User Manual for S210

Foreword

Thank you very much for purchasing this digital camera. This product is provided with SONY 1/2.8-inch high-sensitivity sensor, a variety of camera modes, up to 64 million pixels and 5K video resolution and H.264 video coding format; characterized by small storage occupation and high-quality image, the product can be connected to mobile phone through Wi-Fi for point-to-point wireless connection, and has real-time viewing of camera scenes, recording, photography and other functions.

Safety

Do not drop, hit or puncture this product.
Do not store or use this product in dusty, high-temperature, low-temperature, wet or strong-vibration places, otherwise it will cause damage to this product.
Do not clean this product with corrosive chemicals or solvents.
This product has no parts that can be repaired by the user. If the product fails, please return it to the seller for repair by our company.

Warning

Keep this product, its accessories and packaging materials out of reach of children alone for fear of choking hazard.

Do not throw this product into an open flame, otherwise it may cause an explosion.

If the product will be idle for a long time, please ensure that it is fully charged and store it in a dry and cool place; and when it needs to reused, charge it fully again before use.

Contents

Before Use 1
Battery Charging..... 1
Introduction of Camera Components..... 2
Start to Use..... 5
Installing SD Card..... 5
Installing Battery..... 6
Introduction to the Dial Function..... 7
Photography/ Video Mode..... 11
Playback of Videos/ Photos 19
Connection to Computer..... 20
APP Use..... 21
Downloading APP..... 21
APP Connection..... 21

Before Use

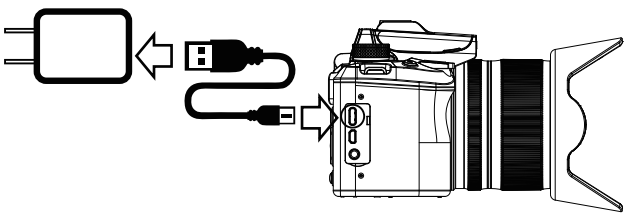
Battery Charging

Before first use of this camera, be sure to recharge NP-50 battery.

1.When the machine is in the low battery level, take out the USB cable.

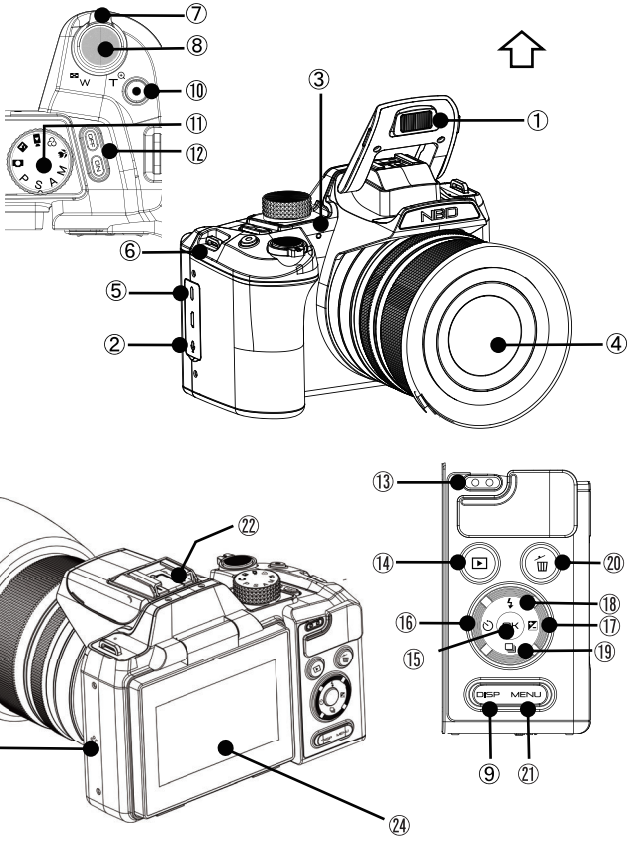
2.Connect the USB cable to the USB port and charger plug of the camera according to the figure (the charger plug is not attached to the product).

3.The red indicator light is normally on during charging, and the light will be off after the charging ends.



