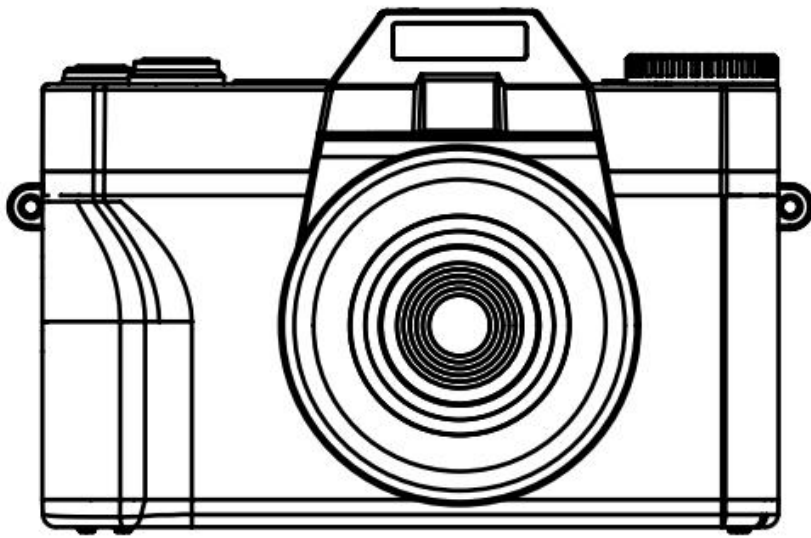


Digital Camera(WIFI)

# User's Manual



## **Preface**

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Thank you for purchasing this digital camera. Please read this manual before operating this product. After you finish reading this manual, store it in a safe place for future reference.

Contents covered in this user manual refer to the latest information in preparation of this user manual. Screen displays, illustrations, etc. adopted in this manual are intended to explain operation of the camera in detail. Due to differences in technology development and production batches, they may be slightly different from digital cameras you actually use.

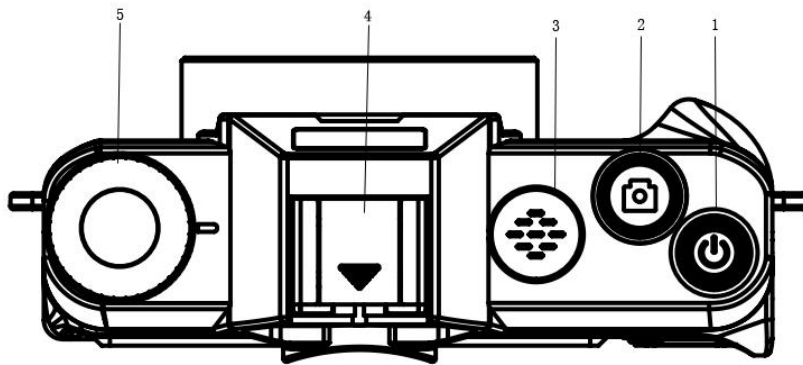
Disclaimer notice: Considerable effort has been made to ensure that this manual is free of inaccuracies and omissions. However, there is no guarantee that there will be no errors or omissions in this manual.

