

Digital Camera

User Manual



Content

Before Use.....	2
Product Description.....	4
Battery/Micro SD Card Installation.....	7
Battery charging.....	8
Micro SD Card Formatting.....	9
LED Flash	10
Basic shooting operations.....	11
Shooting Basic Icons.....	13
Basic Camera Settings.....	14
8 Shooting Modes.....	17
APP connects to camera WIFI.....	19
Other Features.....	21
Parameters.....	24
Troubleshooting.....	25
FCC Warning Statement.....	27

Before Use

- **Usage Guidelines**

1. Before using this camera, please read the user manual thoroughly.
2. Due to camera updates and upgrades, there may be slight differences between the camera's physical appearance and the user manual. Please refer to the actual product.
3. Before inserting or removing a memory card, please ensure that the camera is turned off.
4. For new memory cards or those previously used in other cameras, please format them via this camera before your first use.
5. Avoid using the camera in environments with excessive dust, sand, or water to prevent their ingress.
6. Usage in extremely cold or hot environments is not recommended.
7. When attaching or detaching external accessories such as flash to the hot shoe, ensure that the power is turned off, and verify that the accessory is securely attached to the camera.
8. Clean the camera with a cloth or damp tissue if it becomes dirty. Use a lens cleaning cloth for the lens and screen.
9. When not in use, remove the battery from the camera and store it in a cool, dry place.

- **Safety Precautions**

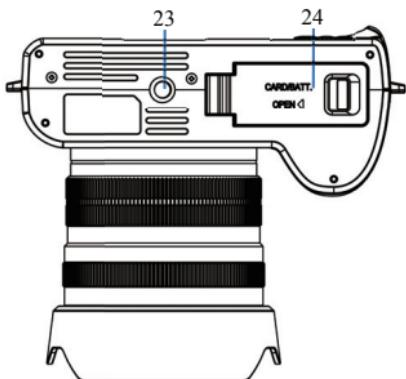
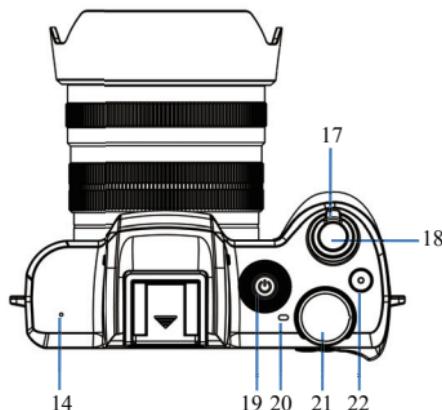
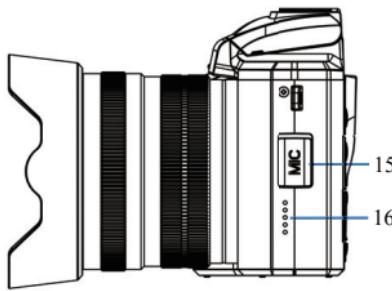
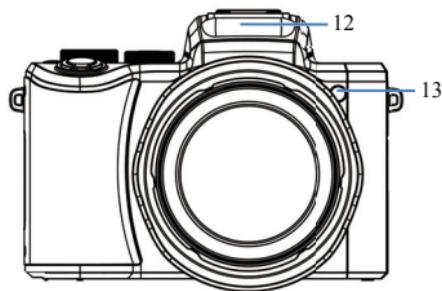
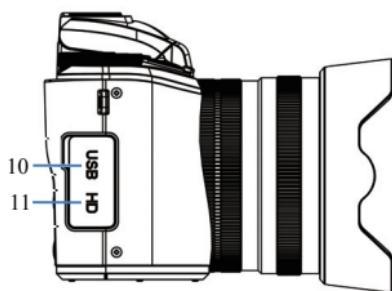
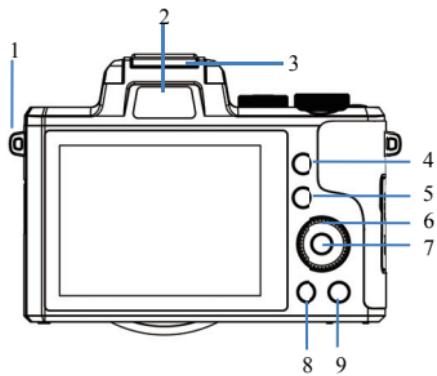
Improper handling of the battery may result in battery rupture, fire, chemical burns, and other hazards. Please adhere to the following precautions:

