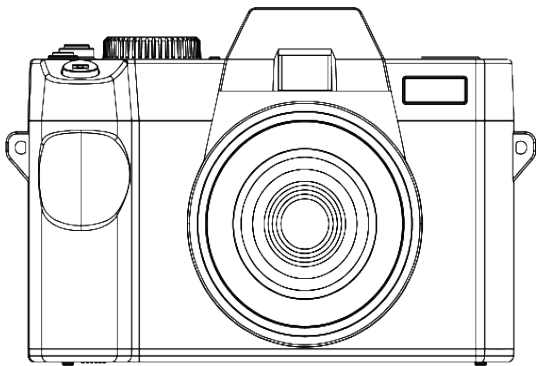


Digital Camera

Instruction Manual



Preface/FCC Statement

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.

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.

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.

Caution

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

FCC Radiation Exposure Statement

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

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Getting Started

Battery installation / removal and battery charging

⦿ Installing / removing the battery



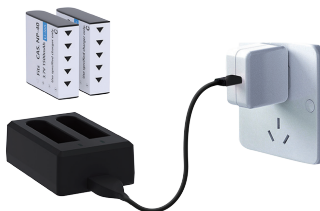
This camera uses high capacity rechargeable external lithium battery(NP-40). Please put the battery into the battery slot correctly .

⦿ Battery charging

(1)When charging with this camera, use USB cable to connect the power adapter and the camera. 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) Charge the battery with a double charger, please put the battery directly into the charger.

(3) Battery charging time (estimated)

In the normal environment, it takes 2 hours to be fully charged.

(4) Continuous working hours (estimated)

When [system] are factory default settings, it can work for 1.5 hours.

⦿ Battery precautions

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.

Memory card

⦿ Installation of memory card



Please insert the micro SD card into the card slot correctly.

Inserting the wrong card may cause damage to the micro SD card and the card slot.

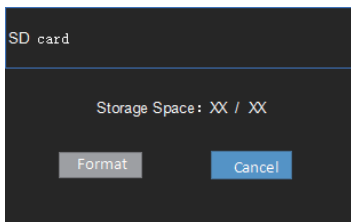


⦿ Usable memory card

This camera can use Micro SD (Class10). Supports up to 256G.

⦿ 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.

⦿ Recording time of the memory card (estimated)

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

RESOLUTION	16G	32G	64G	128G	256G
720P/30FPS	160	300	620	1320	2460
720P/60FPS	160	300	620	1320	2460
720P/120FPS	80	170	350	720	1440
1080P/30FPS	160	300	620	1320	2460
1080P/60FPS	80	170	350	720	1440
2.7K/30FPS	80	170	350	720	1440
4K/30FPS	45	90	180	360	720

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.

Change camera settings

☉Turn on the camera

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.

⦿ Take a photograph

Take still images

This section explains that in the normal camera mode, the situation is automatically recognized to determine the exposure, etc.
Mode dial to select photo mode, press the shoot button halfway to focus. When the focus frame on the display shows green, press the camera button fully.

Shooting video

This section explains that in the normal recording mode, the situation is automatically recognized to determine the exposure, etc.
Mode dial to select shooting mode, press the shoot button to start recording. Press the video button again to end the video.

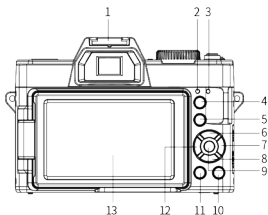
◎ Submenu catalog of system setting

Sub-menu	Menu content
Image Rotation	Turn On/Turn Off (Press OK to switch)
icon display	Open/Close
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	(Micro SD Card)Format/Cancel
Device Info	Product model and version number
Factory Reset	Confirm/Cancel



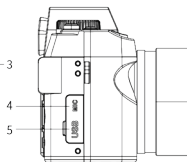
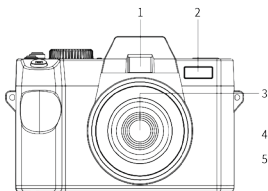
Basic operation of this camera

