

Overview

Thank you for purchasing this portable digital video camera, this camera features video recording at 4K. With resolution of 2880*2160, it adopted 1/3-inch image sensor, H.264 video encoding format, the video file storage usage is small while it has high image quality!

You can connect your camera via Wi-Fi using your smart Phone remotely, to view the camera live screen and use your phone to record or shooting.

Safety Instructions

- Do not drop, impact or puncture the camera
- Do not expose the camera to high/low temperature, excessive dust, humidity or strong vibration, otherwise the product may be damaged.
- Do not use corrosive chemicals or solvents to clean the product
- Do not disassemble this camera or attempt to repair or modify it in any manner, if there is any damage to the camera, stop using the camera and return this product to the store where you have purchased it from, the product will be sent back to the company and fix.

Cautions

- Keep children away from the product, accessories and its packaging materials, it may cause suffocation.
- Do not put the product in a fire, otherwise it may cause an explosion.
- Remove the battery if the camera is not going to be used for long periods, and please fully-charged the battery before using it again.

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Getting to Know Your Camera

Standard Accessories

4K Ultra HD Camera
Battery
Charger
USB Cable

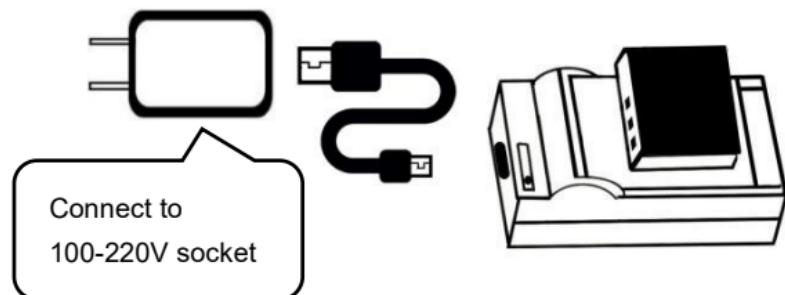
Infrared remote control
HDMI Cable
User Manual
DV Pouch

The above are all accessories, if there is any missing, please contact the seller for replacement.

Charging the Battery

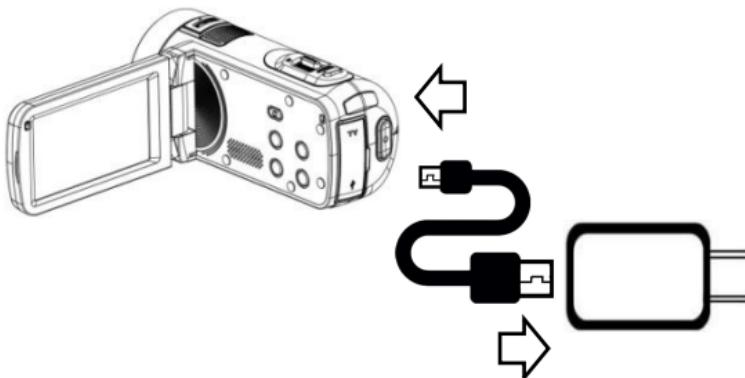
Before using the camera, you must load and charge the battery

Charging with the Charger



Note: Insert the battery into the charger to charge it, the indicator light will be red when charging; The indicator light will turn green when the charging is completed.

Charging with USB Cable (Direct Charge)



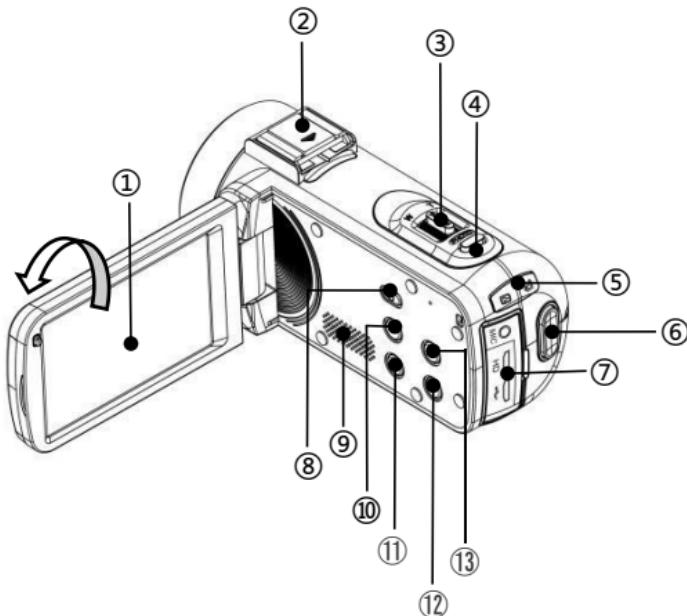
1. Please Connect the USB Cable to the charging adapter when camera is running low.
2. Connect the other side to the Camera's USB charging interface.
3. The indicator light will be red when charging; The indicator light will turn green when the charging is completed.