Notes:
1. Please use 5 V/2 A charger plug to charge the product.
2.When the camera is connected to the USB cable for charging and working simultaneously, if the USB cable is disconnected, the camera will automatically shut down.

Introduction of Camera Components



Please refer to the following table for the function description of the components in the figure above

NO.	Name	Description
1	Flashlight	Used to enhance the exposure and make the scene in a dim place brighter; please manually turn it on before use.
2	Microphone	Used for voice recording.
3	AF assist lamp	It provides the lighting for the focusing system of the camera on the subject under the dim condition, the camera's illuminates so that the focusing system can focus accurately.
4	Optical-zoom lens	Used to find a view.
5	Interface	USB interface: Used to connect with USB cable for charging or connect to computer HDMI: Used to connect with HD cable for TV connection. MIC interface: Used to connect to an external microphone
6	Shoulder strap	Used for voice recording.
7	T/W Zoom key	Optical zoom push-pull rod.
8	Camera key	Flip it for autofocus or press it photography.
9	DISP key	Used to switch over screens.
10	Video key	Press it to start/ stop video recording.
11	Photography mode dial	Used to switch over modes.
12	Power ON Power OFF	Turn on Turn off
13	Status indicator	Normally on in blue: Standby. Continuously flashing in blue: Video recording. One flash in blue: Photography Discontinuously flashing in blue: flashlight charging. Normally on in red: Charging. Red indicator off: Charging ends Red light flashes while charging. Red indicator flashing: Charging.
14	Playback key	Used to enter video/ photo playback mode.
15	OK key	Used to confirm the selection.
16	Left key	In the menu list screen, press it to get the cursor to move left; it acts as the shortcut key for timed photographing in photography mode.

17	Right key	In the menu list screen, press it to get the cursor to move right. In preview interface, press it to select the exposure compensation value.
18	UP key	In the menu list screen, press it to get the cursor to move up. In video/ photography mode: Used to turn on /off the flashlight.
19	DOWN key	In the menu list screen, press it to get the cursor to move down. It acts as the shortcut key for continuous shooting mode in the preview interface.
20	Delete key	Used to delete the current file / turn on/off WIFI in playback mode
21	Menu key	Press it to enter the menu list.
22	Hot Shoe interface	Connect to external LED light or microphone, etc.
23	Horn	Playback sound and key tone.
24	Display screen	Displaying preview or playback content, supporting 180° rotation.

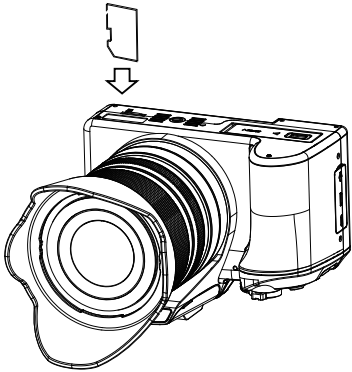
Notes:
1. Flashlight is required, please manually turn it on and press the flashlight key to select the function.
2. Flashlight is disabled in the CS (continuous shooting) and video recording mode.

Function Introduction of Dial

Auto mode		Night scene enhancement ISO	
P mode (automatic exposure)	P	Macro: 0.58 m macro	
S (Shutter priority)	S	Filter: (Type of filter)	
A (Aperture priority)	A	Video recording: Ordinary video recording, slow motion video recording, time-lapse video recording	
M (Manual parameter settings)	M		

Start to Use

Installing SD Card



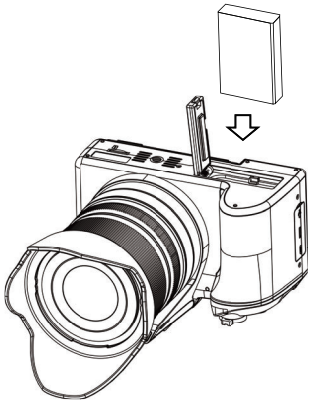
1.Insert the memory card into the slot in the direction shown in the figure until there is a click.

2.Press the memory card to rebound automatically and take out the memory card.

3.Close the battery lid.