## **Safety Precautions:**

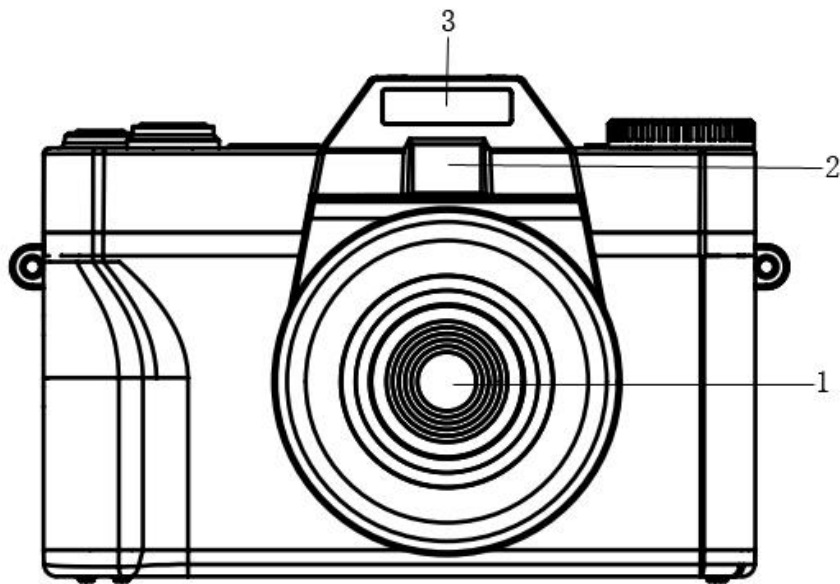
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1. Be sure to read, understand and follow the safety precautions below when using the camera. Please make sure that the way you operate the camera is correct.
2. Do not point the camera directly at the sun or other strong light sources, or your eyesight may be damaged.
3. Do not trigger the flash in close to human or animal eyes. Your eyesight may be damaged when facing a strong light source if the distance is too close. Please pay special attention to keep more than 1 meter (39 inches) away from baby.
- 4 Please store this equipment out of the reach of children and infants. It can cause serious injury to children if the camera or battery is accidentally damaged.
- 5 Do not attempt to disassemble or modify any part not described in this guide. Unpacking or modifying of camera may result in a high voltage shock. Internal inspection or warranty shall be the responsibility of qualified service personnel designated by company or corresponding camera dealer.
6. Please stop operating camera immediately if there are smoke or unpleasant smell on any parts of camera, otherwise it may cause fire or electric shock. Turn off camera immediately and remove camera's battery or unplug power cord from electrical outlet. Make sure the camera has stopped emitting smoke or unpleasant smell.
7. Please stop operating camera immediately if you accidentally drop camera to the ground or damage its casing, otherwise it may cause fire or electric shock. Turn off camera immediately and remove camera's battery or unplug power cord from electrical outlet.
8. Do not expose or immerse the camera to water or other liquids. This camera is not waterproof. Please dry with a soft cloth if the case is exposed to liquid or salt water. Turn off camera immediately and remove camera's battery or unplug power cord from electrical outlet if water or other materials immerse into the camera.
9. D Please store this equipment out of damp or dusty place.
10. Your hands may feel hot because temperature of camera body will rise after a long time of use. Please be careful when operating this equipment for a long time.
11. Please unplug the battery if you not use the camera. The battery shall be charged once every 6 months. Use the camera again to discharge the battery when it is fully charged, so that life of the camera and battery can be maintained.

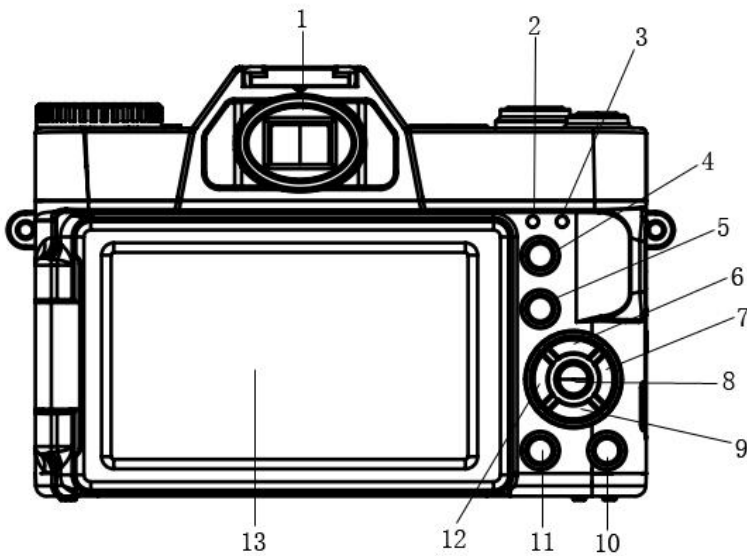
**Part Name**



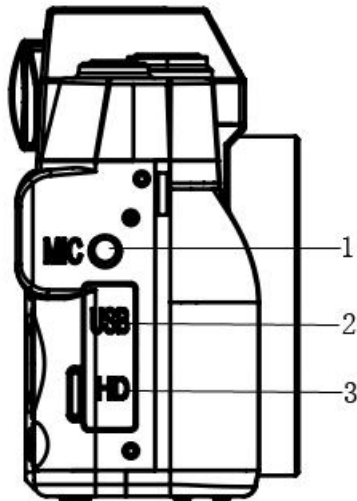
- 1:Power
- 2:Shoot button
- 3:Speaker
- 4:Hot-shoe
- 5:Mode button