Camera button function introduction

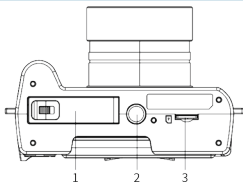


- 1: Hot-shoe
- 2: Charging Indicator
- 3: Working Indicator
- 4: T-Zoom in
- 5: W- Zoom out
- 6: Up
- 7: Right

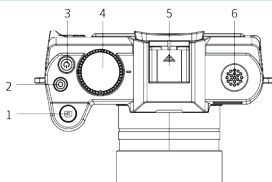
- 8: Down
- 9: OK
- 10: Menu
- 11: Display
- 12: Left / Delay
- 13: LCD display



- 1: Viewfinder
- 2: Flash
- 3: Lens
- 4: MIC interface
- 5: USB interface



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



- 1: Take photo button
- 2: Shoot button
- 3: Power
- 4: Mode dial
- 5: Hot-shoe
- 6: Speaker

Name	Function
Power	Power on / off
Shoot button	Shoot video start / end
Take photo button	Take photo / Manual focus
Hot shoe seat	Base for installing handle, microphone or fill light
Mode dial	Mode menu
Flash	fill light
Charging indicator light	The red light is displayed when charging, and it will go out when fully charged
Working indicator light	The blue light is always on after power on
T	Zoom in
W	Zoom out
UP	Move up
	Flash on/off
Right	Move right
	continuous shooting
OK	Confirm
DOWN	Move down
	Delete a video or photo
DISP button	Turn off screen menu display
	Close the display screen
Menu	Set shooting menu and system menu
Left	Move left
	Interval photo
Memory slot	Card slot for inserting mirco SD card
USB interface	USB cable charging
	Connect the computer with USB cable
MIC interface	External microphone interface(3.5mm)



Mode Dial



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

icon	Mode	illustrate
	Photo	Take a single photo normally
	Interval photography	Take a single photo after a specified number of seconds
	Recording	Normal recording mode
	Slow motion	Slow motion shooting
	Time-lapse recording	Fast action shooting
	Playback	Play the video or photo

Shooting function of camera

⦿ Shooting menu settings

After selecting the corresponding mode, press the menu button to enter the shooting mode setting menu.

Sub-menu	Menu content
Rec Resolution	4K 30FPS / 2.7K 30FPS / 1080P 60FPS/30FPS 720P 120FPS/60FPS/30FPS
White Balance	Auto/Sunny/Cloudy/Incandescent/Fluorescence
Filter	None/Gray/Negative/Antique/Red/Green/Blue
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)
Rec Audio	Turn On/Turn Off (Press OK to switch)

⦿ Take still images menu

Sub-menu	Menu content
Pixellnset	48M/30M/24M/20M/12M/8M/5M/3M
White Balance	Auto/Sunny/Cloudy/Incandescent/Fluorescence
Filter	None/Gray/Negative/Antique/Red/Green/Blue
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
ISO	Auto/100/200/400/800/1600/3200/6400
Time Watermark	Turn On/Turn Off (Press OK to switch)



⦿ Slowly mode / Lapse mode

It is used to record the moment that cannot be captured by the naked eye (slow motion shooting), or shorten the long-time phenomenon to a short time for recording (fast motion shooting). It can record intense sports scenes, the moment when birds take off, the appearance of flower buds and the change of clouds and stars. The sound is not recorded.

Press the mode button, select Slowly mode / Lapse mode, and press the video button to start shooting. To finish shooting, press the video button again.

⦿ Manual focus

In the photo mode, the shoot button has two layers. Gently press the first layer to focus, then press the second layer to take a picture. Gently press the first layer of the shoot button, and the focusing logo frame will appear on the display until the camera has focused clearly. Then press the second layer of the shoot button to take the best clear picture (normal focusing range >0.33ft).

