

User manual

Thank you for purchasing our Wi-Fi camera. Please read this manual carefully so as to exert its maximum performance and prolong the service life of the product.

This user manual has used screen display and illustrations, etc., in order to introduce this product more specifically and directly. Due to different batches of technical research and development and production, these displays and graphs may be a little different from the digital camera actually used for you. Please refer to practical function of the camera.

Overall introduction of product

This product uses chip of high performance, also equipped with high resolution camera, able to record high-definition video and take high-definition photo. With excellent built-in wireless wifi function, the APP software control can be used, which adds more splendors for practical experiences.

Application field: Cycling, skiing, surfing, car racing, climbing, parachute jumping, gliding, and other extreme sports and sports events of outdoor downhill and other special environment, such as aerial photo, portable media shooting, and so forth.

Notes

In order to ensure the proper working of products, to play the best performance and to prolong its service life, the following matters ought to be observed:

- ◆ Camera is avoided to be exposed to scorching sun for a long time, lest normal service life and performance of the relevant components are affected.
- ◆ Water or sand is avoided into the camera, lest water, sand, dirt or salt composition may do damage to the camera. Housing should be used for protection when necessary.
- ◆ Maintenances ought to be conducted with cleanness and dryness when the camera is in care. It should not be put in places of high temperature, moist or dustiness, away from the chemical corrosive materials.
- ◆ If there is any dirt or stain accumulated on camera, please use soft and clean cloth to gently wipe. If there are grains of sand on camera or lens, you can gently blow it away, and cloth is avoided to wipe randomly, otherwise the surface of the camera or lens may be scratched.
- ◆ It is avoided to use organic solvent to clean the camera, lest to damage the appearance and performance.
- ◆ The camera supports SD card extension. Please use the authentic Class4 and high speed card above it. The SD card ought to be formatted before use.
- ◆ The camera has an external battery, and over-voltage over-current battery charge is not suggested, lest accidents occur.

Parts diagrams



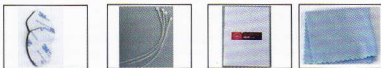
Housing Adaptor Fixed seat Base 1



Adaptor bracket 1 Adaptor bracket 2 Bandage
Helmet holder



Base 2 Bicycle stand Charger Battery



3 M glue Ribbon Specification Wiping cloth



Data cable

1. Functional diagram of appearance



- | | |
|-----------------------------------|--------------------------------|
| ① Shutter/confirm button S | ⑦ Buzzer |
| ② Working station indicator (red) | ⑧ Mini USB/AV output interface |
| ③ LCD status display screen | ⑨ Micro HDMI interface |
| ④ Wi-Fi status indicator (red) | ⑩ TF card interface |
| ⑤ Power/mode selection button | MIC |
| ⏻ | Wi-Fi switch W |
| ⑥ Charging status indicator (red) | Battery back cover |

Attention: when the camera is closed and charging, status indicator light shows as follows:

Status indicator is on when charging

Status indicator is off when the charging is completed

2. Introduction of LCD display status

2-1. CLOCK settings



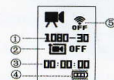
- ① Setting of year
- ② Setting of month and date
- ③ Settings of hours/minutes/seconds

S : The implementation of cursor switchover

⏮ : Execution time/date setting (only the increase of the value)

⏭ : Switchover to the next mode

2-2. VIDEO mode:



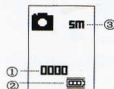
- ① Current resolution ratio status: 1080 p / 720 p/VGA
- ② Circulation video status: OFF/ON
- ③ The remaining time span of video
- ④ Battery
- ⑤ Wi-Fi state: OFF/ON

S : The start/stop of video

⏮ : Openness/closeness of Wi-Fi

⏭ : Switchover to the next mode

2-3. CAMERA mode:



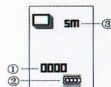
- ① Current pictures
- ② Current state of charge
- ③ Current photo resolution: 2 M / 3 M / 5 M / 12M

S : Picture-taking

⏮ : Non-execution of any function

⏭ : Switchover to the next mode

2-4. BURST mode



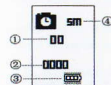
- ① Current pictures
- ② Battery
- ③ Current photo resolution:

S : Picture-taking

⏮ : Non-execution of any function

⏭ : Switchover to the next mode

2-5. LAPSE mode



- ① Delay time (unit: second)
- ② Current pictures
- ③ Battery
- ④ Current photo resolution:

S : Picture-taking

⏮ : Non-execution of any function

⏭ : Switchover to the next mode

2-6. SETTING



- ① MOVSIZE
- ② CLIPTIME
- ③ IMG SIZE
- ④ BURST
- ⑤ TIMELAPSE
- ⑥ FORMAT
- ⑦ RESET
- ⑧ TV

S : Confirmation

⏮ : Down selection (down cycle)

⏭ : Switchover to the next mode or return to the setting interface


Attention: The above display icons will vary because of your camera's status.

