Overview

Thank you for purchasing this portable digital video camera, this camera features video recording at 4K. With resolution of 3840*2160 , it adopted Sony 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.

TABLE OF CONTENTS

Getting to Know Your Camera

Standard Accessories

4K Ultra HD Camera   Infrared remote control
Battery   HDMI Cable
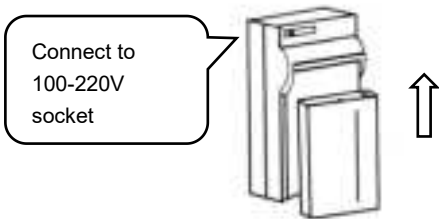Charger   User Manual
USB Cable   Warranty Card

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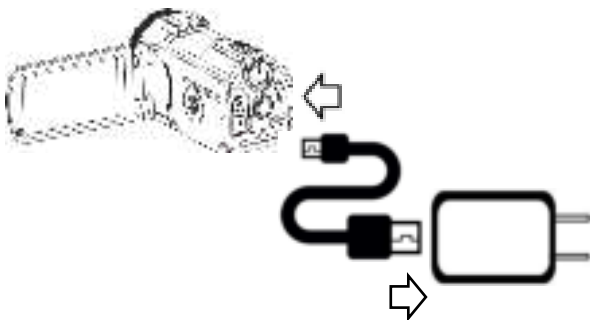
Charging the Battery

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

Charging with the Charger

Connect to 100-220V socket

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.
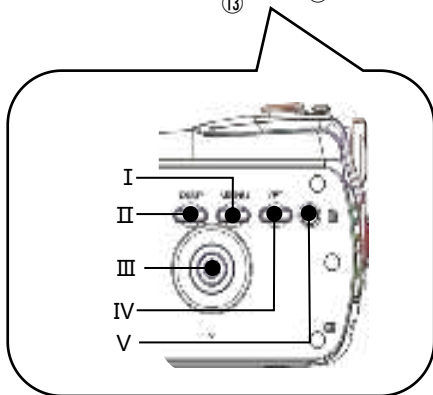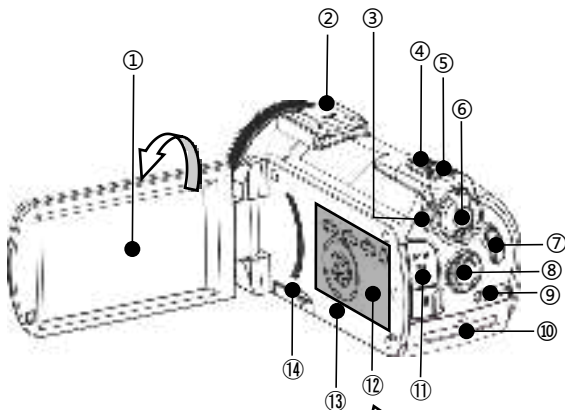
Charging with USB Cable (Direct Charge)

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.
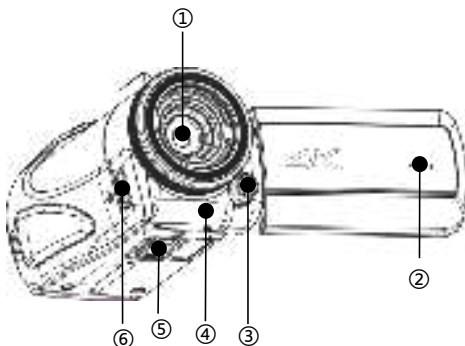
Rear View

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	State Light	Display of mode status.
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	Photo Button	Two-stage button, tap to focus and press to photo in photo mode.
⑥	Mode dial	Record、Photo、Setting Mode: **SET** Stands for Setting Mode ▤ Stands for Record Mode ▢ Stands for Photo Mode
⑦	Video Button	"START/STOP"is the recording/stop button; Stop playback when the video is playing.
⑧	IR Night Vision	Turn on/off the IR Light.

|	Switch	
⑨	Battery compartment switch	Toggle to the right to open the battery compartment.
⑩	Battery Compartment	Load NP-120 Battery.
⑪	I/O Interface	10PIN USB interface：Access the USB Cable to charge Access to an external microphone and charging with"one-to-two" cable switcher HDMI：External HD Cable to connect to TV.
⑫	Menu Button	Press to enter the Menu.
	DISP Button	Short press to switch screen display mode
	Power Button	Power On/Off.
	Playback Button	Press to enter the playback mode
	Focus	Macro/Near Focus/Far Focus switch.
⑬	Built-in microphone	Recording sound.
⑭	SD slot	Open and insert the SD Card.

