

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!

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

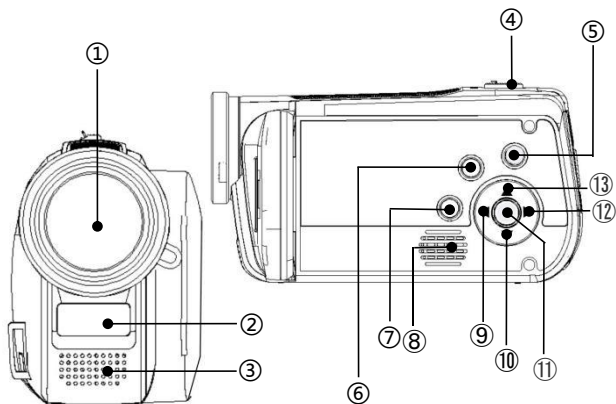
HDMI Cable

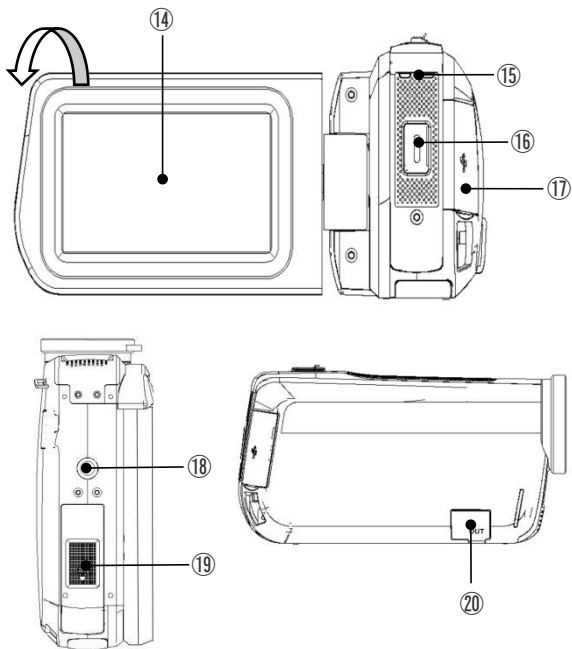
User Manual

DV Pouch

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

Component Introduction





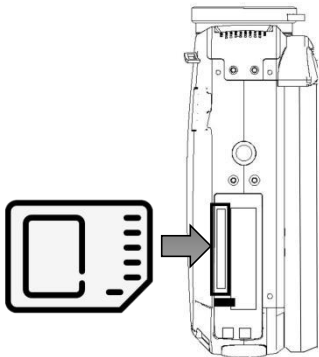
For the function description of the related parts in the above figure, please refer to the following table.

No.	Name	Function description
①	Lens	Framing
②	IR night vision	Lighting assist.

③	Built-in microphone	Recording sound.
④	T/W Zoom Button	In video/Photo Mode, pull left/right to zoom in/out; In Playback Mode, pull to switch photos/videos; In Menu, pull to menu selection. In Video Playback, pull to adjust the volume.
⑤	Power Button	Power On/Off.
⑥	Menu Button	Press to enter the Menu.
⑦	Mode Button	Press to enter the mode menu while in photo / video / playback mode.
⑧	Horn	Plays back sounds.
⑨	Left Button/Play Back Button	When entering the menu, press and move the cursor to the left; In photo / video mode, press to play back mode.
⑩	Down Button/"Delete" Shortcut	When entering the menu, press and move the cursor down; Press to delete recent videos or photos.
⑪	Confirm Button	After entering the menu to select the function option, press to confirm the selection.
⑫	Video/Photo Mode Switch	In the photo / recording mode, press to switch recording/photo mode

⑬	Up Button/IR Light 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.
⑭	IPS Touch Panel	Screen preview and video/photo playback.
⑮	State Light	Blue: working, Red: Charging.
⑯	Video/Photo Button	In video mode ,Press to Record/Stop video In Video Playback, pull to stop .
⑰	I/O Interface	5PIN USB interface: Access the USB Cable to charge; HDMI: External HD Cable to connect to TV;
⑱	1/4 Tripod Socket	Tripod installation.
⑲	SD slot	insert the SD Card.
⑳	Mic Interface	Access to an external microphone.