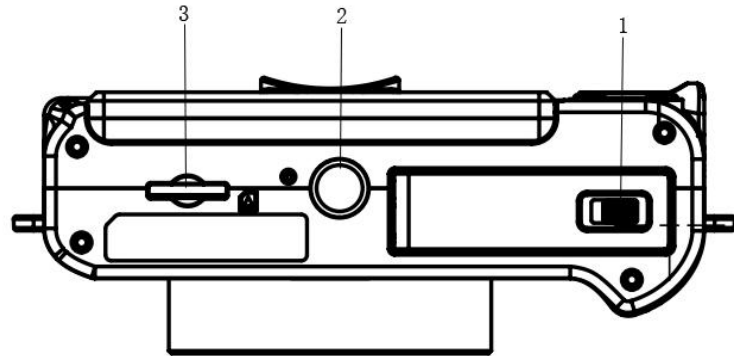
- 1:Lens
- 2:Viewfinder
- 3:Flash



- 1: Viewfinder
- 2: Charging Indicator
- 3: working Indicator
- 4: T Zoom in
- 5: W Zoom out
- 6: Up / Flash light
- 7: Right / Continuous shooting
- 8: OK
- 9: Down / Delete
- 10: Menu
- 11: Display
- 12: Left / Delay
- 13: LCD display



- 1: MIC interface
- 2: USB interface
- 3: HDMI interface



- 1: Battery door
- 2: Tripod slot
- 3: Memory slot

## Preparation of the Camera

### Install battery

Press battery lock and open battery cover to insert the battery.

### Battery charging

This camera uses high capacity rechargeable external lithium battery. Please put the battery into the battery slot correctly according to the battery and battery compartment slot.

(1) When charging with this camera, use USB line to connect the power adapter and the camera, and then connect the power supply to charge. When charging, the red light is always on, and the red light is off after fully charged.

**Tips: The camera will turn on automatically when charging. The battery will be fully charged faster when charged in the off state.**

(2) When charging with standard external charger, put the battery into the charger directly.

(3) Battery charging time (estimated)

In the normal environment, it takes 3 hours to be fully charged.

(4) Continuous working hours (estimated)

When [system] is set to photo mode and all other settings are factory default settings, it can work for 1.5 hours.

When [system] is set to video mode and other resolutions, and all other settings are factory default settings, it can work for 1.5 hours.

Note: The battery is recommended to start charging in a temperature range of 10 ° C to 30 ° C. In a lower temperature, the battery may not be able to or need more time to be fully charged. When charging in a high temperature, it may shorten battery life.

The fully charged battery will naturally consume electricity. In order to ensure sufficient power, charging in advance is recommended.

When the camera is not used for a long time, please charge the battery every 3 months. Then let the battery discharge to maintain the battery life.

## Install / remove memory card

The camera supports TF card, must use class 10 card, the highest support 256G. insert TF card with label up into card slot at bottom of the camera until it clicks to confirm that the installation is in place. Press memory card will pop up automatically if press it inward again.



Notes:



- Turn off power of the camera before replacing memory card.
- Insert card in the correct direction. Do not use too much force when inserting card to avoid damaging card or camera parts. Please check if the direction is correct if card can't insert.
- Please format memory card first if it is used for the first time, or has been used on other cameras.

The estimated recording time is just for reference and the specific time may be different depending on the memory card and battery condition.