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	Horn	Plays back sounds.
③	IR night vision light	Infrared light.
④	Infrared remote-control receiver	Receiving remote command.
⑤	1/4 Tripod Socket	Tripod installation.
⑥	Hand strap mounting hole	Install adjustable hand strap.

Getting Started
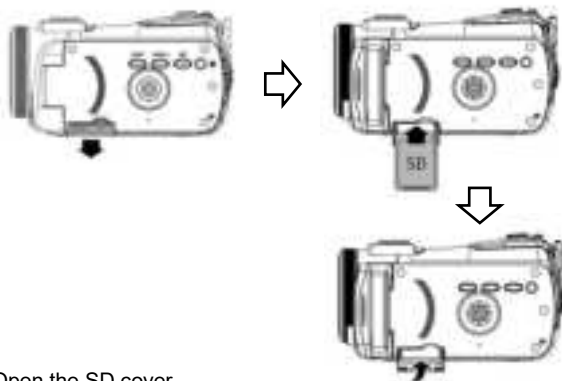
1. Open the SD cover.
2. Insert the memory card in the direction shown until you hear"**Clicks**".
3. Close the SD cover.
※**Open the SD cover and press the memory card.**

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.

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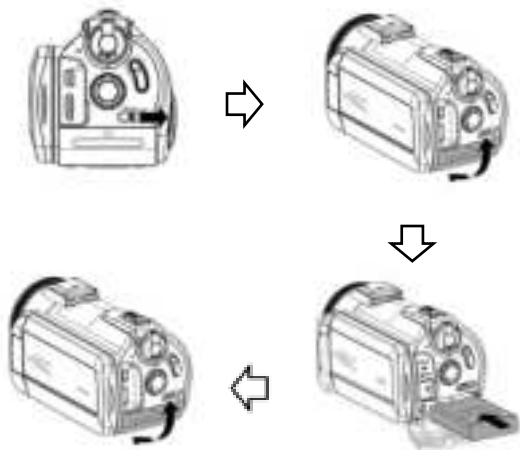
1. Push the OPEN button to the right as shown.
2. The battery compartment pops open, inserts a lithium battery.
3. Close the battery compartment.

Note:

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

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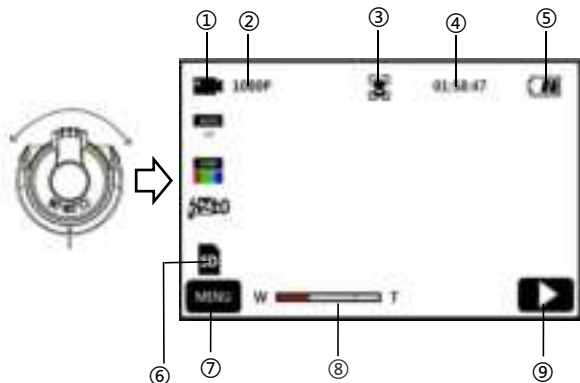
①	Recording mode	⑥	Memory Card
②	Resolution	⑦	Menu
③	Focus	⑧	Zoom
④	Remaining video recording time	⑨	Playback
⑤	Battery Status		

1. Press the power button or open the screen to turn on the camera, push the mode switch button to the video mode to 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.

Enter the menu by button or touch, you can set the resolution, white balance, exposure and other function parameters to get better video results
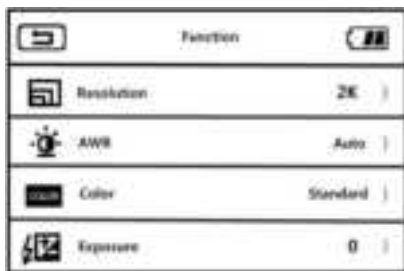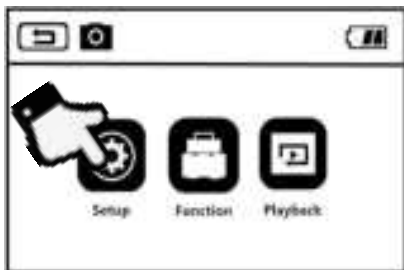
1. Press the power button to turn on the camera.

2. Press the menu button or touch the ▮▮▮▮ icon on the screen to enter the menu.

3.Touch the"**Setup**" icon on the screen to enter the menu.

