

## **Overview**

Thank you for purchasing this portable digital video camera, this camera features video recording at 4K. With resolution of 3840\*2160, it adopted 1/3-inch image sensor, 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.

## **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

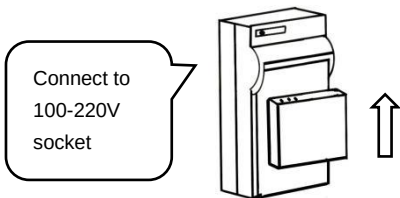
DV Pouch

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

## Charging the Battery

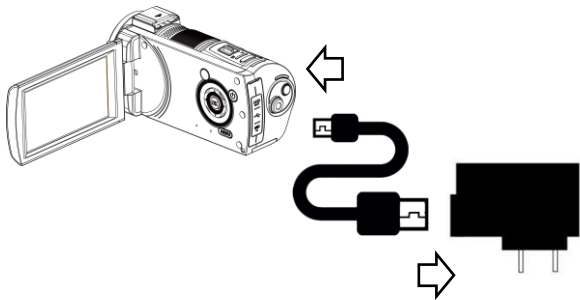
Before using the camera, you must load and charge the battery

### 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)



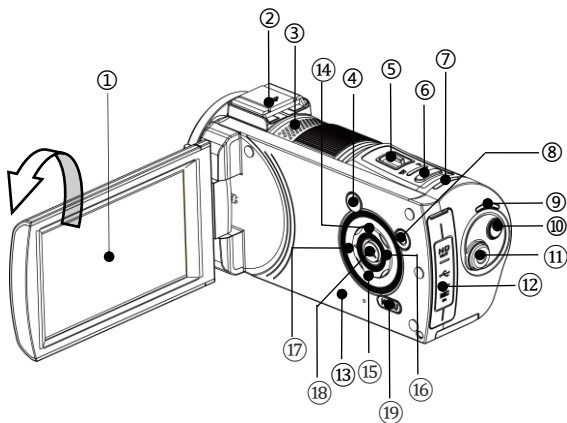
1. Please Connect the USB Cable to the charging adapter when camera is running low.
2. Connect the other side to the Camera's USB charging interface.
3. The indicator light will be red when charging; The indicator light will turn green when the charging is completed.

### **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



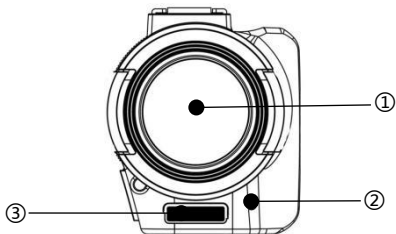
For the function description of the related parts in the above figure, please refer to the following table.

| No. | Name               | Function description                     |
|-----|--------------------|------------------------------------------|
| ①   | IPS Touch Panel    | Screen preview and video/photo playback. |
| ②   | Hot shoe interface | Mount hot shoe products.                 |
| ③   | Horn               | Plays back sounds.                       |
| ④   | DISP Button        | Press to switch screen display Mode.     |

|   |                                  |                                                                                                                                                                                              |
|---|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ⑤ | T/W Zoom Button                  | In video/Photo Mode, pull left/right to zoom in/out;<br>In Playback Mode, pull to switch photos/videos;<br>In Menu, pull to menu selection.<br>In Video Playback, pull to adjust the volume. |
| ⑥ | Photo Button                     | Two-stage button, tap to focus and press to photo in photo mode.                                                                                                                             |
| ⑦ | Power indicator                  | Always on after power on.                                                                                                                                                                    |
| ⑧ | Power Button                     | Power On/Off.                                                                                                                                                                                |
| ⑨ | State Light                      | Display of mode status.                                                                                                                                                                      |
| ⑩ | Mode Button                      | Press to enter the mode menu while in photo / video / playback mode.                                                                                                                         |
| ⑪ | Video Button                     | 1.Recording/stop video.<br>2.Stop playback when the video is Playing.                                                                                                                        |
| ⑫ | I/O Interface                    | 10PIN USB interface : Access the USB Cable to charge;<br>HDMI : External HD Cable to connect to TV;<br>MIC:Access to an external microphone.                                                 |
| ⑬ | Built-in microphone              | Recording sound.                                                                                                                                                                             |
| ⑭ | Up Button/IR Night Vision Switch | When entering the menu, press to move the cursor upward; when in                                                                                                                             |