Note:

1. When using the charger, please install the battery in the charger slot correctly.
2. For direct charge, please use the 5V/2A-2.5A charging adapter for charging.
3. When using the USB Cable to charge, if charge during working condition, the camera will automatically shut down after the charging adapter is powered off.

Component Introduction

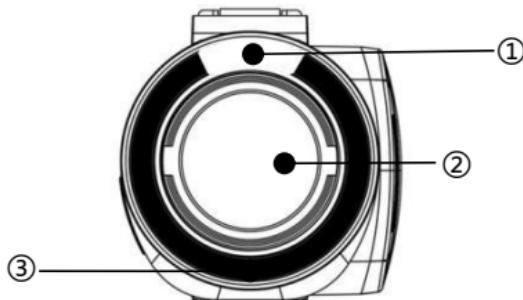
A



For the function description of the related parts in the above figure, please refer to the following table.

No.	Name	Function description
①	IPS Panel	Screen preview and video/photo playback. It supports 270° rotation.
②	Hot shoe interface	Mount hot shoe products.
③	T/W Zoom Button	In video/Photo Mode, pull left/right to zoom in/out.

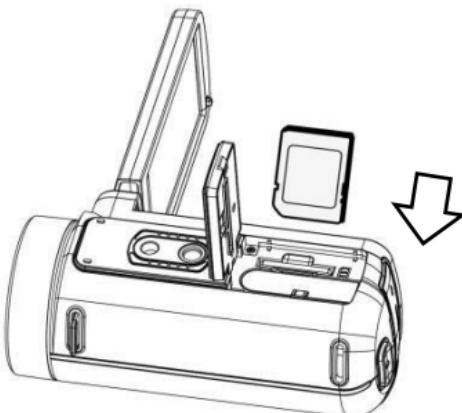
		It also can be "Options" button when choosing functions.
④	Photo Button	In photo mode, press to take photo. It also can be "OK" button when confirming functions.
⑤	Status Light	Charging indicator and working indicator.
⑥	Recording Button	1.Recording/stop video. 2.Stop playback when the video is Playing.
⑦	I/O Interface	MIC:Access to an external microphone; HDMI: External HD Cable to connect to TV; USB interface: Access the USB Cable to charge.
⑧	Power Button	Power On/Off.
⑨	Horn	Plays back sounds.
⑩	LED Light Switch	Press to turn on / off the LED light.
⑪	Menu Button	Press to enter the menu.
⑫	DISP Button	Press to switch screen display mode.
⑬	Mode Button	Press to enter the mode menu



For the function description of the related parts in the above figure, please refer to the following table.

No.	Name	Function description
①	LED light	Lighting assist
②	Lens	Framing
③	Infrared remote-control receiver	Receiving remote command

Inserting an SD Card



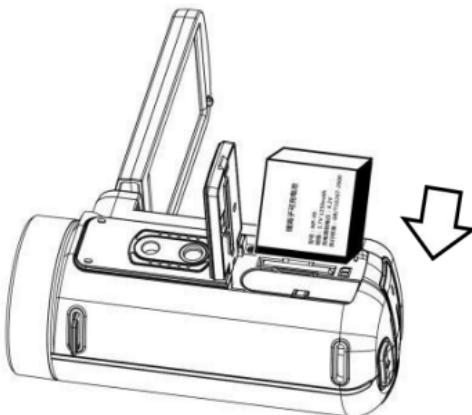
1. Open the Battery cover.
2. Insert the memory card in the direction shown until you hear "Clicks".
3. Close the Battery cover.

※Open the Battery cover and press the memory card.

Note:

1. When using for the first time, format the SD card on this unit. The SD card needs to be U3.
2. Do not forcefully remove the SD card while working, otherwise it may cause loss of files or machine damage.