Notes:
1. Before first use of the camera, format the MicroSD Card locally. It is strongly recommended to use a U1 MicroSD Card larger than 32 GB.
2. Do not forcibly pull out the MicroSD Card when the camera is working, Otherwise, files may be lost or the camera may fail.

Installing Battery



1.Push OPEN button to open the battery lid.

2.When the battery compartment pops up, insert the NP-50 battery in the direction shown in the figure.

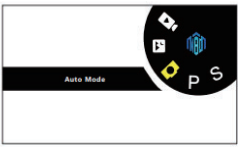
3.Close the battery lid.

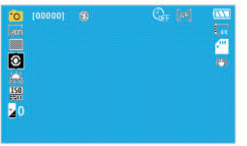
Notes:
1. Do not open the battery compartment and take out the battery violently.
2. Install the battery into the battery slot in the correct direction.

Introduction to the Dial Function

The camera has a total of 9 different shooting modes. You can switch between them by turning the mode dial on the top. The details are as follows:

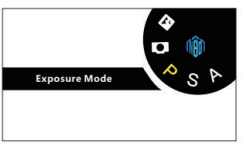
Auto Mode

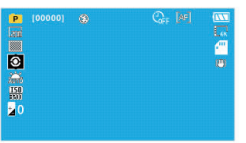




Auto Mode is a very simple shooting mode, suitable for users without any photography foundation. In this mode, the camera automatically adjusts parameters such as aperture, shutter speed, and ISO. All the user needs to do is aim at the shooting target and press the shutter.

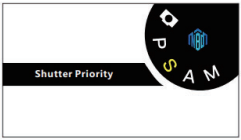
Exposure Mode

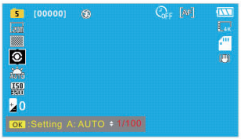




The camera calculates the exposure amount based on the light intensity and exposure time. It prevents over - exposure or under - exposure by adjusting the aperture, shutter speed, and ISO sensitivity, ensuring that photos and videos have an appropriate brightness level..

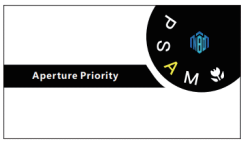
Shutter Priority mode





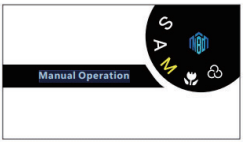
In Shutter Priority mode, the camera automatically adjusts the aperture according to the metering result. Press the "OK" button to manually define the shutter speed, and use the "Up" / "Down" buttons to adjust it. This mode is suitable for shooting moving objects. You can capture clear dynamic images by adjusting the shutter speed.

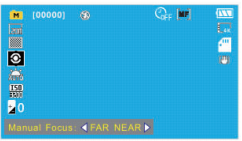
Aperture Priority mode



In Aperture Priority mode, press the "OK" button to access the aperture setting. Adjust the aperture size using the "Up" or "Down" buttons. The camera will automatically calculate the shutter speed according to the selected aperture, light intensity, and ISO value, ensuring proper exposure. This involves manual parameter setting.

Manual Operation



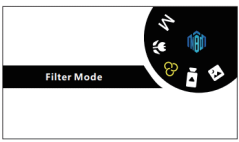


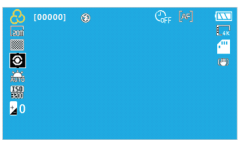
In this mode, you can adjust the focus distance by pressing the "Left" or "Right" button to achieve a more accurate focusing effect. For example, when shooting a distant view of the moon, the autofocus mode may have difficulty achieving accurate focus. In such cases, you can perform manual focusing to adjust the sharpness of the image.

Macro Photography

Macro Photography is a mode used in professional photography for close - up shooting of small subjects. Once activated, the camera's focusing system is adjusted to enable focusing on objects just a few centimeters away. This allows you to capture details that are difficult to see with the naked eye, such as the textures, scales, and antennae of flowers, birds, fish, and insects. It showcases their unique charm and broadens the dimensions of photography.