Inserting an SD Card



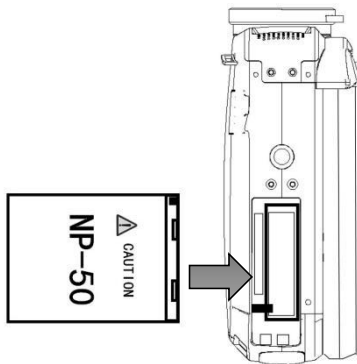
1. Open the Battery cover.
 2. Insert the memory card in the direction shown until you hear “Clicks”.
 3. Close the Battery cover.
- ※Open the Battery cover and press the memory card.

Note:

1. When using for the first time, format the SD card On this unit. The SD card needs to be U1-U3.
2. Do not forcefully remove the SD card while working, otherwise it may cause loss of files or machine damage.

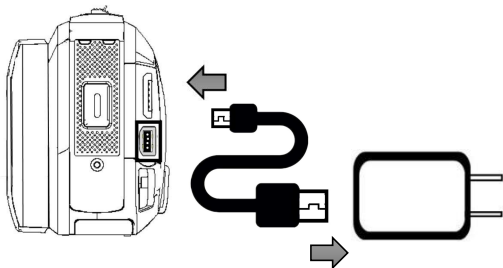
Loading the Battery

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



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

Charging the Battery



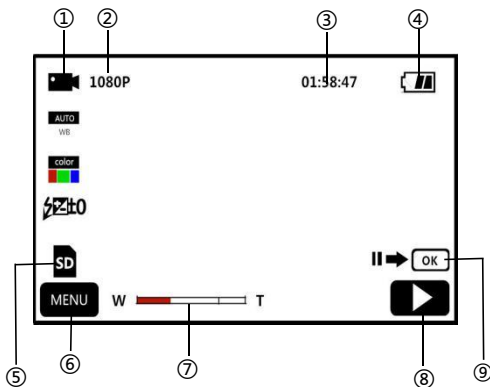
1. Please Connect the USB Cable to the charging adapter when camera is running low.
2. Connect the other side to the Camera's USB charging interface.
3. The indicator light will be red when charging; The indicator light will turn off when the charging is completed.

Note:

1. When using the charger, please install the battery in the charger slot correctly.
2. 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.

Getting Started

Recording Mode



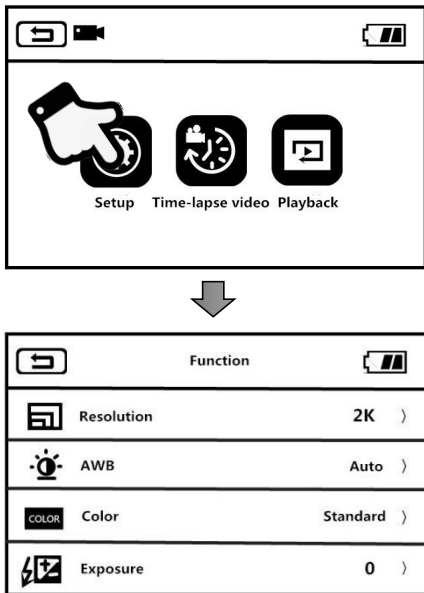
①	Video mode	⑥	Menu
②	Resolution	⑦	Zoom
③	Remaining video recording time	⑧	Pause recording
④	Battery Status	⑨	Play Back
⑤	Memory Card		

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 **"Video/Photo Button"** to start shooting.


4. Press the **“Video/Photo Button”** Button again to stop shooting.
5. Press the **“Confirm 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	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

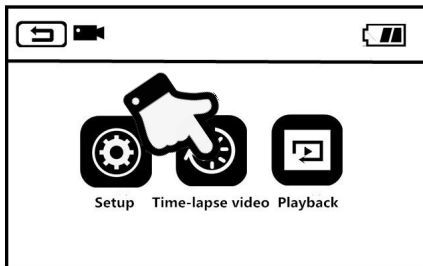
4. By switching the **“T/W Zoom Button”** **“Up Button”**、**“Down Button”** or swipe screen to select the setting option freely.

