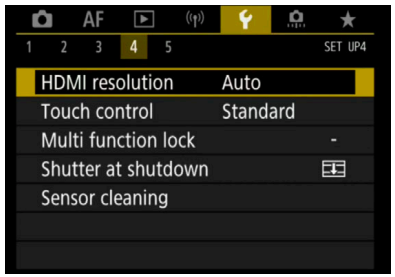
7. Restrict the shooting mode setting to off



When set in this way, both photo and video recording can be performed.

8. HDMI resolution setting to 1080p

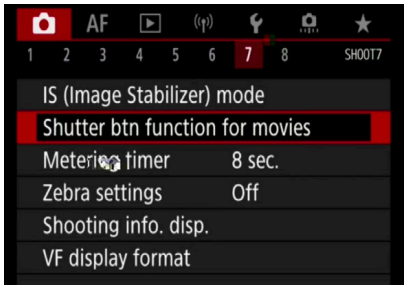
If the camera outputs a resolution higher than the pixel count of the tablet or smartphone display, the transmitted image may not be displayed. In such cases, if the camera offers lower resolution options, it is advisable to select a lower resolution. Using the R5 camera as an example:

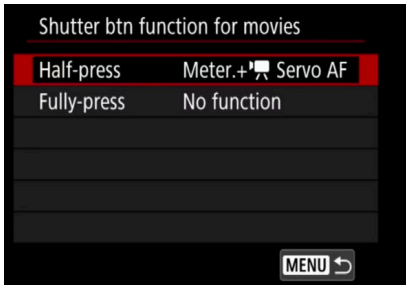


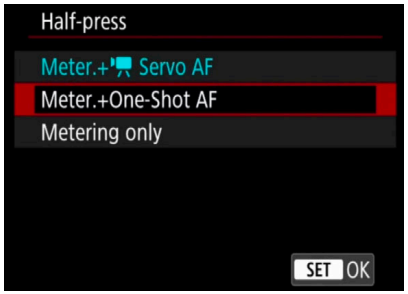
Setting of short film shooting mode

1. Setting the shutter button function in the movie shooting mode of the Canon camera.

a. Press the shutter button halfway to set [metering + single autofocus]. This allows you to use the servo AF method when operating RCA device, and the grip button can also focus.

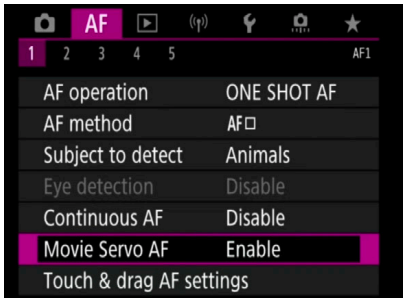


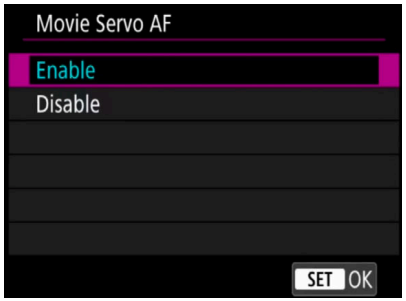




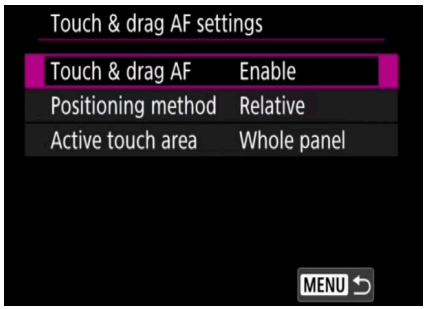
2. The requirements for setting the autofocus content for R5/R6 camera in the movie recording mode

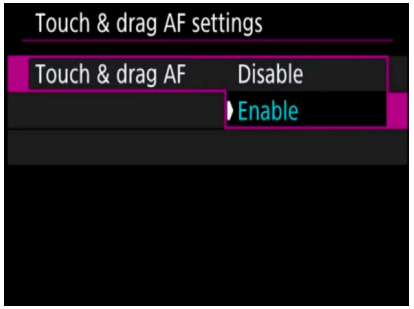
(1)Select Enable for Servo AF for movies.



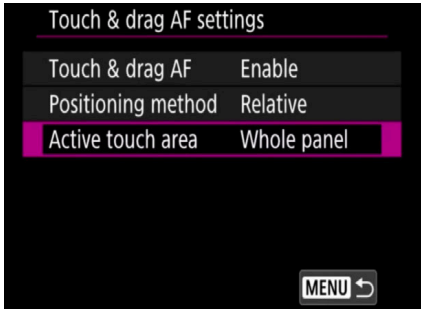


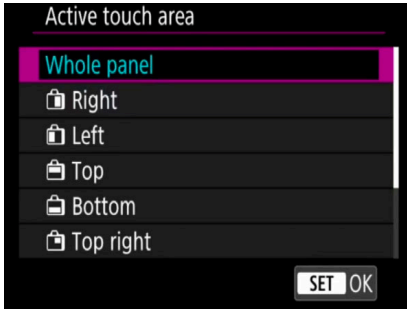
b. Touch and drag autofocus selection is enabled.