System	4K	2.7K	1080P		720P		
FPS	30FPS	30FPS	60FPS	30FPS	120FPS	60FPS	30FPS
16G	45	80	80	160	80	160	160
32G	90	170	170	300	170	300	300
64G	180	350	350	620	350	620	620
128G	360	720	720	1320	720	1320	1320

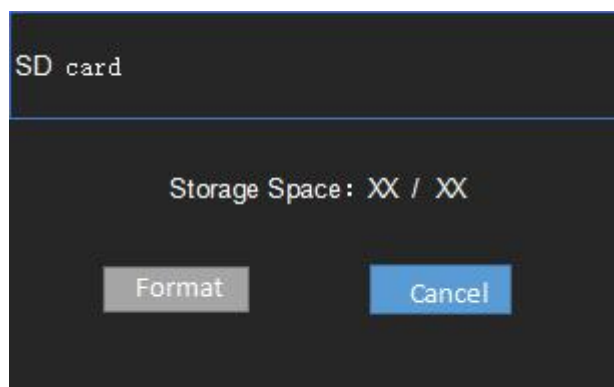
Unit: Min

Note: If there is documents not recorded by this camera or saved by PC in the memory card, the recording time may be reduced or data may be unable to recorded properly.

## Format memory card

A memory card first used in this camera is recommended to be formatted, or failure, such as, inability to record may occur.

When first using a memory card in this camera, the format window will pop up automatically. As shown in the figure:



You can also enter the system menu of this camera—sub-menu: format, press OK button, enter the format window in the above figure to carry out formatting. You can also format the memory card on your computer.

## Turn on the power

Press power button, working indicator lights up, screen lights up, and the camera is turned on.



## Set date/time

Press “MENU” twice to enter system setting menu, press Down button to find the “Time Set / Date Set” sub-menu, press “OK” to set corresponding date and time.

## Language setting

Enter system setting, press the Down button to find the “Language” sub-menu, press “OK” to select the appropriate language.

## Submenu catalog of system setting

Sub-menu	Menu content
Image Rotation	Turn On/Turn Off (Press OK to switch)
icon display	Open/Close
Wi-Fi	Turn On/Turn Off (Press OK to switch)
Reset Wi-Fi	Confirm / Cancel
Light Source Frequency	Auto/50Hz/60Hz
LED Indicator	Turn On/Turn Off (Press OK to switch)
Auto Screen Saver	Turn Off/30s/1min/2min
Auto Power Off	Turn Off/3min/5min/10min
Button prompt Sound	High/Middle/Low/Turn Off
Startup Music	Open/Close
Language	Simplified Chinese/traditional Chinese/English/Japanese/Korean/Russian/German/French/Italian/Spanish/Portuguese/Thai
Time Format	YYYY/MM/DD MM/DD/YYYY DD/MM/YYYY
Time Set	hour minute second
Date Set	Year month day
Format	(SD Card)Format/Cancel
Device Info	Product model and version number
Factory Reset	Confirm/Cancel

## Mode Dial

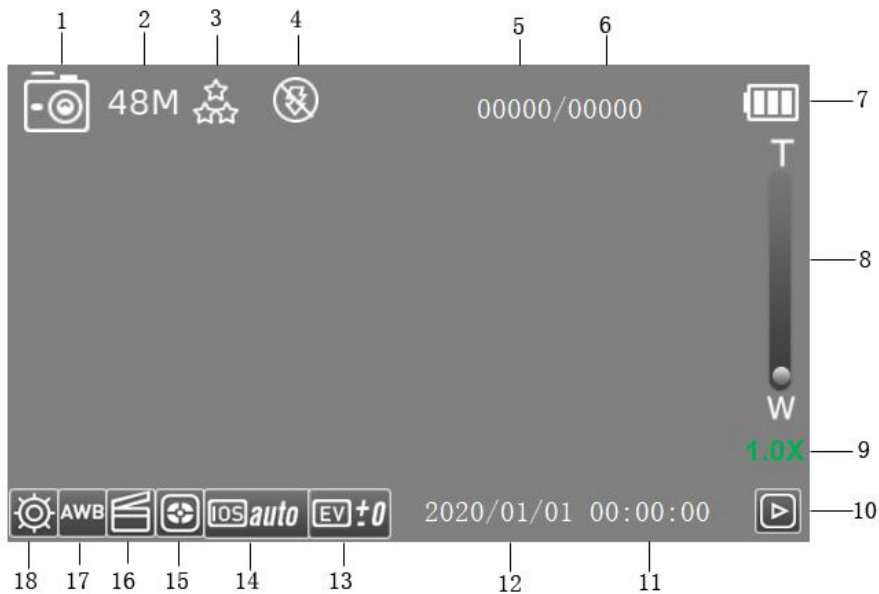


Rotate the mode dial button to select the corresponding mode. The corresponding reference of the mode is as follows:

icon	Mode
	Photo
	Interval photography
	recording
	Time-lapse recording
	Slow motion recording
	Playback