1. Do not disassemble the battery.
2. Avoid squeezing, exposing, or subjecting the battery to impacts or gravity, such as hammering, dropping, or stepping on it.
3. Prevent metal objects from contacting the battery terminals to avoid short-circuiting.
4. Do not expose the battery to temperatures exceeding 60°C (140°F), such as direct sunlight in a car.
5. Do not incinerate the battery.
6. Avoid direct contact with damaged or leaking lithium-ion batteries.
7. Use the original charger or a compatible charger to charge the battery.
8. Keep the battery out of reach of children.
9. Store the battery in a dry place.
10. When replacing the battery, use an original or equivalent type of battery.
11. Please follow the instructions in the manual to properly dispose of used batteries.

- **The Micro SD Card**

This camera supports 4-256 GB Micro SD card, compatible with Class 10 or U1.

Product Description



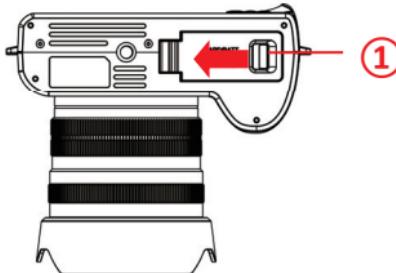
No.	Name	Function
1	Lanyard Hole	/
2	Selfie Camera	Take selfies
3	Hot Shoe	Install camera external accessories
4	Front and Rear lens Switch Key 	Switch front and rear cameras
5	Screen display button 	Shows or hides screen icons and grid view
6	Up/Down/Left /Right buttons	Up  : Moves upward/ Selects flash mode; Down  : Moves downward/ Quickly deletes files; Left  : Moves left/ Timer shooting ; Right  : Moves right/ Photo burst mode
7	OK button 	Confirm menu selection, video play or pause
8	Playback button 	Turn on playback mode to play back captured photos and videos
9	Menu button 	Camera system settings and shooting settings
10	USB port	Connects to data/charging cable

11	HD port	HD output interface
12	Flash	Open camera top flash cover to activate, close cover to deactivate
13	AF Assist Lamp	Assisted focus
14	Built-in microphone hole	Voice recording
15	MIC port	For an external microphone
16	Speaker holes	/
17	Zoom lever	Adjusting the camera focus; Zooming in/out of photos (playing back photos); Turning up/down the volume (playing videos)
18	Shutter	Half press to focus, full press to take a picture
19	Power 	Turn on/ off
20	Indicator light	Blue indicator light: camera is working Red indicator light: camera is charging The indicator light turns off after the camera is fully charged
21	Shooting mode dial	Use the indicator light as a guideline and rotate to determine the shooting mode
22	Video recording button	Start/end video recording
23	Tripod socket	Tripod mounting interface
24	Battery cover	Where battery and Micro SD card are placed

