Action camera (DV)Specification

Thanks for choosing our HDMI action camera.
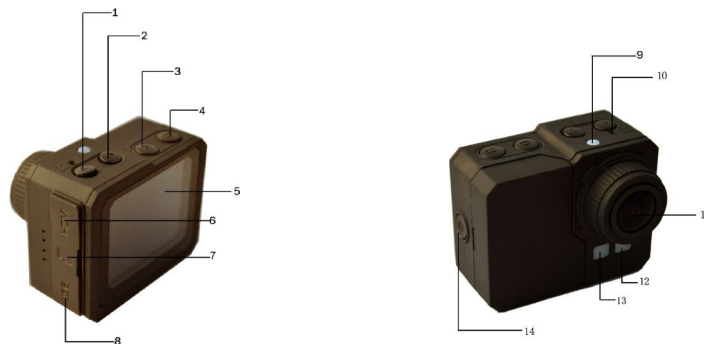
Main Characteristc:

（1）　The lastest CPU of　Sunpuls Taiwan , CMOS image sensor 500W.

(2)　Waterproof 60 maters, suitable for all kinds of extreme weather outdoor.

(3)　Connected with cell phone by WIFI, and operate by APP,which support Andriod and Apple IOS system.The cellphone can control ,preview,play the video files,They stored in the camera or phone . Video and images can share to social website timely.

(4)　Small volume, light weight and portable

(5)　Full HD 1080P 20FPS video.

> The camera can also take vertical image when its body reversed 180 degrees.

> To use the camera correctly, please read this manual first carefully (The design or specification change won't be notified separately.)

Product Structure:

1. Up button/ menu button(press for 3s to open)/shrink button

2. Down button/Enlarge button

3. shoot button/ up button for mode switch/ playback setting button(press for 3 seconds to enter)

4. recording button/down button for mode switch/ WIFI shortcuts (press for 3 seconds to open)

5. 2inch HDMI Panel

6. HDMI interface

7. TF card

8. USB interface

9. Video/photo red light indication

10. MIC microphone

11. Camera lens

12. Charging yellow light indication

13. WIFI blue light indication

14. Power button/OK button

DV Direction for use:

一．Battery charge

Charge from computer by USB.When charging,yellow light works,Finishing, the yellow light closed automatically.The charging time is about 4.5 hours.

二．TF Card:

TF card: The camera requires 4GB and above TF card （Max support 32GB）,Speed is CLASS6 and above

When using TF card for the first time, please connect with computer to format it, That will delete all the data on the TF card permanently, including your protective video, and cannot be restored. Therefore, before formatting TF card, please backup important data.

三．Sealing DV

Waterproof case can make the action camera works underwater 60 meters (180 inches).When using in the rain or damp environment ,you must use PODZ to seal your machine in order to protect it.

Note:

1. It will cause damage to the machine if the sealing is not correctly. The damage due to this case by the user is not included in the scope of the warranty.

2 In the environment of humid or underwater,the machine is protected by the sealing rubber inside of the PODZ.So you must keep the sealing rubber clean, the injury caused by hair,sand or grains can lead to leaking.

3.Every time after use in salt water, you need clean the outside of the product and the sealing rubber and then dry them in the air. If not,the product would be corroded and can't be sealed.

四．Recording

Press the power button for 3 seconds to start the machine. press the record button to open the video recording function, and press it again to turn off. then enter the standby state. (when video working state the red light flash)

Before recording, choose the resolution you need by the menu（1920*1080P 30FPS/1280*720P 60FPS/1280*720P 30FPS）.

五．Shooting

Press the shoot button conversion to photo mode, Press shoot button to take photo. then enter the standby mode(The red indicator light flash one time when take photos)

六．Playback mode

Press shoot button enter playback mode, Then check current video and photo,press up/down button to preview.

七．HDMI output

After connecting HDMI output, It enters into current mode automatically. You can view videos, photos and do menu Settings .

八．WIFI connection(Connect via Android system or Apple APP by WIFI)

Hardware requirement:

CPU: 1G dual-core   RAM: Above 1 GB

The video will be more fluency while the hardware level is higher.

System requirement:

Android 4.0 and above   IOS 6.0 and above

Software installation and update:

APP download and update: Use Google play to download linkineyes for Android system and use APP store to download linkineyes for Apple system. Download ismart DV to install and updated.

WIFI

Press the record botton for 3second to open WIFI ,

There is showing "Waiting for WIFI connection" on the screen.then press the record button for 3s to turn off WIFI.

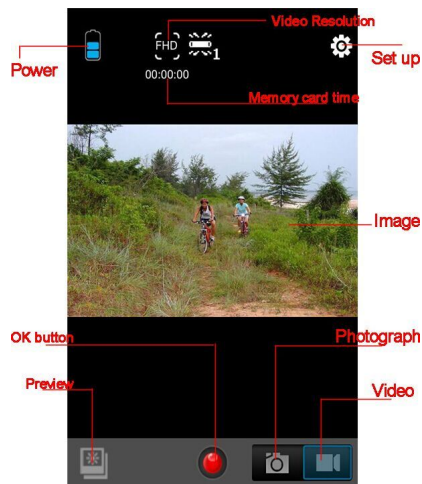WIFI   connection:

Assure the WIFI of action camera is open, then find the corresponding network to connect it by cellphone or tablet. (the corresponding network WDO DVR, Default Passwords is 12345678, WIFI passwords can be made adjustment in the mean set.)

