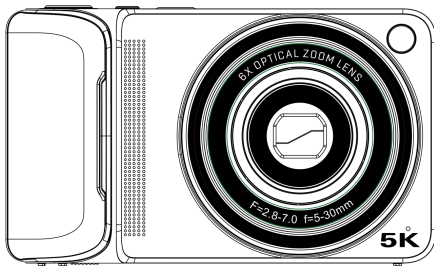


Digital Camera User Manual



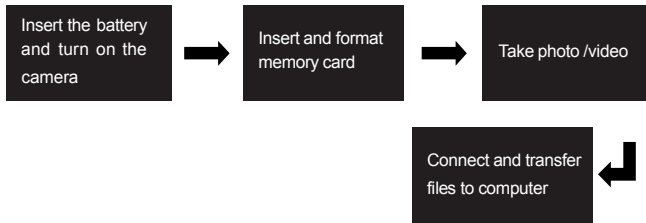
Preface

Thanks for purchasing our digital camera. Please read the user manual prior to using the camera and keep the manual in good manner for future use.

Instructions stated in this user manual are the latest information at the time when the manual was made. Display or illustration used in the manual are proposed to show camera operation directly and comprehensively. Since the products can be from different batches of production and development, the display or illustration might be slightly different from what you have in hand.

Instruction

Please use the camera as per procedures below:



Attention: Please format the memory card through this camera if it is new or was used by other camera. Please backup the data by floppy disk, hard-disk before format.

Instructions of Memory Card

- Please format the memory card if it is new or has unidentified data or photos made by other cameras.
- Please switch off power before inserting or remove the memory card.
- Performance of memory cards can be weakened after repeated use. Please replace it with a new memory card if the performance is down.
- As a precision electronic unit, do not fold, drop or squeeze the memory card.
- Do not put the memory card at high electric field or magnetic environment, such as near speaker or TV receiver..
- Do not use or put the memory card on superheated or super-cooling environment.
- Please keep the memory card clean, and keep it away from any liquid.
- Use a soft fabric to clean the memory card if it has contact with liquid.

- Please put the memory card in the card sleeve when not in use.
- Please be aware of that it is normal when the memory card be warming after long-time use.
- Do not use memory card which was used by other digital cameras. Please format it with this camera before using it.
- Do not use memory card which was formatted by other digital video or card reader.
- Data can be damaged if the memory card suffers the situations as below:
 - Incorrect use.
 - Switch off power or remove the memory card when recording, deleting (formatting) or reading the card.
- Recommend to copy important data by other medias, such as floppy disk, hard-disk.

Camera Maintenance

Keep the camera in dry and dark place when not in use, and get the battery out.

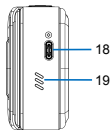
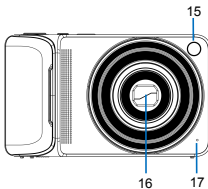
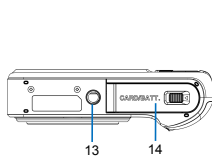
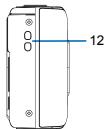
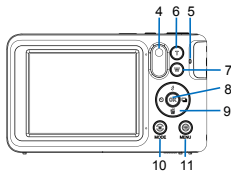
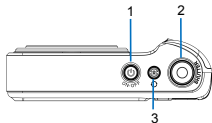
- Wear the wrist strap when using the camera to prevent falling.
- Use proper protective casing to prevent lens and screen scratch.
- To clean the lens surface, please blew dust away then wipe the lens lightly with fabric or paper special for optical devices. lens cleanser can be used if necessary. Do not use organic solvent to clean the camera.
- Do not touch the lens with your finger.

Function & Feature

The camera has multiple functions and features:

- 5K Videos
- 64 Megapixels Photos
- Selfie lens
- 6X optical zoom
- Capacitive Touch Panel
- 6-axis gyroscope Anti-shake

Appearance



Functions of Keys & Indicators

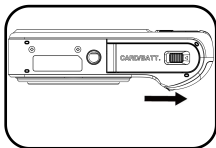
NO.	Key/indicator lights	Function
1	POWER button	On / Off
2	Shutter button	Photo shooting, video recording
3	Selfie Lens Switch button	/
4	Selfie lens	/
5	Indicator light(Power & Charging)	The blue light is working status indicator light.
		The red light is a charging indicator light.
6	T button	Control the lens extension/retraction, extend the focal length to enlarge the image; zoom in on a photo (view the photo); increase the volume (play the video).
7	W button	Control the lens zoom, shorten the focal length to widen the field of view; resize the photo to a smaller size (for viewing); lower

		the volume (when playing video).
8	OK button	Pause/Continue playing(when playing a video), Confirm(other circumstances)
9	Direction key-Up/Down	UP: Switch flash mode (for photography) /switch fill light mode (for video recording); menu selection. DOWN: Delete key(in photo or video mode, press this button to quickly delete the photo/video); Menu selection. Hide/Show the Screen Icons or File Information; Menu selection.
	Direction key-Left/right	Left: Photo timer shortcut button under photo mode(press this button to quickly set the timer photo countdown time to 2 seconds, 5 seconds or 10 seconds); Menu selection.