Battery/Micro SD Card Installation

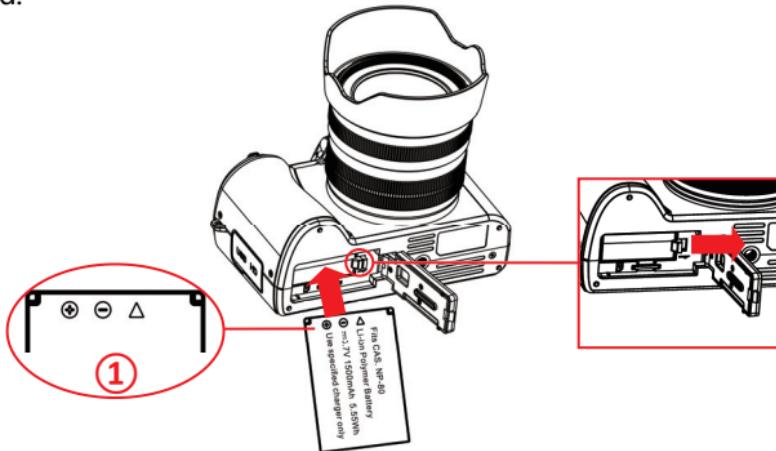
- **Open the battery cover**

Please push the cover(①) as shown below to unlock



- **Insert the battery**

Please insert the battery as shown below until the battery is locked. Please note that incorrectly inserted batteries will not be able to be locked.



- **Remove the battery**

Push the battery lock lever and the battery will pop out automatically.

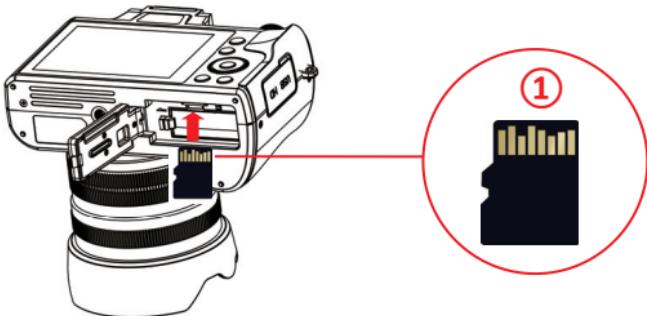
- **Install Micro SD card**

Please insert the card as shown in the picture and keep pressing until the card is locked.

If you need to remove the micro SD card, keep press it to unlock.

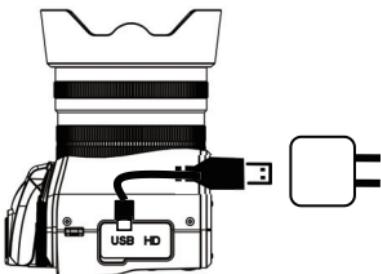
Please Notice:

1. This camera supports 4-256 GB, compatible with Class 10 or U1.
2. For first time use, please format the micro SD once in the camera.



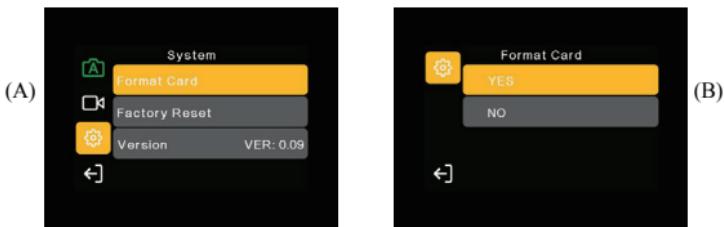
Battery Charging

1. Insert the battery into the camera.
2. Use the USB cable (Type-C) to connect the camera to the power supply adapter.
3. Charging indicator :
Red light on: charging is in progress.
Red light off: the battery is full and needs to stop charging.



Micro SD Card Formatting

1. This camera supports 4-256 GB Micro SD card, compatible with Class 10 or U1.
2. After turning on the camera, please click the "MENU" () button to menu setting, then press the "right" key () to select "System"
3. After enter "System" setting , Press the "Up" key () to find the "Format Card" .