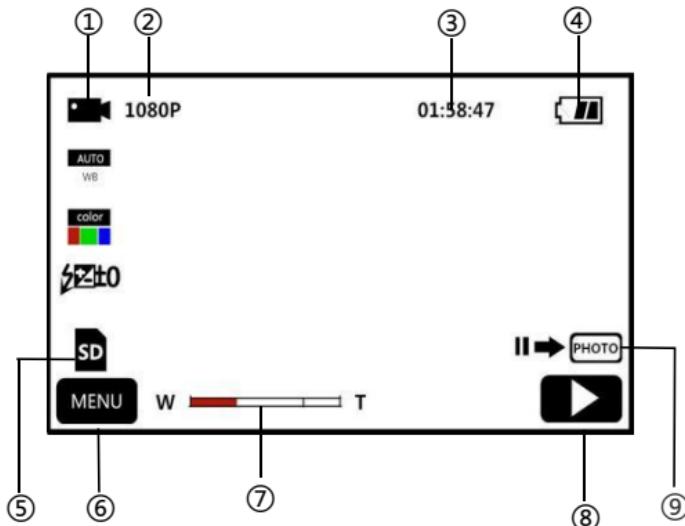
Loading Battery



1. Open the Battery cover.
2. Inserts a lithium battery.
3. Close the battery cover.

Getting Started

Recording Mode

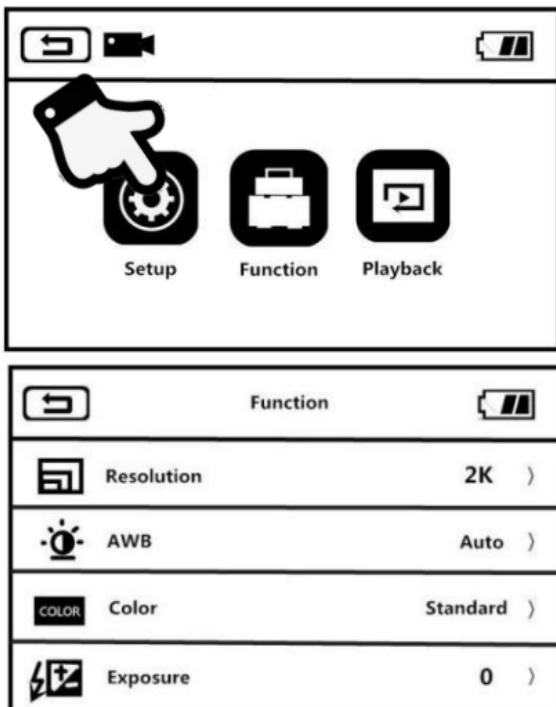


①	Recording mode	⑥	Menu
②	Resolution	⑦	Zoom
③	Remaining video recording time	⑧	Playback
④	Battery Status	⑨	Pause recording
⑤	Memory Card		

1. Press the **“Power Button”** or open the screen to turn on the camera, enter the video mode.
2. Set the option of the function you need by the option setting menu.
3. Press the Rec button to start shooting.
4. Press the Rec button again to stop shooting.
5. Press the photo button to pause when recording and press it again to continue.

Video setting menu

Enter the menu by button or touch, you can set the resolution, white balance, exposure and other function parameters to get better video results



1. Press the power button to turn on the camera.
2. Press the menu button or touch the **MENU** icon on the screen to enter the menu.
3. Touch the "Setup" icon on the screen to enter the menu.

Name	Function Description
Resolution	4K/2K/1080P/720P/VGA
AWB	Auto/Daylight/Cloudy/Fluorescent/ Tungsten
Color	Standard/Brown/Black、White/ Realistic Color
Exposure	+3 ~ -3
Date Stamp	On/Off
Metering	Multi/Center/Spor

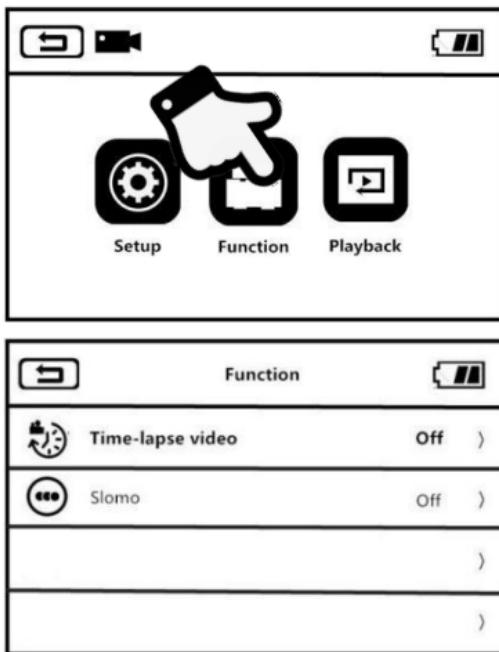
4. By switching the “**T/W zoom button**” or swipe screen to select the setting option freely.

5. By touching or pressing the “**Photo button**” to select the option, for example: Resolution, enter the option menu,

select the resolution you need, press  to return to the

main menu, press  to return to the standby main interface.

Function



Name	Function Description
Time-lapse video	By selecting: Off, 1s, 3s, 5s to compress a few minutes, hours or even days of video playback in a short period of time.
Slomo	This function only supports 720P. After the video is turned on, it can reach 2 times the slow movement when it is played.

1. Enter the video mode.

2.Press the “**Menu Button**” or touch the  icon on the screen to enter the menu.