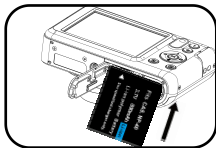
		Right: Turn on/off the fill light(video/ photo mode); Menu selection.
10	MODE	Switch between shooting preview screen / shooting mode / playback mode
11	MENU	Enter/exit the menu. Stop playing the video.
12	Hang buckle	Connecting the camera strap
13	Tripod interface	Install the tripod (1/4-inch standard thread hole)
14	Battery compartment cover	Battery and Memory card location
15	LED light	/
16	Automatic Lens Cap	/
17	Microphone	/
18	Type C port	/
19	Speaker holes	/

Come to Use

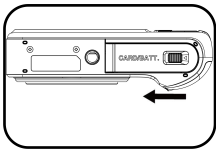
How to Insert and Remove the Battery



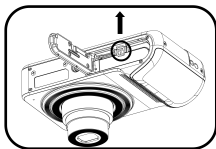
1. Open the battery cover



2. Insert the end with electrical contacts until it locked into place



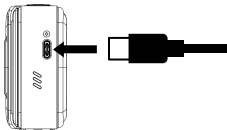
3. Close the battery cover



4. Please push the battery lock lever to remove the battery

How to Charge the Camera

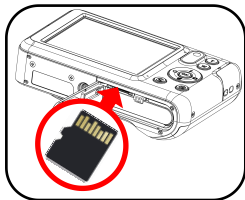
1. Please use the Type C cable and charger included in the package to charge the camera.
2. When the camera indicator light is red, it means the camera is charging.
3. When the camera light goes out, it means the camera is fully charged.



Note: If the charging light flickers slightly, it indicates that the battery is not installed or reversed. Please check if the battery is installed correctly.

How to Insert and Remove Memory card

1. Open the battery cover
2. As shown by the illustration, face the card's metal contacts side toward you and insert it until it locks in place.
3. Close the battery cover.



Attention: ① Please turn off the camera power before installing or removing the memory card.

② If the memory card cannot be inserted, check if the orientation is correct. Do not apply excessive force during insertion to avoid damaging the card or related components.

③ For first-time use of the TF card or if the memory card has been used in other devices, please format the memory card in the camera first!

Format the memory card

1. After installing the memory card, power on the camera and press the Menu button to enter the menu mode.
2. In the menu mode, press the right button to select System Settings “”.
3. Within the System Settings, select the "Format" option.
4. Select "Yes" and press the OK button to confirm formatting.
5. After formatting is complete, press the Menu button again to exit the menu mode.



Attention:

- ① Do not accidentally select the memory card formatting option during use.
- ② Once the memory card has been formatted once, there is no need to format it again. (The first formatting is only to match the camera settings.)
- ③ It is recommended that you back up your photos to your computer regularly.

④ If you want to reformat the memory card, it is advisable to first back up your photos and videos on a computer. This is because reformatting will erase all data on the memory card, including photos, videos, documents, etc.—once formatted, this data cannot be recovered.

Switch on/off

Power on: Long press power button to switch on the camera.

Power off: When the camera is on, long press the power button to turn it off. (Auto power off: The camera will automatically power off to save power when its standby time reaches the set auto power-off duration.)

Date & Time Setting

Press the camera's Menu button, then select "Date and Time Settings" under "System Settings" to configure the date and time.

Photo/ Video

Photo: After the camera is turned on, press shutter to take photos.

Video: Press mode button to enter video mode, press shutter to start recording a video and press the button again to finish the video.

Auto focus photograph

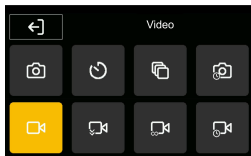
In the photo mode, Press the shutter button halfway down to focus to keep the camera still. The camera will focus automatically at this time. When you see the green focus frame on the screen , it means that the focus is completed, and then press the Shoot button fully to take the current photo. (Keep the camera still during this process and do not release the shutter)

Attention: When using the camera's telescoping lens or taking photos, hold the camera steadily. To capture photos of the best quality, it is recommended to place the camera on a tripod or other support.

Switch-over Shooting Mode

Press MODE key to select

Photo (📷), Self Timer (⌚),
Photo Burst (📷), Timelapse Photo (📷),
Video (📹), Slow Motion (📹),
Loop Record (📹), Timelapse Video (📹).