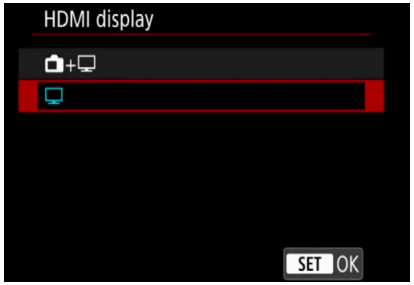
c. Touch and drag autofocus settings in the effective touch area selection for the whole panel.





3. In video recording shooting mode, tablet's screen can display the focus point setting

Follow the settings below to ensure that the focus point (white box) is displayed on the screen of the tablet when the camera is in movie recording shooting mode.



4. Overall, Canon mirrorless camera focus point shift, focus, shutter release operation status and camera setting requirements.

Shooting mode	Focusing method	Setting state	Touch panel PC			Handle button operation			Description
			Moving focus point	Focusing	Release shutter	Move focus point	Focusing	Release shutter	
Photo shooting mode	Continuous autofocus	ON	Yes	Yes	No	Yes	Yes	Yes	Independent of single servo focus or servo focus method
	Continuous autofocus	OFF	Yes	No	No	Yes	Yes	Yes	
Video recording shooting mode	Video servo focus	ON	Yes	Yes	No	Yes	Yes	Yes	Video shutter button function, set in [metering + single autofocus]
	Video servo focus	OFF	Yes	No	No	Yes	Yes	Yes	

5. Diagram of the movable focus point area of Canon mirrorless camera on RCA tablet

Photo shooting mode

Camera model	Real-time display of the area where the focus point is moved by touch in shooting mode.	Camera model	Real-time display of the area where the focus point is moved by touch in shooting mode.
R5		R6	

Note:

1. In the red frame area, the focus point can be moved by the handle button. You cannot move the focus point outside the red frame with the joystick button.
2. If you need to move the focus point outside the red frame during shooting, you can touch the position outside the red frame on the computer screen with your finger first, and then move the focus point to the desired focus position by operating the handle button.

Video recording shooting mode

R5 camera

Frame size	Operate the handle to move the focus point in the video recording mode	Frame size	Operate the handle to move the focus point in the video recording mode
8K-D		8K-U	
4K-D		4K-U FHD	

R6 camera

Frame size	Operate the handle to move the focus point in the video recording mode	Frame size	Operate the handle to move the focus point in the video recording mode
4K		FHD	

Note:

1. In the red frame area, the focus point can be moved by the handle button. You cannot move the focus point outside the red frame with the joystick button.
2. If you need to move the focus point outside the red frame during shooting, you can touch the position outside the red frame on the computer screen with your finger first, and then move the focus point to the desired focus position by operating the handle button.

Canon R3 camera settings

1. Display and operating characteristics of the R3 camera exposure item values on the left side of the tablet.

a. When shooting photo, the shutter speed value in the operation interface is always displayed as 30.

You can choose to adjust the shutter speed of the camera by operating the software. When the shutter speed value is selected, the camera's shutter speed will be adjusted to the selected value in the live display, and the speed value on the operation interface will be displayed simultaneously, but will soon return to the displayed value of 30.

Exposure mode	AV	TV	M	P
Exposure parameter	Aperture	Shutter speed	Manual	All auto
Aperture	Can change	Auto	Can change	Auto
	Display synchronized		Display synchronized	
Shutter speed	Auto	Actually can change	Actually can change	Auto
		Display 30	Display 30	

2. The shutter speed value in the operation interface is always displayed as 1/8 when shooting a movie.

You can choose to adjust the shutter speed of the camera by operating the software. When the shutter speed value is selected, the camera's shutter speed will be adjusted to the selected value in the live display, and the speed value on the operation interface will be displayed simultaneously, but will soon return to the displayed value of 1/8.

Exposure mode	AV	TV	M	P
Exposure parameter	Aperture	Shutter speed	Manual	All auto
Aperture	Can change	Auto	Can change	Auto
	Display synchronized		Display synchronized	
Shutter speed	Auto	Actually can change	Actually can change	Auto
		Display 1/8	Display 1/8	


3. The display of the value of the exposure item on the left side of the tablet in the two shooting modes of live display and video recording has the following characteristics:

(1). When the exposure mode is M, the exposure compensation (EV value) gray overlay is not adjustable; it is adjustable in all other exposure modes.

(2). When the camera is in aperture priority (AV exposure mode), the camera aperture value on the left side of tablet is synchronized immediately after the value in the aperture value selection list, and the aperture value on the left side of the tablet is synchronized immediately, but is quickly displayed as the maximum value for that lens aperture value.