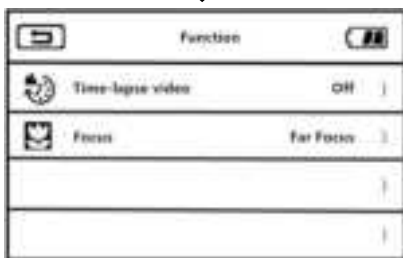| Name	Function Description
Resolution	4K 30fps/2K 30fps/FHD 30fps/ HD 30fps/VGA 30fps/FHD 60fps(S)/ HD 120fps(S)/ VGA 240fps(S)
AWB	Auto/Daylight/Cloudy/Fluorescent/ Tungsten
Color	Standard/Brown/Black/White/ Realistic Color
Exposure	+3/+2+1/0/-1/-2/-3
Date Stamp	On/Off
Metering	Multi/Center/Spor

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.

| Name	Function Description
Time-lapse video	By selecting: Off, 1s, 3s, 5s to to compress a few minutes, hours or even days of video playback in a short period of time.
Focus	By selecting: Macro,Near Focus,Far Focus to adapt to different focus

| | distance. | **MENU** |

1. Enter the Video 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 to select the setting option
   freely.
4. By touching or pressing the "**Photo**" button to select the
   option, for example: Focus, enter the option menu,

   select the option you need, press ⬛ to return to the

   main menu, press ⬛ to return to the standby main

   interface.

Photo Mode
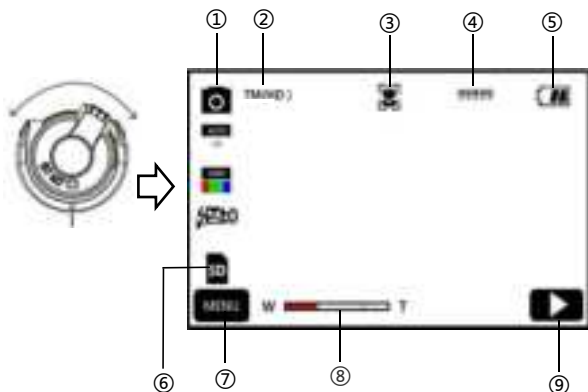
| ①	Photo mode	⑥	Memory Card
②	Resolution	⑦	Menu
③	Focus	⑧	Zoom
④	Remaining number of shoots	⑨	Playback
⑤	Battery Status		

1. Press the power button or open the screen to turn on the camera, push the mode switch button to the Photo mode to enter 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 .

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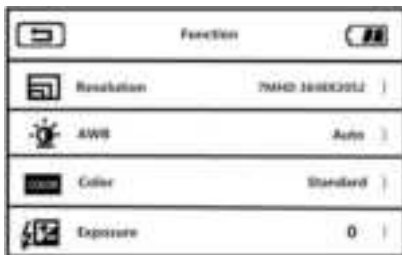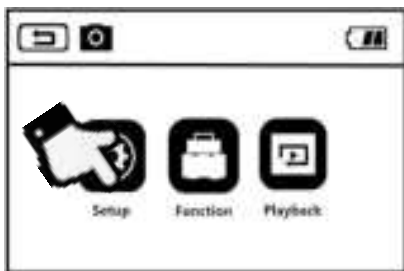
1.Press the power button to turn on the camera.
2.Press the menu button or touch the **MENU** icon on the
  screen to enter the menu.

3.Touch the"**Setup**" icon on the screen to enter the menu.

Name	Function Description
Resolution	30M/24M/20M/16M/12M/10M/7MHD/5M/ 2MHD/VGA
AWB	Auto/Daylight/Cloudy/Fluorescent/ Tungsten
Color	Standard/Brown/Black/White/ Realistic Color
Exposure	+3/+2+1/0/-1/-2/-3
Date Stamp	On/Off
Metering	Multi/Center/Spot
Sharpness	Soft/Normal/Sharp
ISO	Auto/100/200/400/800/1600

4.By switching the T/W zoom button or swipe screen to select the setting option freely.
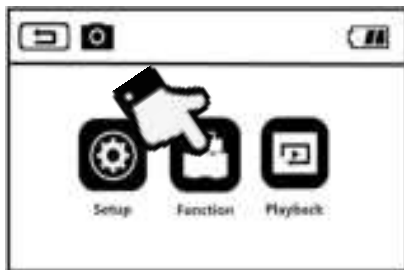
5.By touching or pressing the "**Photo** "button to select the option, for example: Resolution, enter the option menu, select the resolution you need, press 🔙 to return to the main menu, press 🏠 to return to the standby main interface.