1. Photo Mode 📷

In photo mode, simply press the Shutter to take a photo.

2. Timer Photo Mode ⌚

In timer photo mode, set the timer delay (2 seconds/5 seconds/10 seconds), then press the Shutter. The camera will start a countdown (2 seconds/5 seconds/10 seconds) before capturing the photo.

3. Burst Photo Mode 📷

In burst photo mode, set the burst count (3 bursts/5 bursts/10 bursts),

then press the Shutter. The camera will capture the specified number of photos in succession according to your setting.

4. Delayed Photo Mode

In delayed photo mode, set the interval (3 seconds/5 seconds/10 seconds/30 seconds/1 minute) and duration (unlimited/5 minutes/10 minutes/15 minutes/20 minutes/30 minutes/60 minutes). Press the Shutter to start capturing photos at the set interval for the specified duration. To stop delayed photo mode, press the Shutter again.

5. Video Mode

In video mode, press the Shutter to start recording, and press it again to stop recording.

6. Slow Motion Mode

In slow-motion mode, press the Shutter to start recording in slow motion. The camera will capture at a higher frame rate, resulting in slower motion playback. The recorded video will also be longer than real-time.

Playback will show slower motion.

7. Loop Recording Mode

In loop recording mode, set the video file length (1 minute/3 minutes/5 minutes/10 minutes). Press the Shutter to start recording a video segment of the specified length. When the time is up, the camera will stop recording and automatically start a new video segment in a loop. To stop loop recording, press the Shutter again.

8. Timelapse Video Mode

In timelapse video mode, set the interval (1second/3 seconds/5 seconds/10 seconds/30 seconds/1 minute) and duration (unlimited/5 minutes/10 minutes/15 minutes/20 minutes/30 minutes/60 minutes). Press the Shutter to start recording a timelapse video with intervals of 1 to 60 seconds. Timelapse video compresses time, creating shorter videos with faster motion. To stop timelapse video mode, press the Shutter again.

Advanced Operation

Video/Photo Mode

The camera enters into photo mode automatically after switching on, Press shutter to take photos. Press mode key to enter video mode, press shutter to start recording a video, press it again to stop recording. Press Mode key to switch modes, Rotate Focusing knob to adjust the focus.

◆ Selfie Mode

1. Please Press the selfie lens switch button(.
2. Press the shutter button to take a photo or video(In selfie mode, the camera doesn't support auto focus).

◆ Fill light Mode Introduction

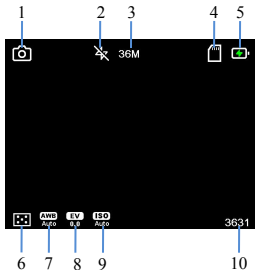
Fill light is off by default, Please press the Right Key to use the Fill light.

Automatic (⚡ _A)	In low light, the flash will on automatically when taking photo
Forced (⚡)	Flash will on regardless of external conditions when taking photo
Off (✖)	No flash in any conditions
Always on (☹)	The flash keep stay on

 **Attention:**①Please hold the camera stable when photo shooting. To take photos with the best quality, it is better to put the camera on a support like a tripod.

②Indicator light is on after use shutter for photo, do not move the camera at the moment until the Indicator light is off, to ensure clear photos.

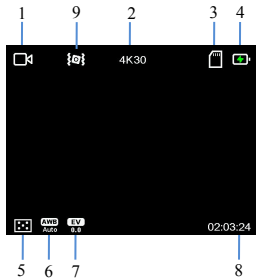
◆ Display information under Photo mode:



No.	Icon name	Description
1	Photo mode	Press shutter to take photos
2	Fill light	Automatic/ Forced/ Off/ Always on
3	Image Size	Current photo resolution setting

4	Memory Card	Indicates if a memory card is installed
5	Battery Status	Battery charging status or battery level
6	Metering	Current metering mode: Center, Multi, Spot
7	White Balance	Current white balance setting
8	Exposure Compensation	Current exposure compensation value
9	ISO	Current ISO sensitivity setting
10	Available Photo Count	Number of photos that can be taken with the camera's current memory

◆ Display information under Video mode:



No.	Icon name	Description
1	Video mode	Press shutter to start recording
2	Video Size	Current video resolution setting
3	Memory Card	Indicates if a memory card is installed

4	Battery Status	Battery charging status or battery level
5	Metering	Current metering mode: Center, Multi, Spot
6	White Balance	Current white balance setting
7	Exposure Compensation	Current exposure compensation value
8	Available Recording Time	Remaining recording time in the camera's current memory
9	Image Stabilization	The image sharpness is not affected by the vibration of the camera

Camera Settings

System Settings

Press the menu key to switch to the system menu, press the up/down/left/right keys to select the submenu, then press OK to confirm, and press the menu key to exit the system menu.