## Take pictures

Set the mode dial to camera mode, the camera screen will display the following interface:



- |                                    |                      |
|------------------------------------|----------------------|
| 1:Photo mode                       | 10:Playback          |
| 2:Image pixels                     | 11:system time       |
| 3:Image quality                    | 12:system date       |
| 4:Fill light (turn off)            | 13:Exposure          |
| 5:Current stored quantity          | 14:ISO               |
| 6:Current memory remaining storage | 15:Exposure Metering |
| 7: Current remaining battery power | 16:Scene             |
| 8:Zoom in/Zoom out                 | 17:White balance     |

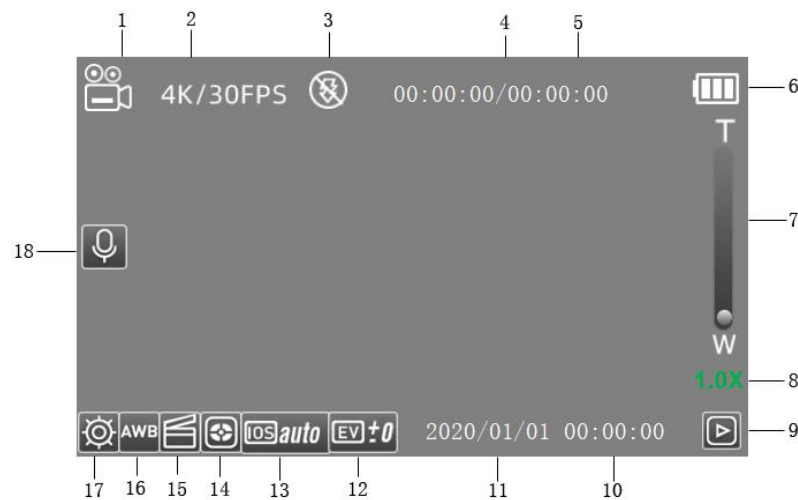
9:Zoom factor

18:Setting

Menu setting contents in photo mode

Sub-menu	Menu content
PixellInset	48M/30M/24M/20M/12M/8M/5M/3M
White Balance	Auto/Sunny/Cloudy/Incandescent/Fluorescence
Scene	Auto / Sport / Portrait / Landscape / Dusk / Beach
Exposure Setting	-3/-2/-1/0/1/2/3
Metering Mode	Average Metering/Center Metering/Spot Metering/Matrix Metering
Image Quality	Super high quality / high quality / standard
Sharpness	High/Middle/Low
Long Exposure	Auto/2S/5S/10S/15S/20S/30S
ISO	Auto/100/200/400/800/1600/3200/6400
Time Watermark	Turn On/Turn Off (Press OK to switch)

### Recording video



- |   |                       |
|---|-----------------------|
| 1: Recording mode                               | 10: system time       |
| 2: video resolution                             | 11: system date       |
| 3: Fill light(turn off)                         | 12: Exposure          |
| 4: Current recorded time                        | 13: ISO               |
| 5: Current memory card remaining recording time | 14: Exposure Metering |
| 6: Current remaining battery power              | 15: Scene             |
| 7: Zoom in/Zoom out                             | 16: White balance     |
| 8: Zoom factor                                  | 17: Setting           |
| 9: Playback                                     | 18: MIC               |

Menu setting contents in video mode (In this mode, press MENU directly to set the corresponding menu)

Sub-menu	Menu content
Video Resolution	4K 30FPS/2.7K 30FPS/1080P 60FPS/1080P 30FPS/720P 120FPS/720P 60FPS/720P 30FPS



White Balance	Auto/Sunny/Cloudy/Incandescent/Fluorescence
Scene	Auto / Sport / Portrait / Landscape / Dusk / Beach
Exposure Setting	-3/-2/-1/0/1/2/3
Metering Mode	Average Metering/Center Metering/Spot Metering/Matrix Metering
Sharpness	High/Middle/Low
Video Quality	High/Middle/Low
ISO	Auto/100/200/400/800/1600/3200/6400
Time Watermark	Turn On/Turn Off (Press OK to switch)
Record Audio	Turn On/Turn Off (Press OK to switch)

## Video pause

This camera supports video pause. During the recording, press the camera key, the recording is stopped and press the camera key again, the recording is continued. If pressing the record key again, the recording will end.