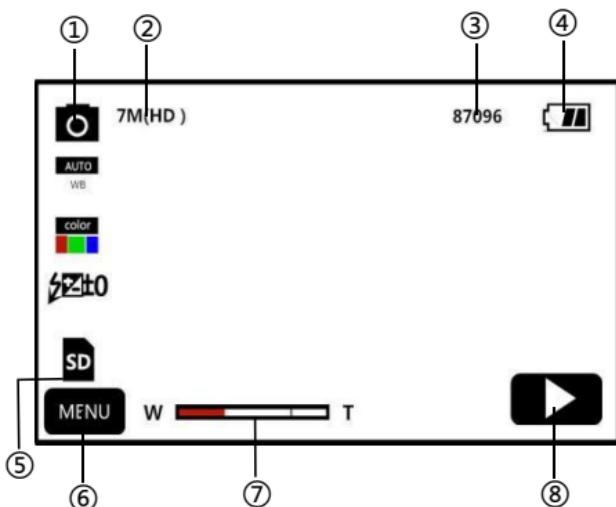
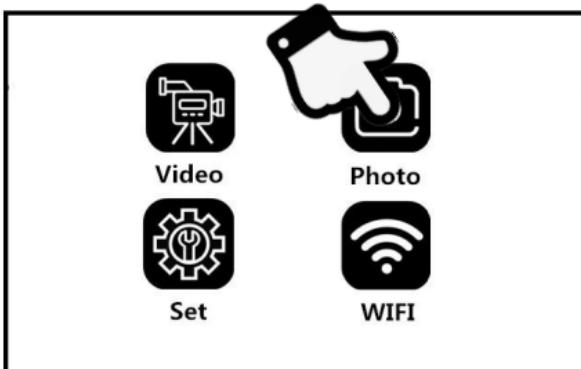


3.Touch  to enter the option menu.

4.By touching or pressing the “**Photo button**” to select the option, for example: Slomo, enter the option menu touch  to return to the main menu, touch  to return to the standby main interface.

Note:Slomo function only supports 720p

Photo Mode



①	Photo mode	⑤	Memory Card
②	Resolution	⑥	Menu
③	Remaining number of shoots	⑦	Zoom
④	Battery Status	⑧	PlayBack

1. Press the "**Photo Button**" or open the screen to turn on the camera, Press "**Mode Button**" to enter the mode menu, and



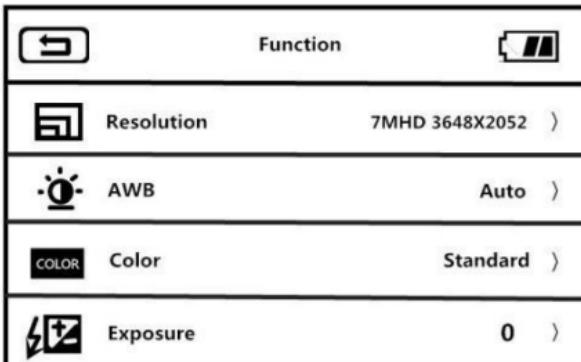
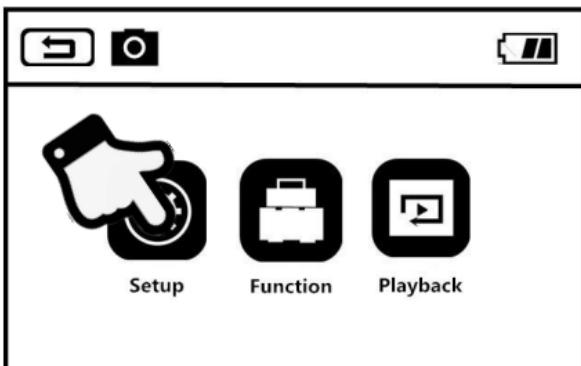
Touch to enter the main interface of the photo mode.

2. Set the option of the function you need by the option setting menu.

3. Press the "**Photo Button**", finish the photo .

Photo setting menu

Enter the menu by button or touch. You can set the resolution, white balance, exposure and other function parameters to get better photo results in the menu.



1.Enter the Photo mode .

2.Press the “**Menu Button**” or touch the  on the screen to enter the menu.



3.Touch the  on the screen to enter the set menu.

Name	Function Description
Resolution	30M/24M/20M/16M/12M/10M/7MHD/ 5M/3M/2MHD/VGA
AWB	Auto/Daylight/Cloudy/Fluorescent/ Tungsten
Color	Standard/Brown/Black, White/ Realistic Color
Exposure	+3 ~ -3
Metering	Multi/Center/Spot
Sharpness	Soft/Normal/Sharp
ISO	Auto/100/200/400

4.By switching the “**T/W zoom button**” or swipe screen to select the setting option freely.