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

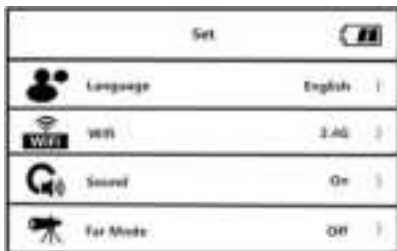| Name	Function Description
Capture Mode	By selecting: Off, 2s, 5s, 10s to selfie.
Focus	By selecting: Macro,Near Focus,Far Focus to adapt to different focus

	distance.
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 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.

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

| Name	Function Description
Language	13 Languages
WI-FI	Turning on this function by selecting 2.4G/5G, you can connect the camera with the mobile app and remotely control the camera
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, push the mode switch button to the SET mode to enter 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.

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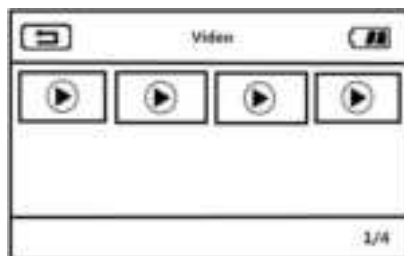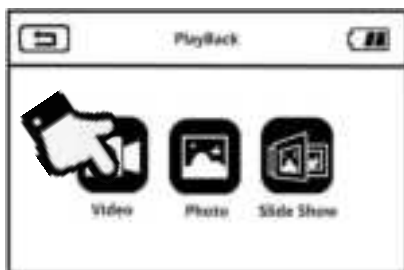
Video

1. Touch ▶️ the playback button in the photo or video
   mode to enter the main playback interface.

2. Touch 📷 the video button to enter the video playback
   interface.

3. Select any one of the video thumbnail to enter the preview
   screen.

4. Switch to the previous or next by clicking ◀️ or ▶️

5. By selecting ▶️ button or "photo button" to start
   playback.

6. 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.

7. By tapping MENU or pressing the "Menu" button, you can
   delete the current file, delete all files, lock or unlock current
   file or all files.

Photo

1. Touch ▶️ the playback button in the photo or video
   mode to enter the main playback interface.

2. Touch the 🖼️ Photo button to enter the Photo playback
   interface.

3. Select any one of the Photo thumbnail to Browse photos.

4. Switch to the previous or next by clicking [◄] or [►]

5. By tapping MENU 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. Touch [►] the playback button in the photo or video mode to enter the main playback interface

2. Touch the [▣] Photo button to enter the Slide Show interface

3. By selecting the (►) play button or "**photo**"button to start play

4. By tapping MENU 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.

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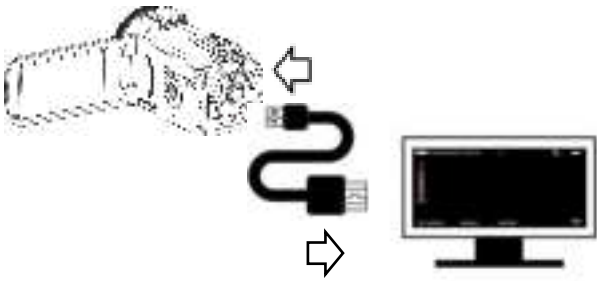
1. Press the power button or open the screen to turn on the
   camera and enter the standby state.
2. Take out the HDM cable and connect the camera with the
   HDMI connector of the TV.
3. Turn the TV to the HDMI channel, the preview screen will
   appears on the TV.

Connecting to the Computer

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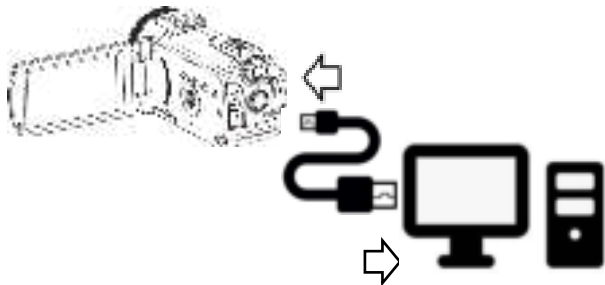
MSDC Mode

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: "MDSC"and "PC Camera".
4. Select the "**MSDC** " by turning the Zoom button.
5. Press photo button to confirm.

PC Camera

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 turning the Zoom button.

5.Press photo button to confirm.

> **Note：** When use the camera as a PC Camera, the
> camera is not able to record video.

APP Using

Downloading the APP

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.

How to Connect Wi-Fi

1.Press the power button or open the screen to turn on the
   camera, push the mode switch button to the SET mode to
   enter the "**SET"** mode.

2.Click or "T/W zoom button" to select up and down and
   confirm the selection of Wi-Fi function options, confirm the
   choice of 2.4G or 5G mode according to the mobile phone
   configuration.