5. By touching or pressing the **“Video/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.

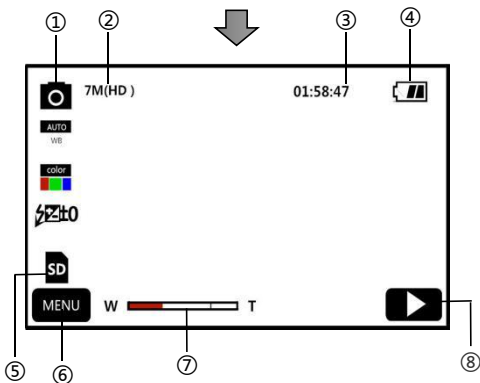
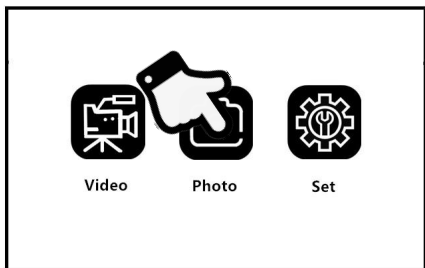
4. By touching or pressing the **"Photo Button"** to select the

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	⑧	Play Back

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

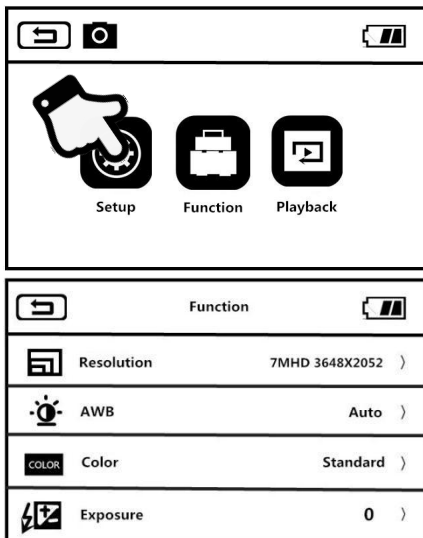


Touch to enter the main interface of the photo mode.


2. Set the option of the function you need by the option setting menu.
3. Press the **"Video/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	48M/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

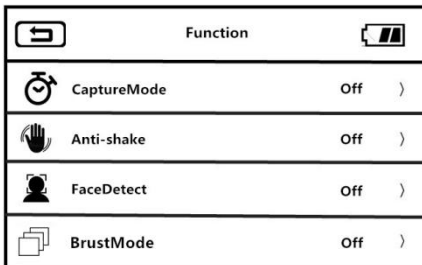
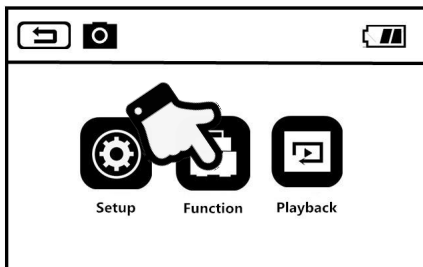
4. By switching the **"T/W Zoom Button"** 、 **"Up Button"** 、 **"Down Button"** or swipe screen to select the setting option freely.

5. By touching or pressing the **"Video/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.

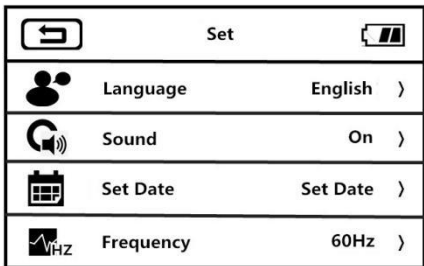
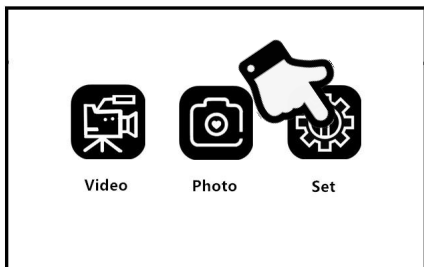
3. By switching the “**T/W zoom Button**” , “**Up Button**” , “**Down Button**” or swipe screen to select the setting option freely.