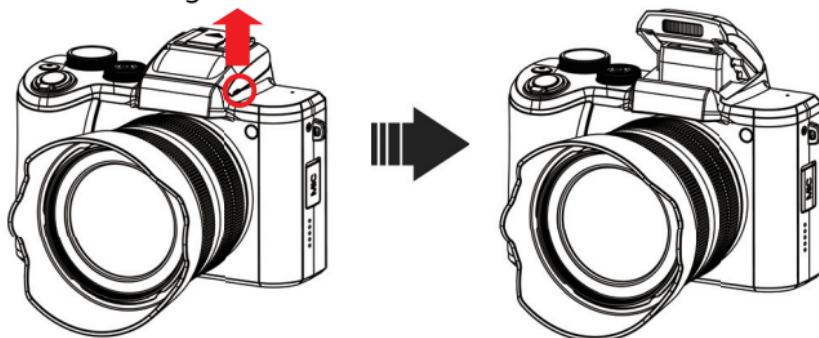
Notes:

1. Don't mistakenly click on the format options during using.
2. Once the SD card is formatted, you should not format it again.
(Only format new SD cards for the cameras use the first time)
3. As a suggestion, you'd better backup the photos to your computer from time to time.
4. If you want to reformat the SD card, it is recommended to backup your pictures on a computer first because reformatting will erase any pictures remaining.

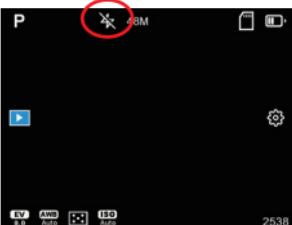
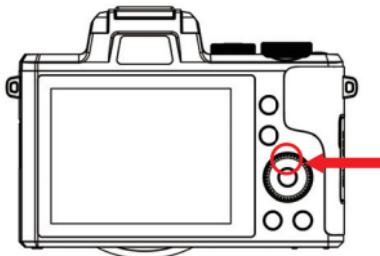
LED Flash

• Opening LED Cover

Underneath the camera's hot shoe is a raised LED cover snap that allows the LED cover to be lifted upward to turn on the LED light. When the LED light is not needed, the LED cover can be closed to turn off the LED light.



• Switching Flash Modes



1. After opening the LED cover, press the flash button  to open the flash.

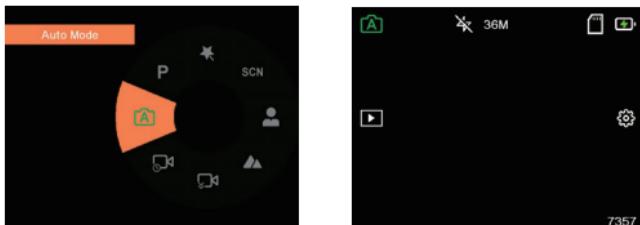
2. The camera flash is in off mode by default. Press the flash button  to switch the flash mode

 Flash Off	The flash will not activate when taking photos in any condition.
 Auto Flash	The built-in flash will automatically activate when taking photos in low light conditions.
 Forced Flash	The built-in flash will activate for every photo, regardless of bright or low light conditions.

Basic shooting operations

- **Taking pictures**

1. After the camera is turned on, please adjust the mode knob to the green Auto shooting mode
2. Half press the shutter and a green frame will appear on the screen to focus; full press the shutter to take the picture.
3. The zoom can be adjusted by the zoom knob.



- **Taking Videos**

1. After the camera is turned on, in any shooting mode.
2. Press the camera button (REC) to start recording.
3. The zoom can be adjusted by the zoom knob.

4. Press the camera button again to end the recording.

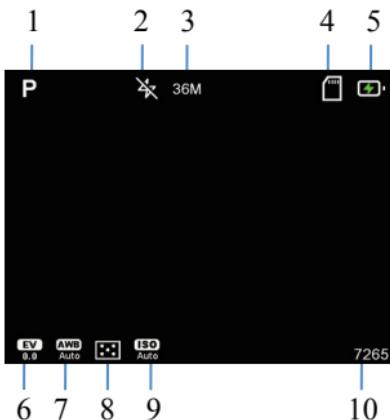


- **Introduction to playback mode**

1. After the camera is turned on, press playback button (◀) to enter playback mode. You can browse the photos by pressing the left and right key
2. Press the playback button (◀) to exit
3. View photos: Turn the zoom knob to zoom in or out.
4. View video: Press OK button (OK) to play the video, press again to pause the video.
5. File information: When browsing photos or videos, press DISP key (DISP) to show the related information of the photo or video, and press DISP key (DISP) again to hide the information.
6. Delete File: When viewing a photo or video, press the Down button (>Delete) to quickly delete the file.