Tips: The recorded long video will be saved in the memory card in sections, and the document name is \*\*\*0000—\*\*\*0000X.

## PlayBack mode

Turn the mode dial to playback mode, and then press the Left or Right button to view the photos or videos.

Press the down button to choose whether to delete the current photo or video.




## Power OFF

Long press POWER button to turn off the digital camera.

If you set the auto turn off menu, when the digital camera is free ,it will turn off automatically without operation in more than 3 min/5min/10min, so to save power.

## Lill light

It can be used to fill light in a dark environment. In the photo mode, press the "up " button to quickly set the following three corresponding flash modes.

	No flash
	Auto flash
	Forced flash

In the recording mode, press the "up " button to quickly set the two flash modes:

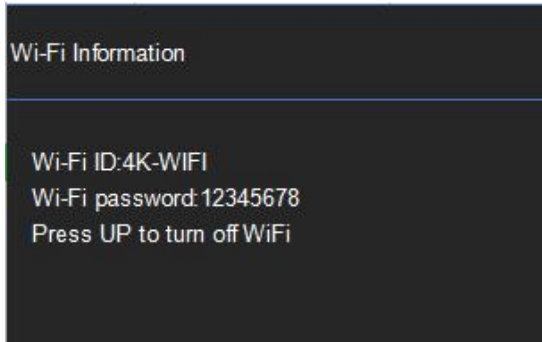
No flash and forced flash.

## WIFI function

Need to use WIFI function, first use the smart phone to scan the following QR code to download the app, or directly search XDV PRO in Google Play Store or Apple Store .



(1) Turn on the camera first, enter the menu of system setup, find the submenu of wireless hotspot, and press the OK key to turn on WiFi. The camera screen will show WiFi name or password.



(2) Open the settings on your phone or tablet. ----- WLAN finds the camera WIFI ID, enters the WIFI password, and connects the phone to the camera.

(3) Turn off the WIFI function: In the WIFI connection state, press the UP button to cut off the WIFI signal source of the camera, and the camera returns to the normal state (you can also enter the system setting menu to turn off the wireless hotspot).

## MIC INPUT

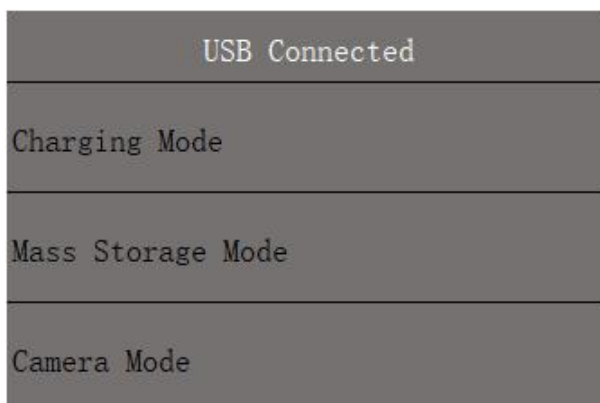
When an external microphone is needed, plug the external microphone into the MIC interface of video camera to record video or audio for better audio effects.

## HD OUTPUT

When the video and sound of the video camera are needed to output to the HD TV, insert the public port of the HD cable into the HD interface of the video camera, and connect the HD input port to the HD input interface of the HDTV. Please stop recording / playing videos before accessing / unplugging the HD cable. (switch TV signal into HD mode)

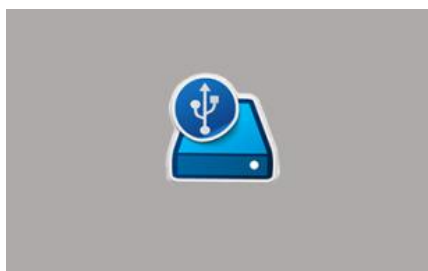
## Connect computer and webcam

Connect the camera to the available USB port on the computer with the USB cable. After inserting the USB cable, the camera will automatically turn on. Press the up and down button to select the charging mode, storage mode or webcam mode, and press the OK to enter.