|   |                                 |                                                                                                                                       |
|---|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
|   |                                 | the photo / recording mode, press to turn on / off the IR Light..                                                                     |
| ⑮ | Down Button/"Delete" Shortcut   | When entering the menu, press and move the cursor down; Press to delete recent videos or photos.                                      |
| ⑯ | Right Button/Increased exposure | When entering the menu, press and move the cursor to the right; In photo / video mode, press exposure to increase the exposure value. |
| ⑰ | Left Button/Reduce exposure     | When entering the menu, press and move the cursor to the left; In photo / video mode, press exposure to decrease the exposure value.  |
| ⑱ | Confirm Button                  | After entering the menu to select the function option, press to confirm the selection.                                                |
| ⑲ | Menu Button                     | Press to enter the Menu.                                                                                                              |

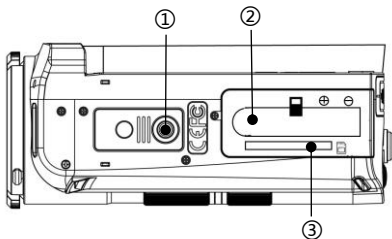
## B



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

| No. | Name                             | Function description     |
|-----|----------------------------------|--------------------------|
| ①   | Lens                             | Framing                  |
| ②   | Infrared remote-control receiver | Receiving remote command |
| ③   | IR Light                         | Lighting assist          |

## C

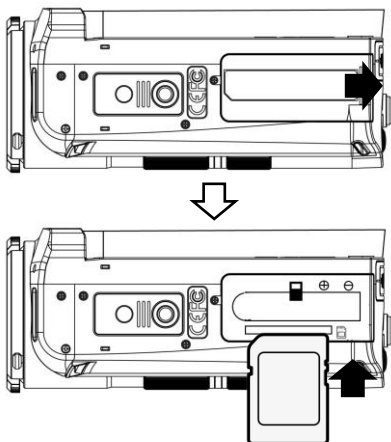


For the function description of the related parts in the above figure, please refer to the following table.

| No. | Name                | Function description         |
|-----|---------------------|------------------------------|
| ①   | 1/4 Tripod Socket   | Tripod installation.         |
| ②   | Battery Compartment | Load NP-40B Battery.         |
| ③   | SD slot             | Open and insert the SD Card. |

# Getting Started

## Inserting an SD Card

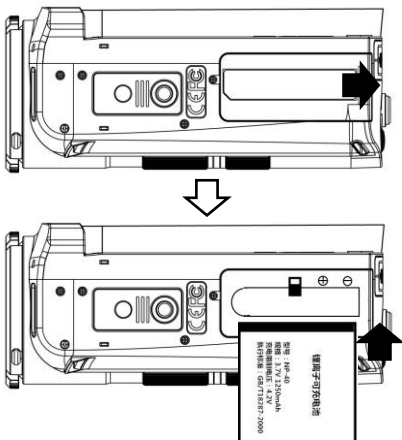


1. Open the Battery cover.
  2. Insert the memory card in the direction shown until you hear “Clicks”.
  3. Close the Battery cover.
- ※Open the Battery cover and press the memory card.

### Note:

1. It is strongly recommended to use U3, which supports up to 256G high-speed memory card.
2. Do not forcefully remove the SD card while working, otherwise it may cause loss of files or machine damage.

## Loading Battery

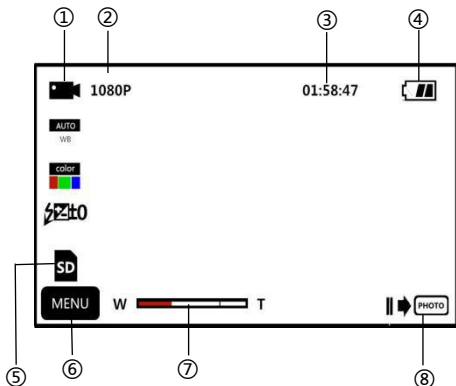


1. Open the Battery cover.
2. inserts a lithium battery.
3. Close the battery cover.

### Note :

1. Do not violently open the battery cover and remove the battery.
2. The battery needs to be loaded into the battery compartment in a correct direction.