Shooting Basic Icons

Example: Program Exposure Mode screen icon



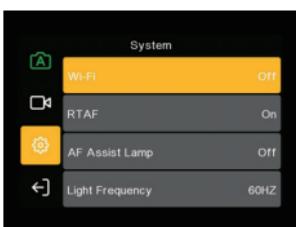
No.	Icon	Description
1	Shooting mode	Shooting mode by default. Rotate the mode dial to switch modes
2	Flash Mode	Press the flash button to switch flash modes: off/auto flash/forced flash (flash needs to be lifted up to open before operation)
3	Pixel/Image Size	Photo pixels or video resolution of the current shooting setting
4	Memory card	Installed or not
5	Battery status	Battery is charging or battery level is showed
6	Exposure Compensation	Current exposure compensation value
7	White Balance	White Balance by default

8	Metering Mode	Current metering mode: Center/Spot/Multi
9	Sensitivity	Current Sensitivity
10	Available space	Remaining memory for photos or available duration for video recording

Basic Camera Settings

• System setup

Enter system settings: after powering on >> Menu (MENU) >> Left (Ⓐ)/Right (Ⓑ) >> Playback (Ⓑ) >> .



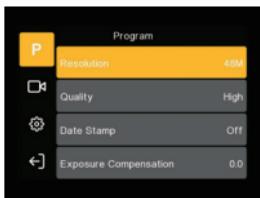
Wi-Fi	Off / On : Cameras can be connected via Wi-Fi to devices such as smartphones and tablets.
Continuous Autofocus	Off: Continuous Autofocus will turn off and you need to half-press the focus button for the lens to focus; On: Continuous Autofocus the camera can automatically adjust the focus according to the real-time state of the subject (motion or motionless), suitable for shooting when the subject is constantly switching between motion or stillness.

AF assist lamp	Off; Auto: In darker environments, the assist lamp will automatically turn on when focusing
Optical frequency	50 Hz/60 Hz
Sound Setting	Sound Switch Setting
Date and time setting	Left or Right buttons can switch year/month/day/hour/minute; Up or Down buttons can adjust the date and time figures
Time type	yy/mm/dd, mm/dd/yy, dd/mm/yy
Auto Power off	can be selected to automatically power-off after 1/3/5 minutes
Language	Multi-language
Formatting	Formatting the memory card for the first time before use
Reset to Factory Defaults	Reset the camera to its default settings
Version	Display the number of the device version

• Photo Settings

To enter the photo setting: Mode knob>>Photo Mode>>Menu

Button ()>>Photo Setting



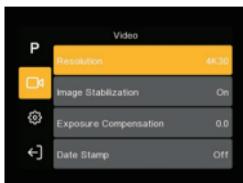
Example: P mode photo setting

Resolution	88M ; 80M ; 72M ; 64M ; 56M ; 48M ; 36M ; 24M ; 20M ; 16M ; 12M ; 8M ;
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	5M
Image quality	High/Middle/Low
Timestamp	Off/Date/Date And Time
Exposure compensation	EV-2.0~EV+2.0
White Balance	Auto/Daylight/Overcast/Incandescent/Fluorescent(H)/Fluorescent(L)
Metering modes	center/multi/spot
ISO	Auto/100/200/400/800/1600/3200
Timelapse Photo	Off/3s/5s/10s/30s/1min
Timelapse Duration	Unlimited/5min/10min/15min/20min/60min

• Video settings

To enter the video setting: Mode knob >> Recording mode >> Menu button (MENU) >> Video setting.