App application:

Main interface

Action camera paramater setting

Press up botton enter mean set mode.

一 Pictures setting

1.Self-timer time: Single shot/5S/10S/20S

2.Three consecutive shoot: turn off/ turn on

12M /10M/8M/5M/3M/2M/1.3M/VGA.

3. Picture size:12M /10M/8M/5M/3M/2M/1.3M/VGA

4. Picture quality: High quality/good/general

5. Acutance: High quality/good/general

6. White balance:automatic/sun/cloudy/tungsten filament lamp/fluorescent

7. Color: full color/black white/Tan

8. ISO:automatic 50/100/200/400/800/1600

9. Exposure compensation: -2.0/-1.7/-1.3/-1.0/-0.7/-0.3/0.0/+0.3/+0.7/+0.13/+0.1.7/+2.0

10.Anti-shake: turn off/turn on

11. Date mark:turn off/date/time

二 Video setting

1. Video size: 1920*1080P 30FPS/1280*720P 60FPS/1280*720P 30FPS

2. Loop video: turn off/3 minutes/5minutes/10minutes

3. WDR: turn off/turn on

4 .Motion detection: turn off/turn on

5. Date mark: turn off/ date/time

6. Special features: Turn off/HDR/view/at night

7. Face detection: turn off/facial tracking/smiling face detection/blink of an eye detection

三 Mean setting

1. Mean language：simplified Chinese/traditional Chinese/English/German/French/Portuguese/ Spanish/Korean/Russian

2. Light source frequency：60Hz/50Hz

3. Tone: turn on/turn off

4. Date:2015.01.01

5. Automatic close screen ：closed/1minutes/3 minutes / 5minutes

6. Automatic close：closed/1minutes/3minutes/5minutes

7. Revolve: open/closed

8. Car mode: open/closed

9. Formetting: Yes/ No

10. WIFI password:12345678

11.System information: software version No.

12.Restore Factory Defaults:Yes/No

四 Playback setting

Press shoot button for 3s enter to playback setting.

1. File locking

1.1 Locking single one: Yes/No

1.2 Unlocking single one:Yes/No

1.3 Locking all: Yes/No

1.4 Unlocking all:Yes/No

1. Delete file

2.1 Delete single one:Yes/No

2.2 Delete all:Yes/No

Control action camera or App record,shoot:

Shoot or record by DV, Now the shooting and recording are controlled by WIFI.files stockpiled in the TF cards .

Shoot or record by APP: Now the pictures or videos are records in the mobile phone or tablet. The resolution fixed for QVGA (320 * 240), video format is RTSP stream.

File management: Go to the video list, then you can view the movement DV files by phone. The files can be played back ,shared, deleted and downloaded to mobile.

Connect with computer

Download the video and photo

1. When connected with computers by USB cable, press power button for 3 seconds ,the machine will enter to disk mode, Note: computer operating system: Windows 2000 / XP/Vista/Windows 7 / MAC OS X10.3.6 above.

2. Browse and manage the files by computer.

3. Pull out the USB cable and close the DV movement.

Product features:

1. Small volume, super-wide 6 g fisheye wide-angle FOV170 ° HOV = 132 ° high-resolution lens design perfect combination, more convenient in various occasions angles, 1080 p high-definition video shooting.

2.Specially designed for sports DV FHD hd large Angle sensitive device.

3.60 meters waterproof, more suitable for outdoor extreme sports.

4.The external large capacity Li battery.

5.Built-in microphone.

6.Support high capacity of TF card.

7. It connected with cell phone by WIFI, and operate by APP,which support Andriod and Apple IOS system.The cellphone can control ,preview,play the video files,They stored in the camera or phone . Video and images can share to social website timely

Technical specifications

CPU	Sunpuls 6330
SENSOR	OV2710
Lens	Ultra wide angle lens 6G fisheye wide angle FOV170°HOV=132°
Video	1920*1080P 30FPS/1280*720P 60FPS/1280*720P 30FPS
Video format	MOV
Photo resolution	12M /10M/8M/5M/3M/2M/1.3M/VGA.
Photo format	JPEG
External TF card	32GB Support max 32GB
MIC	Support
USB	USB2.0
Battery	1100MA External 1100MA lithium
System	Windows 2000/XP/Vista/Windows 7 /MAC OS X10.3.6 以上

Notice: There is no advance noticed if design and specification be changed, if there is any different, please in kind prevail!

FCC STATEMENT :

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

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

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

RF warning statement:

The device has been evaluated to meet general RF exposure requirement.

The device can be used in portable exposure condition without restriction.