(1) Select charging mode, all functions of the camera can be used normally. The camera supports recording while charging.

(2) When the storage mode is selected, a new removable storage device will be added in the “My Computer” window, which will transfer photos and video files to the computer.



Note: do not disconnect the USB connection when downloading the file. Do not plug and unplug the memory card when connecting the USB, so as to avoid data loss.

(3) Select webcam mode, the camera can be used as a camera.



Tip: If the camera cannot be enabled after connection, please go to the device manager of the computer, find the image device menu or camera menu, and click to check whether there is a UVC Camera device, if it is already connected. If it is a laptop with its own webcam, you need to disable its own webcam. Only then can the camera be used as a webcam.

Trouble	Measures
Camera cannot start after battery is installed	The battery is low, please replace it with a new one.
	The battery is not installed in place; please confirm that the battery is installed correctly.
	There may be an error in the camera program, please pull out the battery, reinstall, and then turn on.
Unable to charge	If the charging indicator light is flashing, the battery is not installed in place or in poor contact. Please reinstall the battery until the indicator light is on for a long time (the indicator light will go out when the battery is full).
	If the charging indicator is not on, the charger is not plugged in. Please check whether the charger is connected normally.
HD cable connected TV cannot be connected	Check whether the TV source is set to HD mode.
	Check if the HD wire is connected correctly.

Unable to connect to PC	Please check whether the USB data cable is connected correctly.
	Please check whether the USB interface of computer is working properly.
	Please check the compatibility of the computer system.
Blurred shooting effect	The best distance for shooting is more than 2m.
	Check whether the camera shake when shooting.

## Camera cleaning and maintenance

- (1) If you do not use the camera for a long time, take out the camera battery and place it in a dust-free, dry environment with a temperature no higher than 30 °C.
- (2) In order to extend the service life of the battery, please discharge it completely before storage.
- (3) Please fully discharge the battery at least once every 3 months after it has been fully charged.
- (4) If there is dust or dirt on the lens or screen, gently wipe it with a clean, soft lens cleaning cloth.
- (5) As this machine is a precision instrument, please do not drop it or suffer from strong impact or vibration.

## Additional notes

- (1) Do not insert any object into the slot except the memory card.
- (2) After the power is turned on, the camera may show an unstable image about for a few seconds, but this is not a fault.
- (3) Due to the optical properties of the lens, there may be color dispersion (magnification of chromatic aberration) at the edges of the image. This is not a camera fault.
- (4) It is normal for the memory card to get hot after a long period of use.
- (5) It is normal for the camera's screen to heat up after a long period of use.
- (6) The camera has no auto focus function, and the best distance for shooting is more than 2 meters.

## Specifications

Items	Specification Parameter
Image Sensor	Cmos13 million megapixel sensor, 48 million megapixel maximum
Camera Lens	Fixed lens F/3.2, f=7.36mm
Memory Card	External TF card (Maximum support 256G)
Zoom	16X digital zoom
	No optical zoom
Normal Focus Range	2.0m~Infinity
Photo sensibility	Auto /IOS100/ISO200/ISO400/ISO800/ISO1600/ISO3200/ISO6400
Static Image	Format:JPG Photo Resolution:3M,5M,8M,12M,20M,24M,30M,48M (Software interpolation)

Video Resolution	Format:MP4 Video Resolution:4K_3840X2160 (30FPS), 2.7K_2688X1520 (30FPS),FHD_1920X1080(60FPS),FHD_1920X1080(30FPS),HD_1280x720(120/60/30FPS)
WIFI	Support
External MIC	Support
Fill Light	<1.0m Range
White balance	Auto / sunny / cloudy / incandescent / fluorescent
Exposure	-3.0EV~+3.0EV
USB Interface	USB2.0 (high speed)
Auto Power -Off	Off /3mins /5mins /10mins
LCD Screen	3.0-inch ultra HD touch screen (16:9)
High-Definition Multimedia Interface	HDMI output interface
Language	English (default), Spanish, Portuguese, Russian, simplified Chinese, traditional Chinese, German, Italian, French, Japanese, Korean, Thai
Power Supply	lithium-ion battery
Compatible System	PC: Windows XP/Windows7/Windows8/Windows10/MAC