4. By touching or pressing the “**Video/Photo Button**” “**Confirm 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.
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



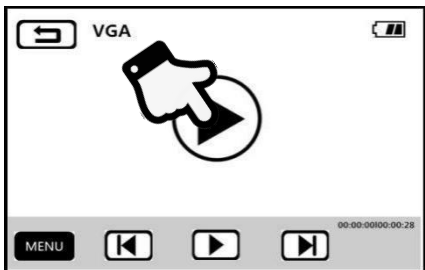
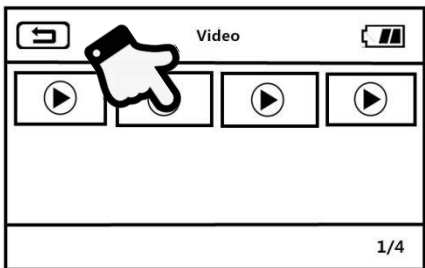
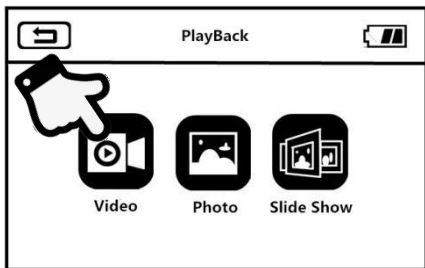
Touch to enter the main interface of the SET mode.

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 **Video/Photo Button** **"Confirm Button"** to select the option.


4. press  or  to return to the main menu.


Play Back


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 "**Video/Photo Button**" to start playback.


7. During the playback, press "**T/W Zoom Button**" to adjust the sound, press the "**Confirm Button**" to pause playback, press "**Video/Photo 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

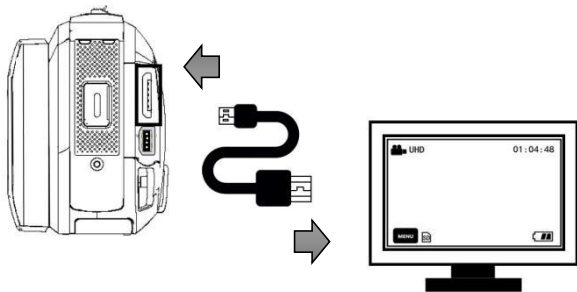
3. By touching the  play button or "**Photo Button**" to start play

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

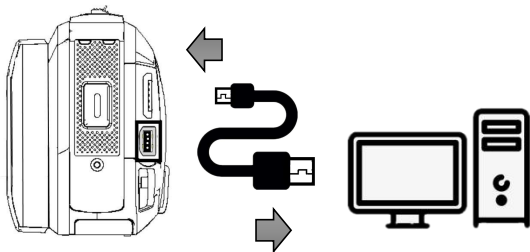
When connect the HDMI to your camera's HDMI output and your TV, the image on your screen can also be displayed on your TV screen.



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 “**Video/Photo Button**”or “**Confirm 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 "Video/Photo Button" or "Confirm Button" to confirm.

Technical Parameters

Sensor	13.0MP CMOS
Aperture	F: 2.2
Lens	f=4.88mm
Focus Range	1.5m ~ infinity
Lens Type	Digital zoom lens
Zoom	30X
External Storage	Support SD Card(U1-U3), Maximum 256GB
Screen	3.0-inch IPS Touch Screen
Video Resolution	4K :2880*2160 24fps 2K :2560*1440 30fps FHD :1920*1080 60fps HD:1280*720 120fps VGA:640*480 30fps
Photo Resolution	48M(9216*5184)/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)/2MHD(1920*1080) VGA(640*480)
File format	Video:MP4 Photo:JPEG
ISO	Auto/100/200/400

IR night vision	Built-in
USB Port	USB2.0: DC IN
Speaker	Built-in
Microphone	Built-in
Battery	NP-50 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