## Recording Mode

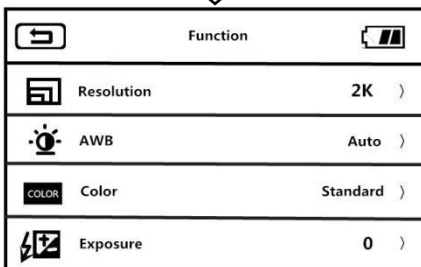


|   |                                |   |                 |
|---|--------------------------------|---|-----------------|
| ① | Recording mode                 | ⑤ | Memory Card     |
| ② | Resolution                     | ⑥ | Menu            |
| ③ | Remaining video recording time | ⑦ | Zoom         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

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. Enter the video mode .
2. Press the “**Menu Button**” or touch the  icon on the screen to enter the menu.
3. Touch the  on the screen to enter the menu.

| Name | Function Description |
|------|----------------------|
|------|----------------------|

|            |                                                                 |
|------------|-----------------------------------------------------------------|
| Resolution | 4K30fps/2K30fps/FHD30fps/HD30fps/<br>VGA30fps/FHD60fps/HD120fps |
| AWB        | Auto/Daylight/Cloudy/Fluorescent/<br>Tungsten                   |
| Color      | Standard/Brown/Black、 White/<br>Realistic Color                 |
| Exposure   | +3 ~ -3                                                         |
| Date Stamp | On/Off                                                          |
| Metering   | Multi/Center/Spor                                               |

**Note** : Use FHD60FPS and HD120FPS non-zoom.

4.By switching the “**T/W Zoom Button**” “**Up Button**”、“**Down Button**” or swipe screen to select the setting option freely.

5.By touching or pressing the “**Photo Button**”、“**Confirm Button**”

to select the option, for example: Resolution, enter the option menu, select the resolution you need, touch

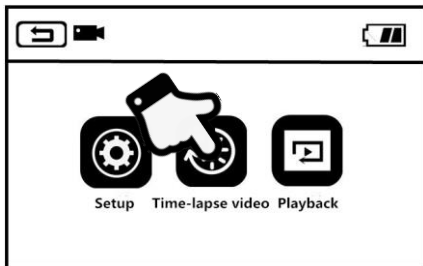


to return to the main menu, touch



to return to the standby main interface.

## Time-lapse Video



This feature allows you to compress a few minutes, hours or even days of video playback in a short period of time

1.Enter the video mode.

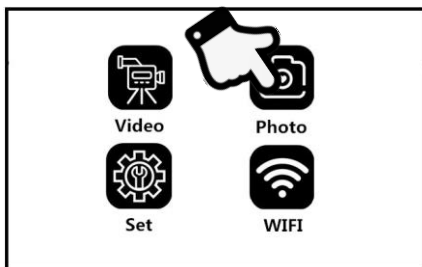
2.Press the “**Menu Button**” or touch the  icon on the screen to enter the menu.

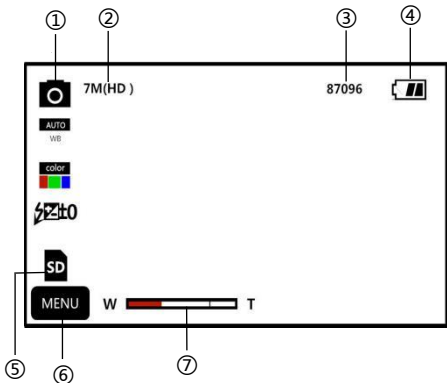
3.Touch  to enter the option menu : off/1s/3s/5s.

4.By touching or pressing the “**Photo Button**” to select the option , touch  to return to the main menu, touch  to return to the standby main interface.

**Note:**1s.3s.5s is the interval time of each frame.

## Photo Mode





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

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

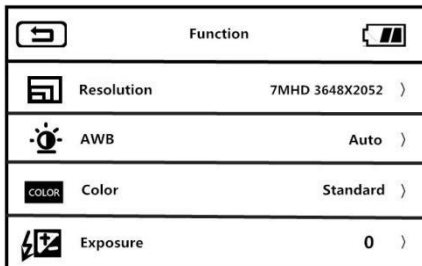
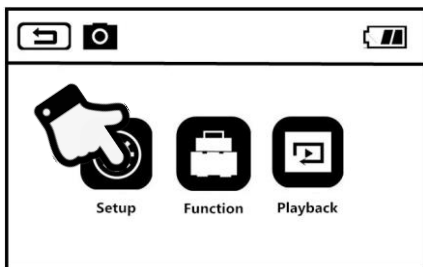


Touch to enter the main interface of the photo mode.