Example: P-mode video setting

Image size	8K 15FPS ; 6K 30FPS ; 5K 30FPS ; 4K 30FPS ; 2.7K 30FPS ; 1080P 60FPS ; 1080P 30FPS ; 720P 60FPS ; 720P 30FPS
Image Stabilization	On/Off
Exposure compensation	EV-2.0~EV+2.0
Timestamp	Off/Date/Date And Time

8 Shooting Modes

- **Switching shooting modes**

After powering on, turn the mode knob to select one of the eight shooting modes

The mode that needs to be switched:

Smart shooting, programmed exposure, special effects, scene modes, Portrait, Scenery, Slow Motion Recording, Time-Lapse Recording



- **Introduction**

1. Auto Mode

The camera determines and sets the appropriate values to ideally capture images of any object.



2. Program

You can set your own exposure, white balance, metering mode, sensitivity, etc. for shooting.



3. Filter

A variety of effects can be set for shooting: natural, vivid, black and white, negative, nostalgia, warm tones, cool tones, high contrast, red, green, blue.



4. Scene mode

You can shoot with preset settings according to the scene: sports, food, sunset, night Scenery, back lighting, fireworks.



5. Portrait

Portrait Mode creates vivid images by focusing on the human figure to clearly express portrait features;



6. Landscape

Scenery mode allows you to capture an entire range of scenery with sharp focus and vivid colors for clear and detailed images.



7. Slow motion video recording

In slow motion recording mode, press the shutter release button to start slow motion recording, the camera will shoot at a film speed higher than the normal frequency, moving objects will leave a moving image on the video when exposed, and its video duration will be longer, the movement of the motion during video playback will be slower than the actual situation.



8. Time-lapse video recording

In time-lapse recording mode, set the interval (1 second/ 3 seconds/5 seconds/10 seconds/30 seconds/1 minute) and duration (unlimited/5 minutes/10 minutes/15 minutes /20 minutes/60 minutes, press the shutter release button, the camera will record a video with an interval of 1 second, 3 seconds, 5 seconds, 10 seconds, 30 seconds or 1 minute according to your settings in the duration of the Video. Time-lapse recording is a technique that compresses the recording time to make it shorter, i.e., turning a long video into a short, fast-motion video. To stop time-lapse recording, press the camera button again.



APP connects to camera WIFI

- **Installing the App**

1. For Android users, please search and install "iSmart DV2" app from Google Play.
2. For iPhone users, please search and install "iSmart DV2" app from the App Store.



iSmart DV2

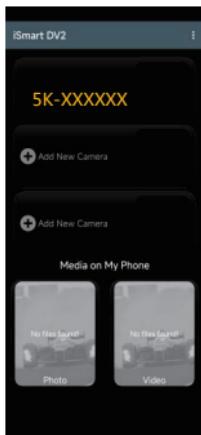
- **Connecting to WIFI**

1. After the camera is powered on, long press the Menu Button (MENU) for 3 seconds to open WIFI signal source of the camera. The camera screen will display the WIFI name and password.
2. Open the WIFI settings on your smartphone or tablet, find the camera's WIFI name "5K-XXXXXX", click to connect, and enter the camera's WIFI password.

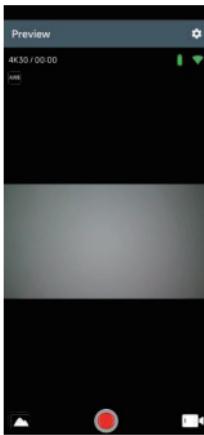


• Using the App

1. After successful WIFI connection, users can use the app to preview, browse the camera's photos and videos, and download files from the camera to the smartphone or tablet for sharing. The app also allows for remote control.
2. Before using the app, please set the camera's video resolution to 2K or below. If the video resolution is set to 5K, the files may be too large to transfer, and the app may not function properly.
3. Before downloading files to your phone, please ensure that your phone has enough space and speed to play the files. Otherwise, videos may not play smoothly.