3. Introduction of basic operation

3-1. Power ON And OFF



Power on: Press on  for a second and release it, the screen shows SPORTS DV 4 seconds later.

Power off: Continue to hold on  for 3 seconds and then release it, and the display screen shows SPORTS DV, which means that DV is turned off


3-2 Mode overview


SPORTS DV has a variety of shooting modes, and there are following modes when pressing


on 

-  5ET Clock
-  Video
-  Camera
-  Photo Burst
-  TimeLapse
-  Setting


3-3. Video

To record video, you should first confirm whether the camera is in video mode , as

shown in the icon or interface of 2-2, otherwise you should repeat pressing on  until the video mode displays.

Start recording: Press on and release , and red state Indicator will keep flickering.

Stop recording: Press on and release , and red state Indicator will stop flickering.

Wi-Fi function: Press  momentarily, and Wi-Fi indicator on means that Wi-Fi is enabled;




Press  momentarily again, and Wi-Fi lights off mean Wi-Fi has been closed.

Note: (1) detailed use of wife please sees the introduction of section "4" function


(2) SPORTS DV will automatically stop recording when the memory card is stuffed or the battery runs out. Your video will be automatically saved before shutdown

Attention: As to how to modify the video resolution, you can see introduction of MovSize in "mode-setting" of menu flow chart

3-4. Camera

To take photographs, you should firstly make sure that camera settings are shown in CAMAERA mode  or interface displayed in 2-3. If the camera screen does not display  icon, you should repeat press on  until the camera mode is displayed.




Take a photo:

Press on and release , and red status Indicator of camera will keep flickering.

Attention: As to how to modify the photo resolution, you can see introduction of ImgSize in "mode-setting" of menu flow chart

3-5. Photo Burst

In mode of Photo Burst, the camera can take more pictures instantly

To snap burst pictures, you should make sure that the camera is in Photo Burst mode  or interface shown in 2-4. Even if there is no burst icon  on camera screen, then to repeat press on  until there are continuous shooting mode.




To grab the burst photo:

you should click , and red status Indicator of camera will keep flickering..


Attention: As to how to modify the interval setting of burst, you can see introduction of Burst in "mode-setting" of menu flow chart

3-6. Time Lapse

A group of photos can be continuously shot by Time Lapse's interval of 0,5,10,30 and 60 seconds.

To take a group photo of delay, you should make sure the camera is in time lapse mode  or the interface shown in 2-5. If the camera screen does not display  icon, you should repeat press on  until the camera mode is displayed.

Start shooting of time lapse:

Press , and camera will display a countdown when a photo is taken and red indicator will flicker.



Stop shooting of time lapse:

Press , red status indicator will stop flicker, which means the end of time lapse shoot.





Attention: As to how to modify the interval setting of delay, you can see introduction of LAPSE in "mode-setting" of menu flow chart

3-7. Setting

Setting can be conducted by enter the menu settings





You should ensure that the camera is in the settings mode of menu. If there is no  icon on camera screen or it is not in interface shown in 2-6, then to repeat press on  until the icon appears.

3-7-1. The settings of resolution:

- (1) Conduct down circle and mobile choice of MOVSIZE by using 
- (2) Move into video resolution setting by pressing 
- (3) After entering, press  to choose the resolution you want to have, and then you press  to confirm the exit





Attention: There are 1080-30 FPS, 720-60 FPS and 720-30 FPS for video resolution to choose from, and system default of VGA - 30 FPS is 1080-30 FPS

3-7-2. Settings of loop video:

- (1) Conduct down circle and mobile choice of CLPTIM by using 
- (2) Move into loop video setting by pressing 
- (3) After entering, press  to choose the fragment of video you want, and then you press  to confirm the exit





Attention: Loop video can be shut down, that is, not to cycle. 1M means a minute per fragment; 3 M means every 3 minutes per fragment and 5 m means 5 minutes per fragment. The default system is OFF.

3-7-3. The resolution settings of photo:

- (1) Conduct down circle and mobile choice of IMGSIZE by using 
- (2) Move into picture resolution setting by pressing 
- (3) After entering, press  to choose the resolution you want, and then you press  to confirm the exit





Attention: There are 12M,5M,3M and 2M of photo resolution to choose from, and system default is 5M.