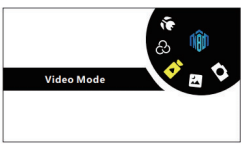
Filter Mode





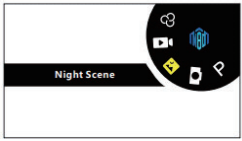
Filter Mode can bring diverse changes to photography. In this mode, by using the built - in filters, you can adjust parameters such as the color, tone, and contrast of the photo, thereby changing the style and effect of the photo to meet your creative needs.

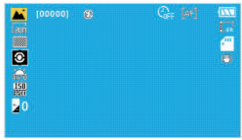
Video Mode



In this mode, you can perform normal video recording and loop recording. Additionally, you can set the video resolution, with the maximum setting of 5K/30fps to meet various video quality requirements. Moreover, you can adjust the focal length of the lens by using the zoom - in and zoom - out keys to bring the subject closer or farther away.

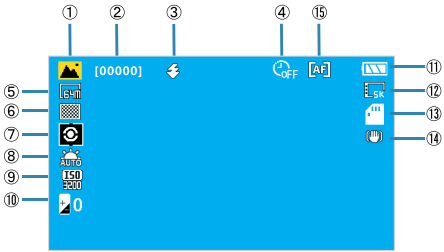
Night Scene





Night Scene mode is specifically designed for night - time photography. It can effectively reduce noise in photos taken at night, enhance details in dark areas, balance exposure, and prevent over - exposure or under - exposure. In addition, the Night Scene mode can accurately restore the true colors of the night, ensuring that clear and vibrant photos can be taken even in low - light environments, fully meeting the needs of night - time photography.

Photography/ Video Mode



①	Camera App Mode	②	Remaining Photos Allowed
③	Flash Status	④	Timer Photography
⑤	Photo Pixel	⑥	Image Quality
⑦	Light Metering Status	⑧	White Balance Status
⑨	ISO Sensitivity Value	⑩	Exposure Compensation Value
⑪	Battery Level Status	⑫	Recording resolution
⑬	Memory Card Insertion Status	⑭	Image Stabilization
⑮	Focus Status		

1.Press the power button to start the camera and enter the preview main interface.

2.Complete the function settings through the setting menu and photography mode dial.

3.Flip the camera key for focusing, and press the camera key to take a picture.

4.Press the Video button to start video recording.

Photography Menu

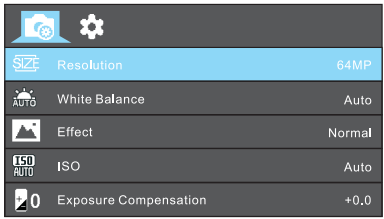


Image size	64 MP/ 56 MP/ 48 MP/ 20 MP/ 14 MP/10 MP/ 8 MP/ 4 MP/ 2 MP
Whie balance	Auto/ Daylight/ Cloudy/ Incandescent/ Fluorescent (H)
Effects	Original/ black and white/ nature/ negative/ warm tone
ISO	Auto / 100/ 200/ 400/ 800/ 1600/ 3200
Exposure compensation	3, 2, 1, 0, -1, -2, -3
Continuous shooting	3 photos at a time / 5 photos at a time / 10 photos at a time / OFF
Time-lapse photography	2 seconds/ 10 seconds / OFF
Photometric mode	Center / multi-shot / shot
Image quality	Excellent/ good/ normal
Acutance	Excellent/ good/ normal
Time watermark	Off / date/ date and time

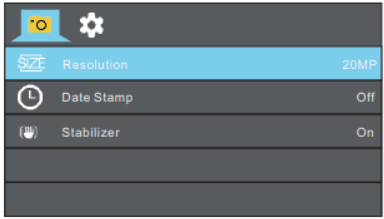
1.Press the power button to start the camera and enter the preview main interface.

2.Press Menu key to enter the menu list interface.

3.Select the desired function through “UP” or “DOWN” key and then press “OK” key to confirm your selection.