Previewing with the App
while Connected to WIFI



Previewing Videos and Photos
on the App

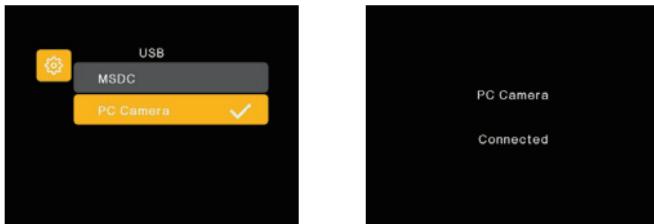
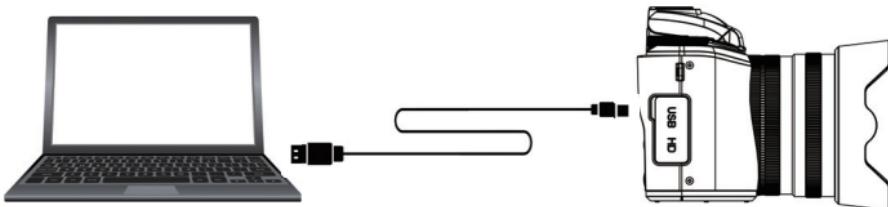
• Disconnecting WIFI

To disconnect WIFI, simply short press the Menu Button (MENU) to turn off the camera's WIFI.

Other Features

- **Front camera -- webcam**

1. Use the USB cable to connect the camera to the computer.
2. After the computer recognizes the camera, the USB interface will pop up, please select "Camera".
3. This camera will be automatically recognized when your computer opens social media, so please select "USB CAMERA" in the external camera settings of your social media software.
4. To exit the webcam mode, please press and hold the power button until power off.

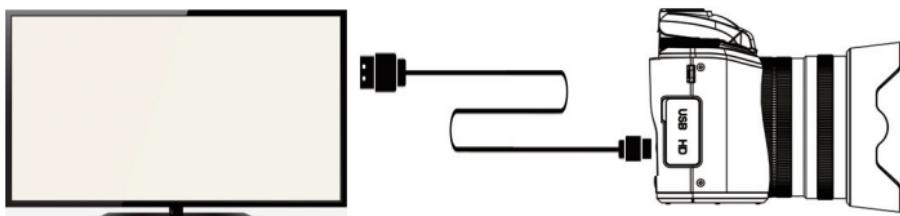


- **Self-timer camera -- webcam**

1. Please turn on the camera.
2. Press the Camera Conversion button to put the camera into selfie mode.
3. Use the USB cable to connect the camera to your computer.
4. After the computer recognizes the camera, the USB interface will pop up, please select "Camera".
5. This camera will be automatically recognized when your computer opens social media, so please select "USB CAMERA" in the external camera settings of your social media software.
6. To exit the webcam mode, please press and hold the power button until power off.