(3). Change from other exposure modes (AV/TV/P) to M exposure mode, the aperture value of the operation screen will show the minimum value of the lens being used:

a. Fixed-focus lenses and constant-aperture zoom lenses, the aperture value will show the minimum value of the aperture value of the lens;

b. For zoom lenses with non-constant aperture, the aperture value will show the minimum value at the focal length being used;

c. The actual value of the camera may not be that value;

d. The aperture value can be adjusted by normal selection in the list.

(4). When switching from other exposure modes to AV exposure mode, the aperture value in the operation screen will show the maximum value of the lens being used:

a. Fixed-focus lenses and constant-aperture zoom lenses, the aperture value will be the maximum value of the lens aperture value ;

b. Non-constant aperture zoom lens, the aperture value will show the maximum value when the focal length is being used;

c. The actual value of the camera may not be the value;

d. The aperture value can be adjusted by normal selection in the list.

(5). In the ISO sensitivity selection list, there are sometimes two Auto settings, one at one at the other, and clicking either one will set the sensitivity to Auto.

2. Canon R3 camera settings

This is the same as the settings in R5

Part 4 Other usage requirements and questions answered

1. Requirements for the installation and use of battery converters

Canon cameras have restrictions on the use of non-original batteries, and need to read the correct protocol of the battery before the camera can be used normally. The battery converter developed by UELERET has avoided the restriction, but it does not exclude the occasional situation that the camera is not recognized for use without power.

Therefore, the user is recommended to follow the procedure below.

Take the U/DR-E19 battery converter as an example to illustrate the installation and use procedures when installing the Remote camera assistant:

1. The camera power switch is OFF;
2. The U/DR-E19 battery converter into the camera body battery compartment, locking;
3. The U/DR-E19 battery converter power cable into the corresponding power connector of the smart gimbal;
4. turn on the power of the smart gimbal;
5. turn on the camera power switch to ON state.

At this time, the camera can be used normally.

If the power switch of the camera is turned on before and the power of the smart gimbal is turned on after, the camera will not be able to use if the power level of the camera is only one frame. This is because Canon cameras have restrictions on the use of non-original batteries, and it is necessary to read the correct battery protocol before the camera can be used normally. If the camera shows only one cell, please follow the above procedure again.

Special Notes:

When using the remote control mode of Remote camera assistant to operate the timer shutdown appointment start function, the user does not have to worry about whether the camera can be used properly. Remote camera assistant will ensure that the smart gimbal in the scheduled shutdown time after the end of the reboot, the camera normal use.

2. How to update the camera firmware

When the camera firmware version is not consistent with the Canon official website version, you need to update the firmware.

(1) download the latest firmware package.

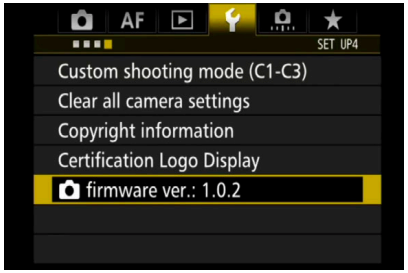
(2)The steps for updating are as follows:

Copy the update file to the CF card (or CFast card)

① Log in to the Canon official website, select the corresponding camera model, and download the latest firmware package.
② The upgrade steps are as follows:

a, Insert the CF card (or CFast card) formatted by the camera into the card reader.
b, Copy the firmware update file to the first window that appears when the CF card (or CFast card) is opened (root directory).
* If the firmware update file is placed in a subfolder of the CF card (or CFast card), the camera cannot find it.
c, Take the CF card (or CFast card) out of the card reader.
* When removing the CF card (or CFast card), be sure to follow the steps described in the computer or card reader instructions.
d,Rotate the mode dial to select the <P> mode (or some other mode except the fully automatic mode).
e, Insert the CF card (or CFast card) with firmware into the camera.
f, Turn on the power switch, then press the <MENU> button to display the menu.

g. Rotate the Main Dial and Quick Control Dial to select the "Firmware Version xxx" (at the bottom of "Setting 4 (Yellow)"), then press the <SET> button.



h. The firmware update screen appears.
Turn the Quick Control Dial to select OK, then press the <SET> button.
Start the operation from step (5).

*If the firmware update screen does not appear on the LCD monitor, it may be because the firmware update file is not properly copied to the CF card (or CFast card) so please try again from step (1).

3. On the camera real-time display screen, touch to focus but the focus box is not allowed to appear or jumping.

[Manifestation] When touching the focus in the camera's live display photo mode, the focus frame does not match the finger touch position .

[Analysis] It may be that the wrong focus mode is set on the camera.

[Solution] You need to set a mode other than auto-tracking focus on the camera in order to use the touch focus function normally.

4. The Canon camera touch focus is inaccurate, and the focus frame is not accurate when the handle is moved.

[Manifestation] When using the Canon camera, the focus frame is inaccurate when the handle is moved in the real-time display photo mode; in the short film video mode, the touch focus is inaccurate.

[Analysis] Touch focus and grip move focus frame have their own scope of application.

[Solution] In the live display photo mode, the touch focus prevails; in the video mode, use handle to move focus frame prevails.