2. Set the option of the function you need by the option setting menu.
3. Press the **"Photo Button"**, take a picture .

## 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<br>5M/2MHD/VGA     |
| AWB        | Auto/Daylight/Cloudy/Fluorescent/<br>Tungsten   |
| Color      | Standard/Brown/Black、 White/<br>Realistic Color |
| Exposure   | +3 ~ -3                                         |
| Metering   | Multi/Center/Spot                               |
| Sharpness  | Soft/Normal/Sharp                               |
| ISO        | Auto/100/200/400/800/1600                       |

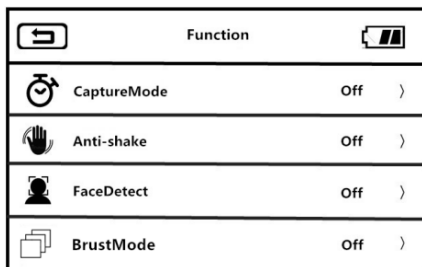
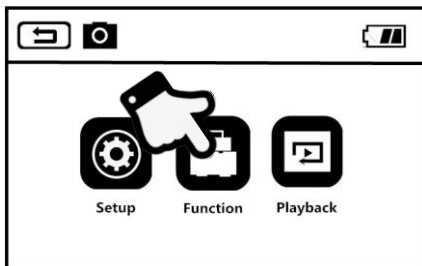
4.By switching the “**T/W Zoom Button**” 、 “**Up Button**” 、 “**Down Button**” or swipe screen to select the setting option freely.

5.By touching or pressing the “**Photo Button**” 、 “**Confirm 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 |
| 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 touch  to enter the main menu.

2. Touch  to enter the option menu.

3. By switching the “**T/W zoom Button**” 、 “**Up Button**” 、 “**Down Button**” or swipe screen to select the setting option freely.

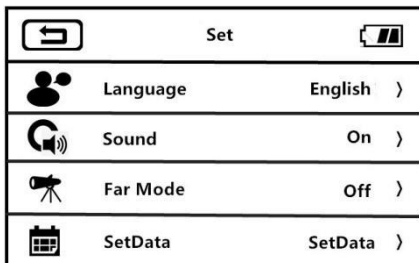
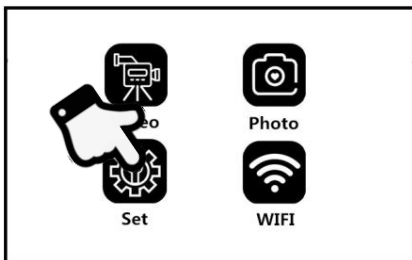
4. By touching or pressing the “**Photo Button**” to select the option, for example: Capture Mode, enter the option menu,

select the option you need, touch  to return to the

main menu, touch  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.               |
| Far Mode | On/Off                                             |
| 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



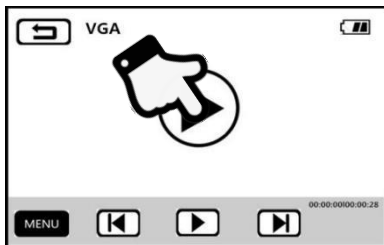
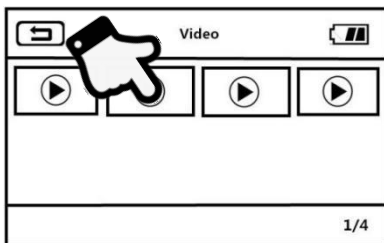
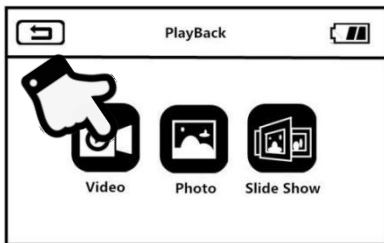
Touch to enter the main interface of the SET mode.

2. By switching the **"T/W Zoom Button"** 、 **"Up Button"** 、 **"Down 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.

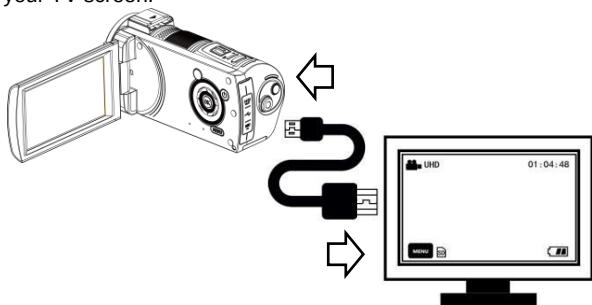
## Slide Show

- 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

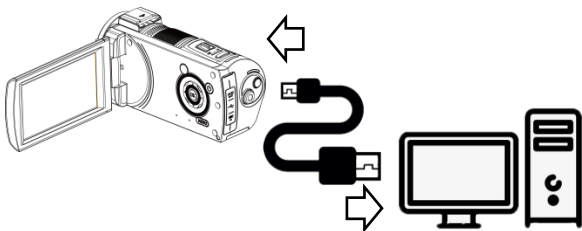
When connect the HDMI to your camera's HDMI output and your TV, the image on your screen can also be displayed on your TV screen.