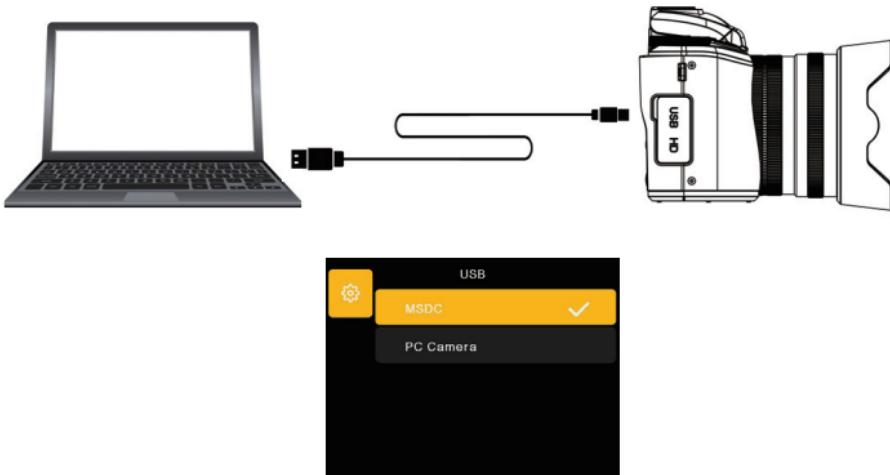
- **Connect to TV for playback**

1. Please use the HD cable to connect the camera to the TV.
2. Connect the camera and TV, please press the menu button of the camera twice to enter the playback mode, select the video file by "up button/down button", press OK button to play the video.
3. To exit TV playback, press and hold the camera power button until it is turned off.



- **File uploads to computers**

1. Use the USB cable to connect the camera to your computer.
2. After the computer recognizes the camera, the USB interface will pop up, please select "removable hard disk".
3. Once connected, you can upload photos and videos from your camera to your computer.
4. To exit the upload, press and hold the power button until it turns off.
5. You can also insert your camera's memory card into a card reader, then connect your computer with the card reader and upload the files on the card.



Parameters

Photo resolution	88M(10848×8136) ; 80M(10336×7752) ; 72M(9824×7368) ; 64M(9248×6936) ; 56M(8640×6480) ; 48M(8000×6000) ; 36M(6880×5160) ; 24M(5600×4200) ; 20M(5120×3840) ; 16M(4640×3480) ; 12M(4032×3024) ; 8M(3264×2448) ; 5M(2592×1944)
Video resolution	8K(7680×4320)15FPS ; 6K(5760×3240)30FPS ; 5K(5120×2880)30FPS ; 4K(3840×2160)30FPS ; 2.7K(2688×1512)30FPS ; 1080P(1920×1080)60FPS ; 1080P(1920×1080)30FPS ; 720P(1280×720)60FPS ; 720P(1280×720)30FPS
Photo format	JPG
Video format	MP4
Focusing	16X digital zoom, autofocus support
Focusing	Lens: Ff(F/1.8 , f=4.8mm) ; Selfie Camera: Ff(F/2.2 , f=3.37mm)
Optimum shooting distance	Lens: 10cm-infinity; Selfie Camera: 40-150cm
Shutter speed	1/2 second-1/3840 second
Screen Size	3.2-inch IPS HD touch screen
Battery	Rechargeable Li-ion battery
USB	Type-C connector
MIC	3.5mm interface
Anti-shake	Built-in 6-axis gyroscope, support electronic stabilization
Tripod mounting holes	1/4-inch standard screw port
Inputs	5V=1A
Operating System	Win7/Win8/Win 10/ Win 11

Troubleshooting

Camera doesn't start after installing the battery:	Battery is low, please charge and try again. Battery packaging is not removed. Battery is inserted incorrectly, ensure proper orientation.
Unable to take photos or record by pressing the shutter button:	Memory is full, save files to another storage device.
Blurry photos:	Camera shake during capture. Keep the camera steady with both hands or use a tripod.
Dark photos or videos:	Insufficient lighting, shoot in well-lit conditions or use additional lighting.
Camera auto shuts down:	Low battery, replace with a charged battery. Disable auto-shutdown in system settings.
Cannot delete files from the camera:	Files are locked, disable file lock in playback settings.
Camera freezes or displays distorted screen:	Storage card format error, format the card in-camera or on a computer. Loose connection of the screen's connecting cable (requires repair).
Charging issues:	Battery not properly inserted, ensure proper installation.

	Clean battery metal contacts if they're dirty, then charge.
	Ensure USB charging cable and power adapter are properly connected.
	Red light staying on indicates charging, blinking red light indicates improperly inserted battery, light off indicates full charge.
	Faulty battery IC (requires repair).

FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user' s authority to operate the equipment. 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.

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.
- (2) this device must accept any interference received, including interference that may cause undesired operation.

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