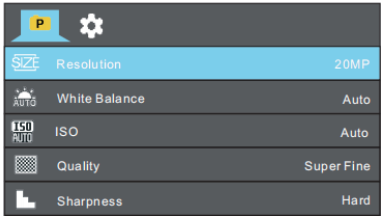
Photography Menu

Auto Mode



Resolution	64MP/ 56MP/ 48MP/ 20MP/ 14MP/ 10MP/ 8MP/ 4MP/ 2MP
Date Stamp	Disabled / Date Only / Date & Time
Stabilization	Off / On

Automatic Exposure Mode

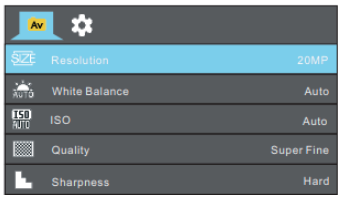


Resolution	64MP/ 56MP/ 48MP/ 20MP/ 14MP/ 10MP/ 8MP/ 4MP/ 2MP
White Balance	Auto / Daylight / Cloudy / Incandescent / Fluorescent (H)
ISO	Auto / 100 / 200 / 400 / 800 / 1600 / 3200
Quality	Superfine / Fine / Normal
Sharpness	Superfine / Fine / Normal
Timestamp	Off / Date / Date & Time
Stabilization	Off / On

Shutter Priority

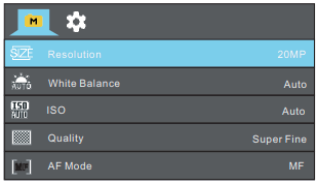
Resolution	64MP/ 56MP/ 48MP/ 20MP/ 14MP/ 10MP/ 8MP/ 4MP/ 2MP
Metering	Center-weighted / Multi-spot / Spot
Quality	Superfine / Fine / Normal
Sharpness	Superfine / Fine / Normal
Timestamp	Off / Date / Date & Time
Stabilization	Off / On

Aperture Priority



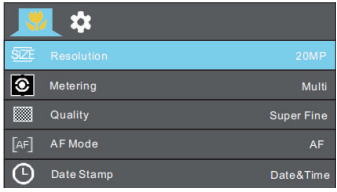
Resolution	64MP/ 56MP/ 48MP/ 20MP/ 14MP/ 10MP/ 8MP/ 4MP/ 2MP
White Balance	Auto / Daylight / Cloudy / Incandescent / Fluorescent (H)
ISO	Auto / 100 / 200 / 400 / 800 / 1600 / 3200
Quality	Superfine / Fine / Normal
Sharpness	Superfine / Fine / Normal
Timestamp	Off / Date / Date & Time
Stabilization	Off / On

Manual Parameter Settings



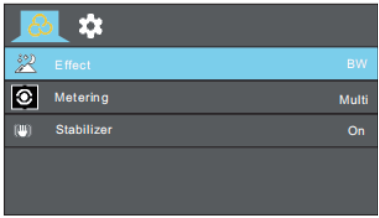
Resolution	64MP/ 56MP/ 48MP/ 20MP/ 14MP/ 10MP/ 8MP/ 4MP/ 2MP
White Balance	Auto / Daylight / Overcast / Incandescent / Fluorescent (High)
ISO	Auto / 100 / 200 / 400 / 800 / 1600 / 3200
Quality	Superfine / Fine / Normal
Focus Mode	Auto Focus / Manual Focus
Sharpness	Superfine / Fine / Normal
Timestamp	Off / Date / Date & Time
Stabilization	Off / On

Macro Mode



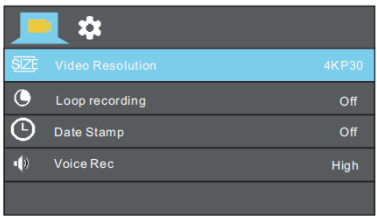
Resolution	64MP/ 56MP/ 48MP/ 20MP/ 14MP/ 10MP/ 8MP/ 4MP/ 2MP
Metering Mode	Center-weighted / Multi-zone / Spot
Quality	Superfine / Fine / Normal
Focus Mode	Auto Focus / Manual Focus
Timestamp	Off / Date / Date & Time
Stabilization	Off / On