1. Press the power button or open the screen to turn on the camera and enter the standby state.
2. Take out the HDM 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: “MSDC”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: “MSDC”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 Google Play and download,

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

Or scan the QR Code to  
download the APP.



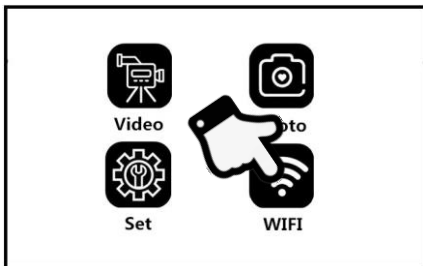
### APP Connecting

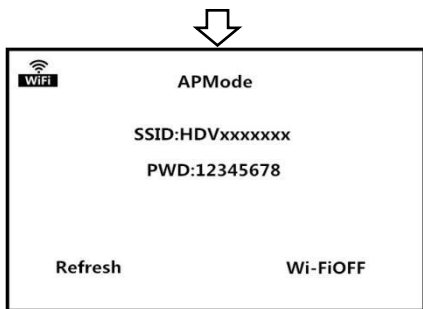
1. Press the power button or open the screen to turn on the camera, Press “**Mode Button**” to enter the mode menu, and



Touch 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** .

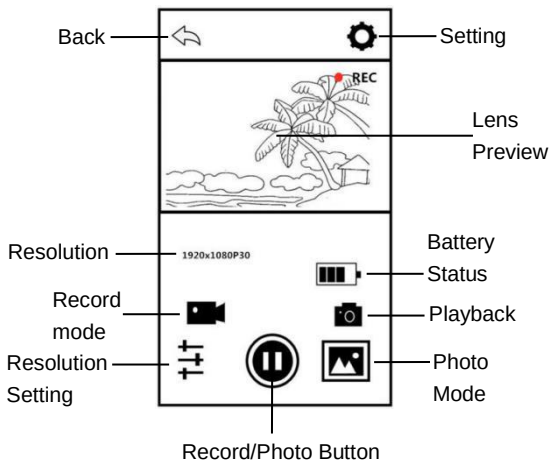




3. Enter the APP, touch " **Camera**".



**Note:** The Wi-Fi function is a point-to-point wireless connection with a limited distance. The maximum distance is about 10 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            | Any selection of desired resolution        |
|               | Cyclic Record         | Off/3Mins/5Mins/10Mins                     |
| Photo Setting | Photo Size            | Any selection of desired resolution        |
|               | Exposure compensation | +3.0/+2.0/+1.0/0.0/-1.0/-2.0/-3.0          |
| Other Setting | Motion detection      | Auto/Day/Cloudy/Fluore cent/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   | 13.0MP CMOS |
| Aperture | F : 2.2     |
| Lens     | F=4.88mm    |

|                  |                                                                                                                                                                                   |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Focus Range      | 1m ~ infinity                                                                                                                                                                     |
| Lens Type        | Digital zoom lens                                                                                                                                                                 |
| Zoom             | 30X                                                                                                                                                                               |
| External Storage | Support SD Card(U3) , Maximum 256GB                                                                                                                                               |
| Screen           | 3.5-inch IPS Touch Screen                                                                                                                                                         |
| Video Resolution | Standard : 4K :3840*2160 30fps<br>2K :2560*1440 30fps<br>FHD :1920*1080 30fps<br>HD :1280*720 30fps<br>VGA :640*480 30fps<br>Sports : FHD :1920*1080 60fps<br>HD :1280*720 120fps |
| Photo Resolution | 30M(6400*4800)/24M(5600*4200)/<br>20M(5200*3900)/16M(4608*3456)/<br>12M(4000*3000)/10M(3648*2736)/<br>7MHD(3648*2052)/5M(2592*1944)/2M<br>HD(1920*1080)/VGA(640*480)              |
| File format      | Video:MP4 Photo:JPEG                                                                                                                                                              |
| ISO              | Auto/100/200/400/800/1600                                                                                                                                                         |
| Wi-Fi            | Support                                                                                                                                                                           |
| IR Night Vision  | 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.

### RF Exposure Information

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



2ALYUHDR-AX10