In recording mode, the shoot button also has two layers. Gently press the first layer to focus, then press the second layer to shoot.

Note: If the shooting distance is less than 3.3 feet, your finger needs to keep pressing the focus button during the shooting process.

⦿ Video pause

This camera supports video pause. During the recording, press the Power button, the recording is stopped and press it again, the recording is continued. If pressing the record button 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.

⦿ Fill light

It can be used to fill light in a dark environment. Press the "up" button to quickly set to turn off fill light or turn on fill light.

In the photo mode, press the "up " button to quickly set the following three corresponding flash modes.

	No flash
	Auto flash
	Forced flash

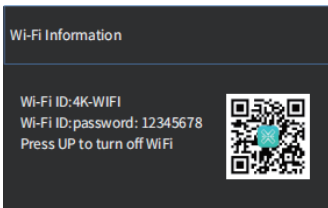
Operations with smartphones and computers

I Use of WiFi

1. Smartphone download app and WiFi connection

First, please scan the following QR code with your smartphone to download the app, or directly search XDV pro in Google Play and App 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.



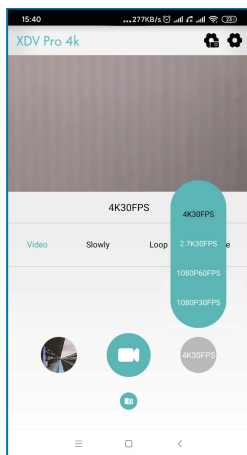
(2) On your phone or tablet, turn on settings -----WLAN, find the WiFi name of the camera and enter WiFi password to connect the phone and the camera.

(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.

(4) Enter the downloaded APP (XDV PRO), turn on the GPS function at the same time, click to select the WiFi with the same name as the WiFi displayed on the camera screen, you can enter the APP page, and control the camera to take pictures, video or menu settings through it.

To turn off WiFi, enter the menu setting system, find the wireless hotspot submenu, and press OK button again.

Note: this WiFi is a wireless signal connected to the camera APP, it cannot directly connect to the Internet.



Use app to connect camera for shooting

After connecting, enter the app and click shoot, and then you can see the picture as shown in the figure. You can choose to take videos or photos.

Click the setting icon in the upper right corner to change the settings related to the camera as a whole, such as shooting, and perform various functions.

Transfer videos or photos to smartphones and share to social software

Step 1: First, you need to enter the "XDV PRO" page of the "Media Gallery" in the APP, click the icon in the upper right corner, select a photo or video, and download it. If you can view the downloaded photos or videos in the album of the mobile phone or tablet where you downloaded the APP, then you don't need to go to "Step 2". You can share the photos or videos to social in the album. At this time you need to disconnect the camera's WiFi hotspot and connect to the mobile data traffic of your mobile phone or tablet).

Step 2: Disconnect the WiFi hotspot of the camera, connect the mobile data flow of the mobile phone or tablet, the APP interface will prompt "please restart the APP", select "OK" to automatically exit; then you need to enter the APP again, and the APP will prompt "Required turn on or off WLAN", select "Reject", click "2G/3G/4G network" immediately, click "OK" to enter offline mode; you can enter the "Phone" page of the "Media Gallery" in the APP, and then click the upper right corner icon, select photos or videos to share to social software (Note: it does not support two or more video files to be shared at the same time, nor does it support photos + videos to be shared at the same time).

Mic interface

The camera supports an external microphone with a 3.5mm connector. Please note that this connector does not support headphone access.



Connect computer and webcam

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

⦿Charging mode

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

⦿Storage mode

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.

⦿PC mode

Select PC 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.

Usage notice

Safety Precautions

- (1) Do not disassemble or modify the product.
- (2) 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.
- (3) 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.
- (4) 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.
- (5) Keep the camera and battery out of the reach of children.
- (6) Do not heat the battery or expose it to sources of ignition (otherwise it may explode).



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.

Trouble removal

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.
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.