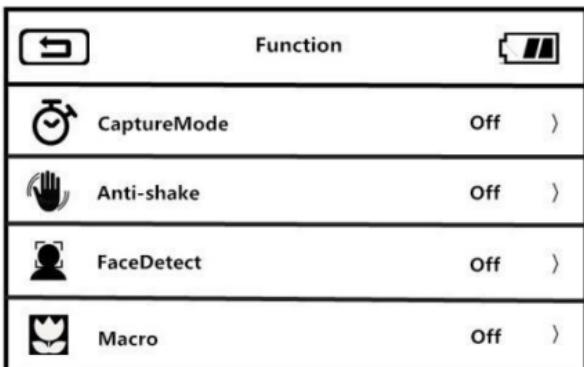
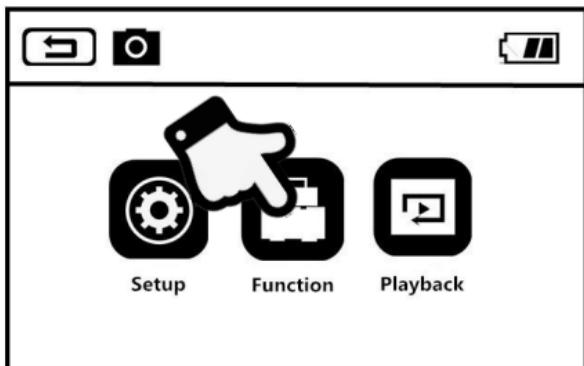
5.By touching or pressing the “**Photo button**” to select the option, for example: Resolution, enter the option menu,

select the resolution you need, press  to return to the

main menu, press  to return to the standby main interface.

Function

By using various features in this option menu allows you to take pictures easier and faster



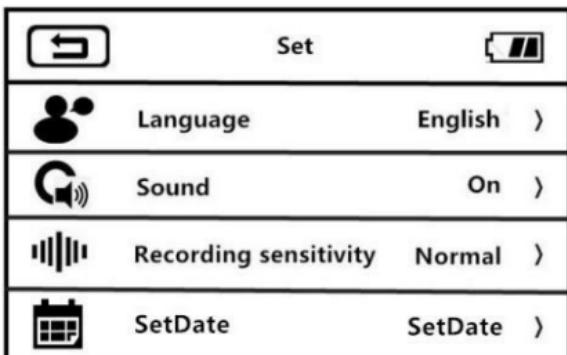
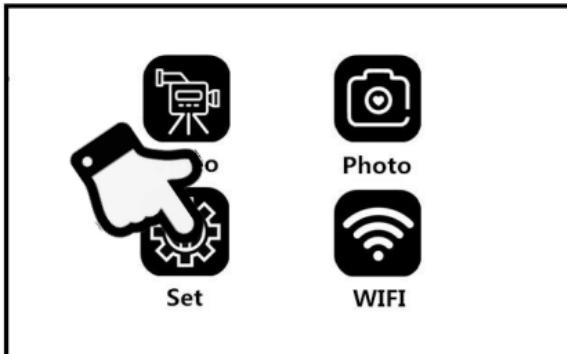
Name	Function Description
Capture Mode	By selecting: Off, 2s, 5s, 10s to selfie.
Anti-Shake	Turn on this function can effectively reduce the picture jitter cause by strong vibration.
Face Detect	When this function is turned on, the face will be in priority focus when the camera

	detects a human face
Marco	By turning this function on, you can switch to macro mode with a focusing distance from 0.1-1m
Burst Mode	Take three consecutive photos
Date Stamp	Turn on this function to add a date watermark in the lower right corner of the photo

1. Enter the photo mode, press "**Menu button**" or press  button, to enter the main menu.
2. Touch "**Function**" to enter the option menu.
3. By switching the "**T/W zoom button**" or swipe screen to select the setting option freely.
4. By touching or pressing the "**Photo button**" to select the option, for example: Capture Mode, enter the option menu, select the option you need, press  to return to the main menu, press  to return to the standby main interface.

Set Mode

Through this setting menu, you can customize the function parameters such as language, date and frequency.



Name	Function Description
Language	13 Languages.
Sound	Turn On/Off the camera button sound.
Recording sensitivity	By selecting: Soft, Normal, Strong sensitivity options Select the sound when recording
Set Date	Customize the date and time of the photo or video.

Frequency	Normally, 60Hz is suitable for US or other countries. While 50 Hz is suitable for European countries and Japan and so on.
Auto Off	Off/3mins/5mins/10mins.
Format	Yes/No.
Default	Yes/No.