Filter



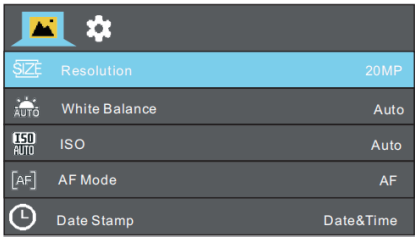
Effects	Original / Black & White / Natural / Negative / Warm Tone
Metering Mode	Center-weighted / Multi-zone / Spot
Stabilization	Off / On

Video Recording Mode



Video Resolution	5KP30/4KP30/2.7KP30/2KP30/1080P30/1080P60/720P60/720P120
Loop Recording	Off / 1 Minute / 5 Minutes
Timestamp	Off / Date / Date & Time
Audio Recording	Off / Normal / High

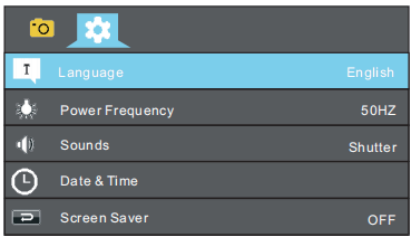
Night Scene Mode



Resolution	64MP/ 56MP/ 48MP/ 20MP/ 14MP/ 10MP/ 8MP/ 4MP/ 2MP
White Balance	Auto / Daylight / Cloudy / Incandescent / Fluorescent (High)
ISO	Auto / 100 / 200 / 400 / 800 / 1600 / 3200
Focus Mode	Auto Focus / Manual Focus
Timestamp	Off / Date / Date & Time
Stabilization	Off / On

1、Press the power button to turn on the camera and enter the main preview interface.
2、Press the "Menu" button to access the function menu list.
3、Navigate to the desired function using the "Up" or "Down" button, and press the "OK" button to confirm your selection.

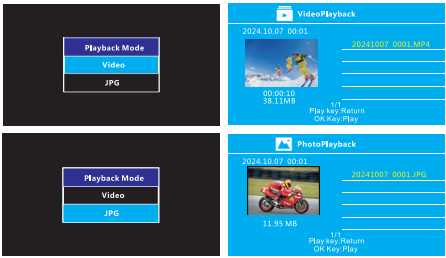
Setting Menu



Language	English、简体中文、繁体中文、Espanol、Italiano、Português、Deutsch、Francais、Polski、PycckNN、日本語、한국어
Light Frequency	50Hz / 60Hz
Sound Settings	Shutter Sound: On / Off Boot Sound: On / Off Keypad Sound: On / Off Volume: Three levels of loudness
Date & Time	Set year, month, day, hour, minute, and second
Screen Saver	1 minute / 3 minutes / 5 minutes / Off
Auto Power Off	1 minute / 3 minutes / 5 minutes / Off
Fill Light	Auto / On / Off
WiFi Mode	ON/OFF
WIFI SSID	4K WIFI (modifiable via buttons)
Wi-Fi Password	12345678 (modifiable via buttons)
WiFi Settings Reset	Yes / No
WiFi Channel	Auto/01/02/03/04/05/06/07/08/09/10/ 11/12/13
Format	Yes / No
System Information	Model: S210, Current Firmware Version
Restore Factory Settings	Yes / No

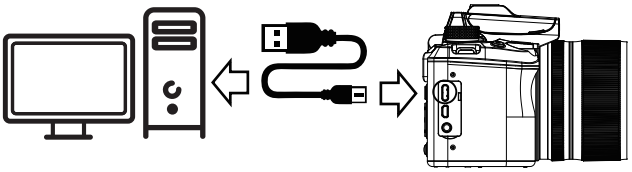
1、Press the power button to turn on the camera and enter the main preview interface.
2、Press the "Playback" button to enter the playback interface and select video or photo playback.
3、Press the "Up" or "Down" button to switch to the previous or next item.
4、While browsing videos, press the "Confirm" button to start or pause playback. Push or pull the "T/W Zoom" button to adjust the playback volume. Press the "Up" button for fast forward playback, the "Down" button for rewind, and the "MENU" button to play the video in slow motion. Press the "OK" button again to exit slow motion playback. Press the "Playback" button to stop playback.
5、Press the "Delete" and "Confirm" buttons to delete the currently viewed file.