3-7-4. Burst settings

- (1) Conduct down circle and mobile choice of BURST by using 
- (2) Move into burst setting by pressing 
- (3) After entering, press  to choose the speed you want, and then you press  to confirm the exit

Attention: burst shoot can be set as three kinds of speed of OFF, LOW, MID and HIGH.

3-7-5. The setting of time lapse shoots

- (1) Conduct down circle and mobile choice of TIMELPSE by using 
- (2) Move into time lapse shoot setting by pressing 
- (3) After entering, press  to choose the delayed speed you want, and then you press  to confirm the exit

Attention: Time-lapse shoot can be set as 0, 5,10,30, 60 seconds.

3-7-6. Formatting

(1) Conduct down circle and mobile choice of FORMAT by using

(2) Move into FORMAT by pressing

(3) After entering, choose YES by pressing, and then you press to confirm the format, and the display of doing means that it is in state of formatting.

Attention: Before using formatting, users should back things up. If any file is lost or damaged, the company shall not bear any legal liability.

3-7-7. Factory default settings

(1) Conduct down circle and mobile choice of RESET by using

(2) Move into factory default settings by pressing

(3) After entering, choose YES by pressing, and then you press to confirm the factory default setting, and the display of RESTTING means that it is in state of factory default setting.

3-7-8 TV system switchover

(1) Conduct down circle and mobile choice of TV by using

(2) Move into system switch by pressing and choose NTSC or PAL by pressing

(3) Press again to confirm the exit

4. Wireless Controls

The Wi-Fi wireless network module built-in camera can support smart phone connection of APP.

Opening and closing of Wi-Fi can be controlled via pressing Wi-Fi button.

In video mode, switch can be achieved by press, and the status light of WIFI will be on.

After the opening, will be switched to, and the Wi-Fi is in an open status, waiting for the connection. At this time, you shall set your phone as WLAN, and select SPORTDV_WIFI. Please enter the password of 0123456789 for the first connection, and the APP controller should be open after a successful connection.

For the download address of IOS system, you can search Alpha imaging in the APP store to download, or download by scan the corresponding two-dimension code on the package

For the download address of Android system, you can search AIT WIFI Cam Viewer or WIFI Camera App in the Google store to download and install the software on the phone, or download by scan the corresponding two-dimension code on the package

After a successful installation, please find the icon on phone, and you can see the diagram as below after open it:



① Language selection - it supports 18 languages (IOS only supports English and Russian)

② Camera control- 1. You can set the name of WFI and password of WIFI connection 2. You can set the image resolution, photo resolution, openness and closeness of movable detection, white balance, exposure value, and the time set in camera should be synchronized with that on mobile phone currently

③ Camera preview - It can achieve real-time preview and control camera video and photographs.

④ Camera file browser- it can browse the contents of the TF card directly, and it can copy the contents of the TF card to the mobile phase, and at the same time you can delete unwanted video, file and pictures

⑤ Local album - you can browse content copied from the TF card, video on APP of phone and the content of APP snapshot, and at the same time you can delete unwanted video, file and pictures.

5. Interface usage

5-1.The use of USB data cable

5-1-1. Connect the computer. With a specially equipped Mini USB data cable, you can connect it to the computer according to the corresponding interface, with operations of copy and deletion of data, and so on.

5-1-2. Charge. With a dedicated Mini USB data cable, you connect the equipped charger and charge the battery for the camera.

Note: Please use a dedicated Mini USB data cable

5-2.The use of high-definition line

Using a standard HDMI high-definition line, you connect display devices supporting HDMI display. Turn on the camera, and the display device will automatically identify the camera, and reads the data in memory card of camera. Connecting the HDMI in VIDEO mode, you can read the VIDEO file. Connecting the HDMI in CAMERA mode, you can read the image file.

Press  to perform function of down selection

Press  to perform function of validation

Note: Partial display devices can perform high-definition display function properly only in HDMI mode, and correctness of setting should be confirmed.

5-3.The use of AV line.

This product supports image transfer function in real-time and can be used for scenes which needs AV output, such as aerial photo.

In boot state, using equipped AV line, you connect FPV transfer picture equipment according to the definition of lead, so that real-time video transmission can be realized

In the process of AV figure pass, using original AV line, charging and video can be realized simultaneously

5-4. The use of the interface of Micro SDTM (TF)

According to the marked direction of interface, the SD card is forcefully inserted into the camera.

In order to guarantee fine speed for data storage, storage stability and service life, please use genuine SD card above class6, lest data is lost.

6. Optional accessories



Three rubber headbands Car adhesive discs High-definition line Car charger



Charger



Chest strap



Dedicated AV output line

Thank you for using our products!