1. Press the “**Power Button**” or open the screen to turn on the camera, Press “**Mode Button**” to enter the mode menu, and



Touch to enter the main interface of the SET mode.

2. By switching the “**T/W zoom button**” or swipe screen to select the setting option freely.

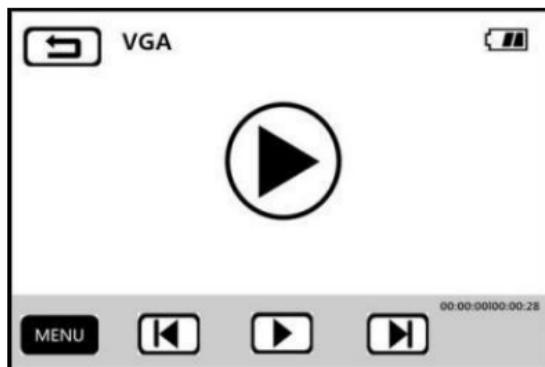
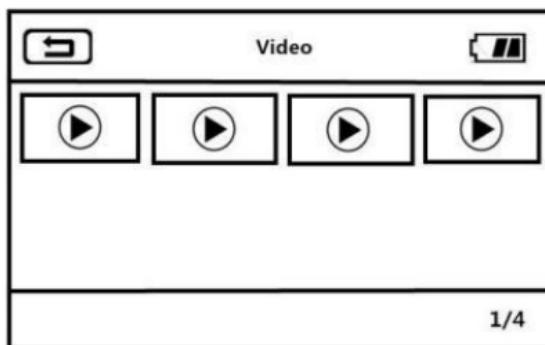
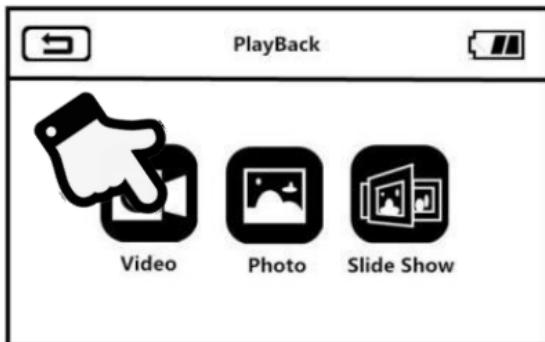
3. By touching or pressing the “**Photo Button**” to select the option.

4. press or to return to the main menu.



PlayBack

This function allows you to play recorded video or photo in the camera



Video

1. Press the "Menu Button" or touch  to enter the menu interface in the photo or recording mode.
2. Touch  to enter the playback function menu.
3. Touch  the video option to enter the 12 palace video playback interface
4. Select any one of the video thumbnail to enter the preview screen.
5. Switch to the previous or next by touching  or  .
6. By Touching  button or "Photo Button" to start playback.
7. During the playback, press "T/W Zoom Button" to adjust the sound, press the "Photo Button" to pause playback, press "Record button" to stop playing.
8. By Touching  or pressing the "Menu Button", you can delete the current file, delete all files, lock or unlock current file or all files.

Photo

1. Press the "Menu Button" or touch  to enter the menu interface in the photo or recording mode.
2. Touch  to enter the playback function menu.
3. Touch  the video option to enter the 12 palace photo playback interface

4. Select any one of the Photo thumbnail to Browse photos.
5. Switch to the previous or next by touching  or  .
6. By touching  or pressing the “**Menu Button**”, you can delete the current file, delete all files, lock or unlock current file or all files.

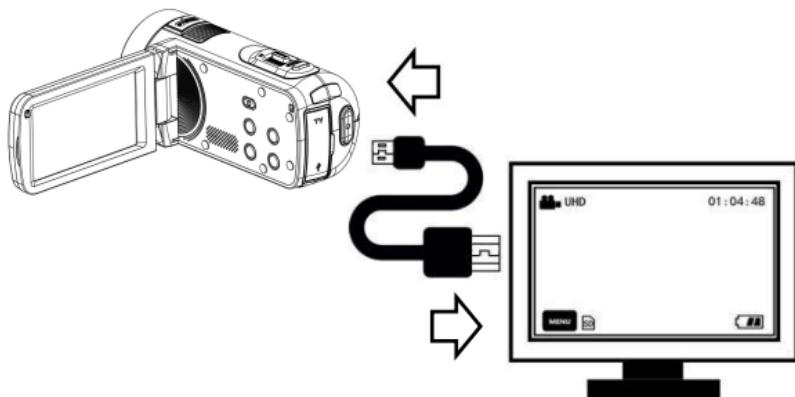
Slide Show

1. Press the “**Menu Button**” or touch  to enter the menu interface in the photo or recording mode.
2. Touch the  to enter the Slide Show interface
3. By touching the  play button or “**Photo Button**” to start play
4. By touching  or pressing the “**Menu Button**” , you can select 3S,5S,10S play time

Note:3S,5S,10S options are the interval time of each picture.