Playback of Videos/ Photos



1.Press the power button to start the camera and enter the preview main interface.
2.Press Playback key to enter the playback screen and select a video or photos to play back.
3.Press the Up or Down key to switch to the previous or next option.
4.When viewing a video, press the OK key to start or pause the playback; press Up key to turn up the playback volume, or press Down key to turn down the playback volume, press Left key for fast backward playback of photos, press Right key for fast forward playback of photos, and press Video key to stop playback.
5.Press Delete key and Confirm key to delete the current previewed file.

Connection to Computer



Function of Removable Disk

1.Press the power button to start the camera and enter the preview main interface.
2.Take out the USB cable and connect it to the USB interfaces on the camera and the computer.
3.When there is the prompt of connection to computer and camera options in the camera, press the UP or DOWN key and then press OK key to confirm the selection of "Connection to computer".
4.The camera preview screen enters the Removable Disk mode, and “Removable disk” is displayed on the PC.

Webcam Function Web

1.Press the power button to start the camera and enter the preview main interface.
2.Take out the USB cable and connect it to the USB interfaces on the camera and the computer.
3.When there is the prompt of connection to computer and camera options in the camera, press the UP or DOWN key and then press OK key to confirm the selection of "Camera".
4.The camera preview screen enters the Camera mode; at the moment, you can open the video equipment software in the computer to view camera scenes.

Note:
When the camera serves as a webcam, other operations can be performed, and the video recording or photography function shall be realized through the third-party software.

APP Use

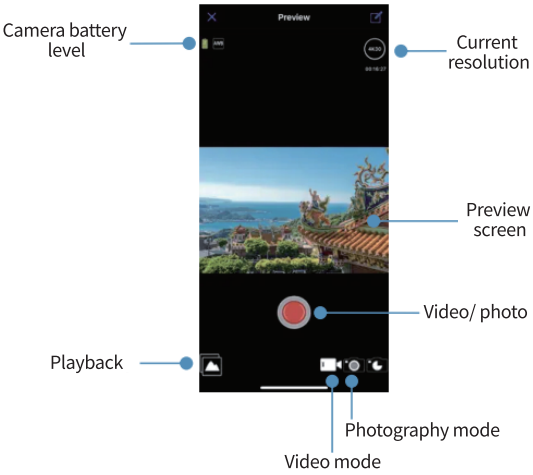
Downloading APP

IOS mobile phone users enter the APP Store to search for "iSmart DV2" and download the APP; Android mobile phone users enter the MIUI / OPPO/ Huawei Store or Google Play to search for "iSmart DV2"and download the APP. Besides, you can also download the APP by scanning the QR code on the right.

Android IOS

APP Connection

1.Press the power button to start the camera and enter the preview main interface.
2.Press Menu key to enter the menu list interface.
3.Select the desired function through “UP” or “DOWN” key and then press “OK” key to confirm your selection and enable WiFi function.
4.Open the "Settings" of the mobile phone to access the Wi-Fi function, find the Wi-Fi named "S210_207"
5.Enter Wi-Fi password of 12345678 to connect the Wi-Fi successfully.
6.Return to the homepage of the mobile phone, open "iSmart DV2" and click "Connect Camera" option to enter the main preview screen of the APP.



Notes:
1. The Wi-Fi password of the camera is 12345678 by default. If the device fails to be connected, please check whether the Wi-Fi password is correct.
2.This Wi-Fi function is a point-to-point wireless connection within a limited distance and the longest connection distance is about 7 m, please use this function within the effective distance.

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.

Specific Absorption Rate (SAR) information:
This Communicator meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health. FCC RF Exposure Information and Statement the SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue.

Device types: Communicator has also been tested against this SAR limit. This device was tested for typical body-worn operations with the back of the phone kept 0mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain an 0mm separation distance between the user's body and the back of the phone. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.