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

APMode

SSID:HDVxxxxxxx

PWD:12345678

Refresh   Wi-FiOff
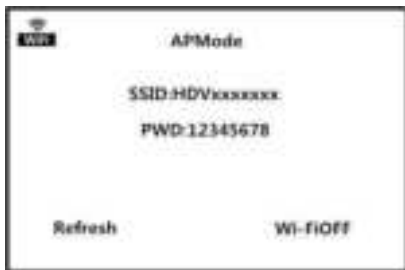
4.Enter the APP, touch " **Camera**".

D Video

LIVE

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.

Back — Setting

REC

Lens Preview

Resolution — Battery status

Record mode — Photo mode

Resolution setting — Playback

Photo/Video
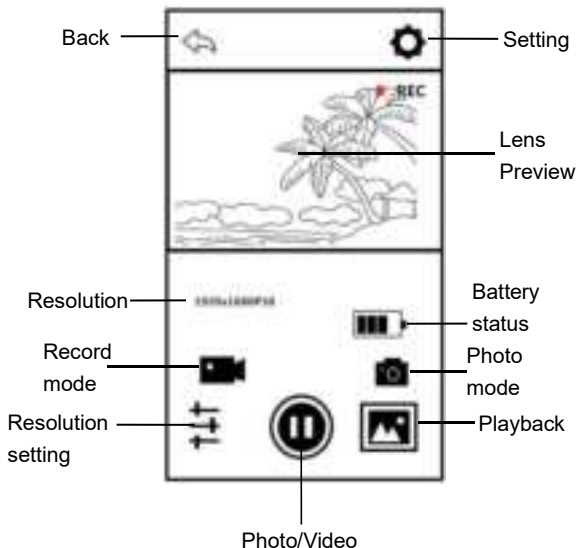
Get Started

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

APP Video Mode

1. Press 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.Press 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, audiorecording, and date

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

Video Setting	Resolution	Different Video Resolution for Options
Photo Setting	Photo Size	Different Photo Size for Options
	Exposure	+3.0/+2.0/+1.0/0.0/ -1.0/-2.0/-3.0
Other Setting	WB	Auto/Day/Cloudy/ Fluorescent/Tungsten
	Color	Stand/Sepia/ Monochrome/Vivid

	ISO	Auto/100/200/400/800/ 1600
	Wi-Fi setting	ID/Password
	Format	YES/NO
	Default Setting	YES/NO
	Surplus Space	View the storage of camera
	Firmware Version	Camera Version

APP PlayBack

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 any one of the document thumbnail to play or delete download the video to local.

4. After you press to download the photo to the local album, you can share it to the social media by clicking .

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 any one of the document thumbnail to play or download the video to local.

4. By selecting the ▼✓ on the upper right corner to single-select/multi-select video, you can delete 🗑 or download ⬇ it to the local album.

5. After you press ⬇ to download the photo to the local album, you can share it to the social media by clicking ⤳ .

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 clicking 🔗

Technical Parameters

Sensor	Sony 13.0 MP CMOS
Aperture	F：2.0
Focal length	f=4.22mm
Focus range	Macro: 5cm~10cm
	Near Focus: 25cm~100cm
	Far Focus: 1m~INF
Lens type	Digital zoom lens
Zoom	64X
External Storage	Support SD/SDHC Card(U3), Maximum 256GB
Screen	3.1-inch IPS Touch Screen
Video Resolution	Standard：4K :3840x2160 30fps
	2K :2560x1440 30fps
	FHD :1920x1080 30fps
	HD:1280x720 30fps
	VGA:640x480 30fps
	Sports：FHD :1920x1080 60fps
	HD:1280x720 120fps
	VGA:640x480 240fps

Photo Resolution	6400x4800(30M)/5600x4200(24M) 5200x3900(20M)/4608x3456(16M) 4000x3000(12M)/3648x2736 (10M) 3648x2052(7MHD)/2592x1944 (5M) 1920x1080(2MHD)/640x480 (VGA)
File format	Video:MP4 Photo:JPEG
ISO	Auto/100/200/400/800/1600
Wi-Fi	Support
IR Night vision	Yes
Hot shoe	Support external Mic/LED Light
USB port	USB2.0: MIC IN/DC IN
Lens caliber	M=37mm
Speaker	Built-in
Microphone	Built-in
Battery	NP120 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 U3 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

RF warning for Portable device:

The device has been evaluated to meet general RF exposure

requirement. The device can be used in portable exposure

condition without restriction.

NOTE:

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.

Any 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.