Video and Photo Settings

In video/photo mode, press the Menu button to enter the video/photo menu settings. The settings method for the video/photo menu is the same as that for the system menu.

Playback Settings

Press the Mode button to switch to playback mode, then press the Menu button to enter the playback menu settings. Here, you can rotate photo files, lock files, or play them as a slideshow. After completing the settings, press the OK button to save. Press the Menu button to exit the playback settings.

Note: There are two ways to delete files. Users can either press the key (i.e., the quick delete button) to delete photos or videos, or enter playback mode to view photos/videos and delete files.

Camera Wi-Fi

Connecting Mobile Phone to Camera Wi-Fi

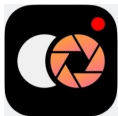
1.After the camera is powered on, open the Network option in the camera settings or long-press the camera Menu button to enable the camera's Wi-Fi mode. The camera's Wi-Fi signal source will be activated simultaneously. The camera's Wi-Fi name (SSID): Camera-XXXXXX;



2.Wi-Fi password (Password): XXXXXXXXXXXX. Open the mobile phone's Wi-Fi settings, locate the camera's Wi-Fi name: Camera-XXXXXX, tap it, enter the camera's Wi-Fi password, and connect to the camera's Wi-Fi.

Installing the APP

- 1.For Android users: Search for "Viipulse" in Google Play to install the APP.
- 2.For iPhone users: Search for "Viipulse" in the App Store to install the APP.



Viipulse

Using the APP

- 1.After the mobile phone successfully connects to the camera's Wi-Fi, open the APP on your phone, and the APP will automatically connect to

the camera's Wi-Fi.

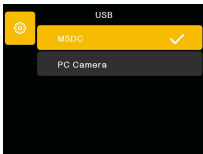
2.The APP can remotely control the camera to take photos and record videos. Additionally, you can use the APP to browse the camera's photos and videos, and download files from the camera to your mobile phone or tablet for sharing.

Turning Off Camera Wi-Fi

Press the camera's Menu button to exit the camera's Wi-Fi mode, disconnecting the camera from the mobile phone APP.

Download photo/video to computer

1. Please turn on the camera.
2. Use the USB cable to connect the camera to your computer.
3. After the computer recognizes the camera, the USB interface will pop up, please select "MSDC".



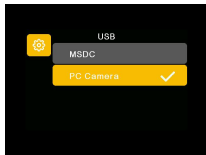
4. Once connected, you can upload photos and videos from your camera to your computer.
5. To exit the upload, press and hold the power button until it turns off.
6. You can also insert your camera's memory card into a card reader, then connect your computer with the card reader and upload the files on

the card.



Attention: Do not disconnect the camera with the computer when downloading files. To prevent data loss, do not insert or remove the memory card in the camera when USB connecting with computer.

Used as a Webcam Camera



1. Please turn on the camera.
2. Use the USB cable to connect the camera to your computer.
3. After the computer recognizes the camera, the USB interface will pop up, please select "PC Camera".
4. 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.
5. To exit the webcam mode, please press and hold the power button until power off.

Specification

Movie Size	5K-30FPS; 4K-30FPS; 2.7K-30FPS; 1080P-120FPS; 1080P-60FPS; 1080P-30FPS; 720P-120FPS; 720P-60FPS; 720P-30FPS
Resolution ratio of image	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)
Memory card	Supports Micro SD Card and MMC card (4GB to 256GB)
File format	JPG, MP4
Optical zoom	6X
Screen	IPS - LCD touch screen

Power	Rechargeable lithium battery
Focal distance	f=5-30mm
Aperture	F/2.8-7.0
Menu language	Multi-Languages
Operating system requirements	Win7 / Win8 / Win10 / Win11
Product size	100×62.33×29.67mm

Attention: Product specification is the latest information at the time when this use manual is made. No further notice will be made for any variation. Specific operating methods are subject to the real camera that you purchased.

Questions And Answers

The camera fails to work after battery placement	The power may be too low, new battery is needed.
	Plastic package of the battery is not removed.
	Battery may be placed reversely. Ensure correct placement of battery.
Shutter is not working to take videos or photos.	Memory card may be full. Please try again with another memory card.
Unsharp photos	May be caused by shaking hands. Please keep the camera stable or use other supports like tripod. Do not shake the camera when photo shooting.

Dark photos or videos	Shooting environment may be too dark. Please make the shooting at a bright place, or use light to brighten the shooting place.
Auto Off	Battery may have too low power. Please change new battery.
	To save energy, the camera will be turned off automatically if not in use for 1 minute, 3 minutes or 5 minutes.
The video camera freezes or shows blurred screen	Memory card format error, please format the memory card within the camera or on the computer before use it. Or please contact with the seller.

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.

No.DC309X \ DC309 250624



RoHS