Connecting to TV

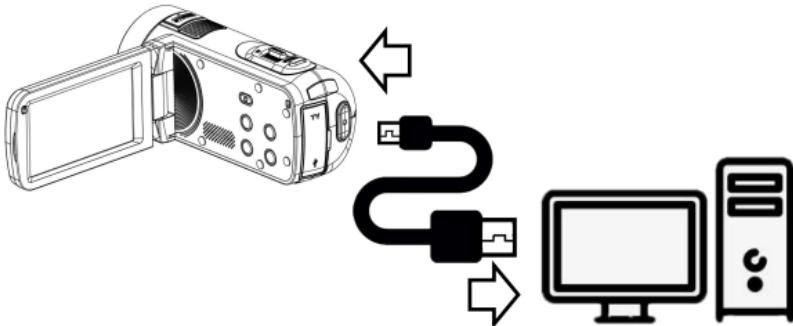
When connect the HDMI to your camera's HDMI output and your TV, the image on your screen can also be displayed on your TV screen.



1. Press the power button or open the screen to turn on the camera and enter the standby state.
2. Take out the HDMI cable and connect the camera with the HDMI connector of the TV.
3. Turn the TV to the HDMI channel, the preview screen will appears on the TV.

Connecting to the Computer

This function allows you to use your camera as a MSDC disk or PC Camera



MSDC Mode

1. Power on the camera and enter the standby mode.
2. Connect the camera and computer with the cable.
3. The screen will display two options: “**MDSC**” and “**PC Camera**”.
4. Select the “**MSDC**” by “**T/W Zoom Button**” .
5. Press “**Photo Button**” to confirm.

PC Camera Mode

1. Power on the camera and enter the standby mode.
2. Connect the camera and computer with the cable.
3. The screen will display two options: “**MDSC**” and “**PC Camera**”.
4. Select the “**PC Camera**” by “**T/W Zoom Button**” .
5. Press “**Photo Button**” to confirm.

APP Using

APP Downloading

For Android: Search “**D Video**” in Play store and download

For IOS: Search “**D Video**” in App store and download.

Or scan the QR Code to download the APP.



APP Connecting

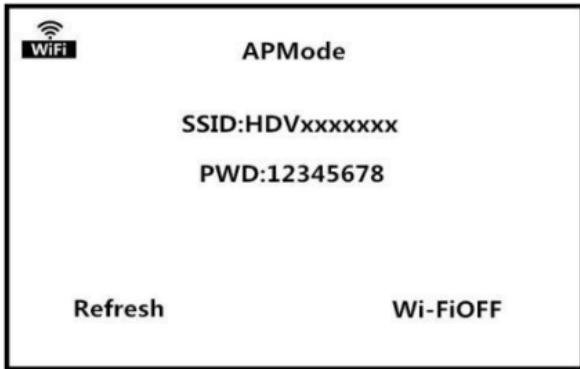
1. Press the power button or open the screen to turn on the camera, Press “**Mode Button**” to enter the mode menu, and



Touch **WiFi** to enter the main interface of the WiFi mode.

2. Open your phone and open the Wi-Fi search the name with **HDVxxxxxx**, Enter the password : **12345678** .

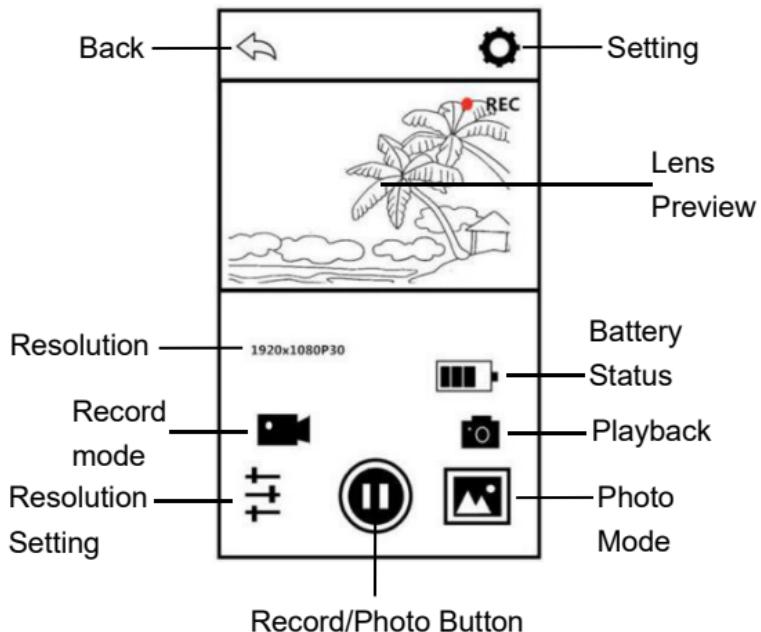




3. Enter the APP, touch “**Camera**”.



Note: The Wi-Fi function is a point-to-point wireless connection with a limited distance. The maximum distance is about 7 meters. Please use this function within the effective distance.



App Functions

You can remote control the camera to record, photo taking, playback and parameter setting on the APP

APP Video Mode

1. Touch the  on the App user interface to enter the Video mode.
2. Touch the  icon, “REC” will be displayed at the top Right of the interface and flashes on the live preview., Start recording.
3. Touch the  icon again, Stop recording.

APP Photo Mode

1. Touch the  on the App user interface to enter the Photo mode.
2. Press the  icon in live preview mode, the app will sound "click".
3. Finished.

APP Setting

This setting function allows you to customize the parameters of the camera, such as the resolution, audio recording, and date



Press the  on the App user interface to enter the Setting menu.

Video Setting	Resolution	Select video resolution arbitrarily
	Cyclic Record	Off/3Mins/5Mins/10Mins
Photo Setting	Photo Size	Select photo pixels arbitrarily
	Exposure compensation	+3.0/+2.0/+1.0/0.0/-1.0/-2.0/-3.0
Other Setting	Motion detection	Auto/Day/Cloudy/Fluorescent/Tungsten light
	Wi-Fi setting	ID/Password
	Format	YES/NO

	Surplus Space	View the storage of camera
	Firmware Version	Camera Version

APP Play Back

Through this function, the recorded video and photos can be played online on the APP and downloaded to the phone.

A. Photo

1. Press the  on the App user interface to enter the Play Back mode.
2. In the main interface of the playback, select “**Photo**” to enter the thumbnail preview interface.
3. Select anyone of the document thumbnail to play.
4. Touch  in the upper right corner to select any file you want to  delete or  download to the local album.

B. Video

1. Press the  on the App user interface to enter the Play Back mode.
2. In the main interface of the playback, select “**Video**” to enter the thumbnail preview interface.
3. Select anyone of the document thumbnail to play.

4..Touch  in the upper right corner to select any file you want to  delete or  download to the local album.

C. Album



- 1.Press  on the main interface to enter the local album.
- 2.In the main interface of the playback, select “**Video**” or “**Photo**” to enter the thumbnail preview interface.
- 3.Select any one of the document thumbnail to play ,  delete or  share it to the social media by touching.

Technical Parameters

Sensor	5.0MP CMOS
Aperture	F: 2.8 ~ 3.1
Lens	f=4.95 ~ 49.5mm
Focus Range	Wide: 0.1m~INF tele: 1.5m~INF
Lens Type	Optical zoom lens
Zoom	10X
External Storage	Support SD Card(U3), Maximum 256GB
Screen	3.0-inch IPS Touch Screen
File format	Video:MP4 Photo:JPEG
Video Resolution	4K(UHD) :2880*2160 24fps 2K(QHD):2560*1440 30fps FHD :1920*1080 30fps HD :1280*720 60fps VGA :640*480 30fps
Photo Resolution	30M(6400*4800)/24M(5600*4200)/ 20M(5200*3900)/16M(4608*3456)/ 12M(4000*3000)/10M(3648*2736)/ 7M(HD)(3648*2052)/5M(2592*1944)/ 3M(2048*1536)/2M(HD)(1920*1080)/ VGA(640*480)
ISO	Auto/100/200/400
Wi-Fi	Support
LED Light	Yes
Hot Shoe	Support external Microphone/LED light
USB Port	USB2.0: DC IN

Lens Caliber	M=37mm
Speaker	Built-in
Microphone	Built-in
Battery	NP-40 Li-ion battery
Working Temperature	0 ~ 40 °C

Troubleshooting

Trouble	Possible reason	Solution
Cannot power on	Battery is not inserted correctly/dead	Insert battery correctly/Charge
Unclear Focus	Out of focus range / lens dirty	Shooting in focus able range/Clean the lens
Unable to use memory card/unable to record	Card damage / SD card does not meet requirement	Replace the SD card / Format the SD Card / Use the U1 Card
Fail to use it as a PC Cam	USB Cable is loose / Computer system version is not compatible	Replace the USB interface / Select a compatible system

FCC Statement

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. Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be located or operating in conjunction with any other antenna or transmitter.

RF Exposure Information

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

The device can be used in 0mm exposure condition, compliance with exposure requirements.



FCC ID: 2ALYU-HDR-Z88