

# Digital Camcorder

## Instruction Manual



Model: HDV-284K

CE RoHS

FC





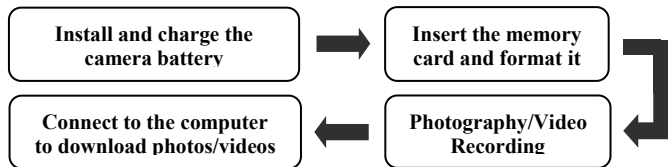
## Preface

Thank you for purchasing this camera! Before use, please read the instruction manual carefully and store it in a safe place for future reference.

The content covered in this manual refers to the latest information about the camera at the time of writing. The screen displays, illustrations, and other content used in the manual are intended to provide a more detailed and intuitive explanation of the camera's operation. Due to differences in technological development and production batches, the manual may slightly differ from the actual camera you are using. Please refer to the actual product for accuracy.

## Instructions for Use

Please use this camera in the following order.

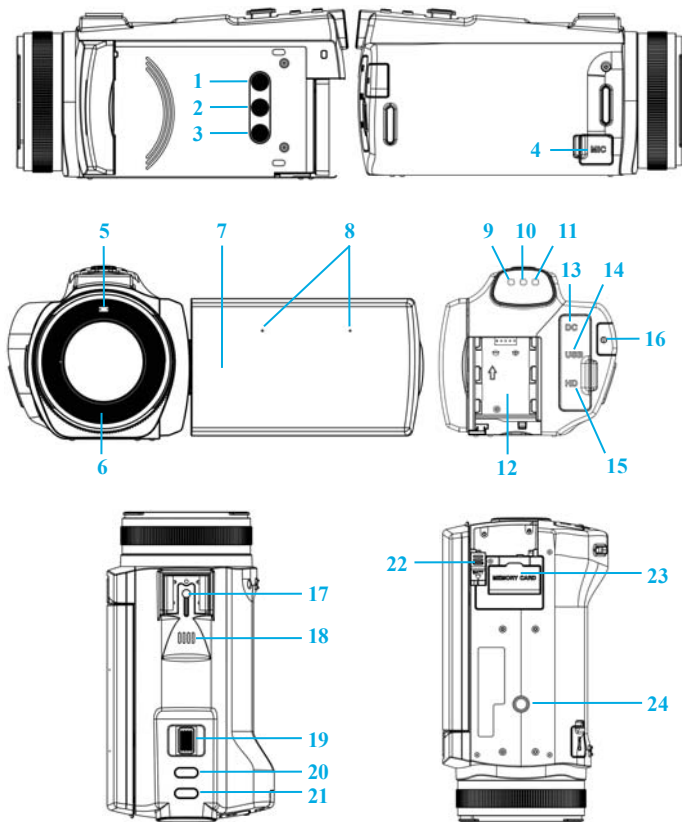


### Attention!

- If you want to use a new memory card or a memory card that has been used in other devices in this camera, please format it first in this camera.
- Please backup the data on the storage card to an external drive such as a USB flash drive or hard drive before formatting.  
(Once the storage card is formatted, all data on the storage card will be deleted!)

## Key component recognition

\* The image is for reference only, please refer to the actual product.

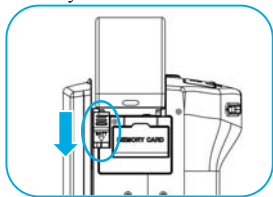
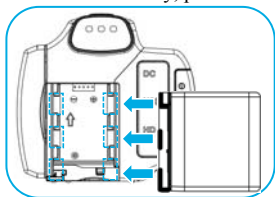


|    |                           |                                                                                                                                 |
|----|---------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 1  | Power/Select key          | Power on/off; select up                                                                                                         |
| 2  | Settings/WiFi button      | Open the settings menu; long press to turn on/off WiFi mode,                                                                    |
| 3  | Replay button/OK button   | Turn on playback mode; start/pause video playback; menu confirmation                                                            |
| 4  | MIC interface             | Connect an external microphone                                                                                                  |
| 5  | TOF laser                 | Fast and precise focusing                                                                                                       |
| 6  | infrared receiver         | Receive infrared signals emitted by the remote control to control the camera                                                    |
| 7  | rotating touch screen     | 270° rotation                                                                                                                   |
| 8  | Built-in microphone hole  | sound pickup                                                                                                                    |
| 9  | WiFi indicator light      | Green light: WiFi is on; no light: WiFi is off                                                                                  |
| 10 | Work Indicator Light      | Blue light constantly on: in standby mode; blue light flashing: in the process of recording                                     |
| 11 | charging indicator light  | Red light: charging; red light off: battery is fully charged                                                                    |
| 12 | battery compartment       | Install the batteries                                                                                                           |
| 13 | DC connector              | Can be connected to a dedicated power adapter (9V/1.5A) to ensure stable power supply and enhance the performance of the camera |
| 14 | USB port                  | Type-C interface, rechargeable, connect to computer, copy photos and videos, live broadcast                                     |
| 15 | High-definition interface | Transmit high-definition video                                                                                                  |

|    |                        |                                                                                                                                                               |
|----|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16 | Video recording button | Shutter button for recording video                                                                                                                            |
| 17 | Hot shoe mount         | Installing external camera accessories                                                                                                                        |
| 18 | horn hole              | The horn sounds                                                                                                                                               |
| 19 | zoom lever             | W: zoom out; T: zoom in                                                                                                                                       |
| 20 | shutter button         | Shutter button for taking photos (when in the settings interface, clicking it will return to the main interface)                                              |
| 21 | mode key               | Open the shooting mode (live broadcast/night scene/ordinary video recording/ordinary photo shooting) setting interface. Click to return to the previous level |
| 22 | Battery Lock           | Lock the battery                                                                                                                                              |
| 23 | memory card slot       | Installing the memory card                                                                                                                                    |
| 24 | Tripod interface       | Install the tripod (1/4 standard screw hole)                                                                                                                  |

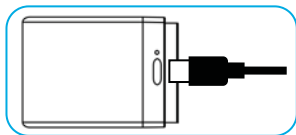
## Install the batteries

1. Please put the battery into the battery slot first, ensuring that the battery guide rail is stuck in the battery slot. Then push up until the battery is stuck.
2. To remove the battery, push down on the battery lock.

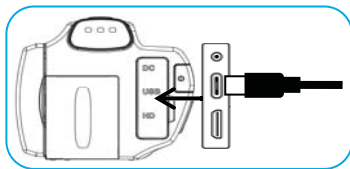


## Battery charging

1. Direct battery charging: Please use a 5V/2A charger and a Type-C data cable to connect to the battery's USB port for charging. The battery charging indicator light is red while charging and turns off when fully charged.

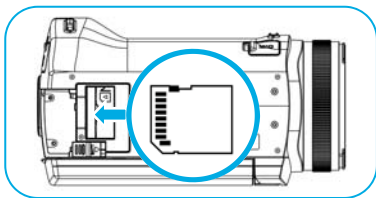


2. Charging the battery through the camera: Install the battery on the camera, and use a 5V/2A charger and Type-C data cable to connect to the USB port on the camera to charge the camera. The CHG charging indicator on the camera will be red while charging and will turn off when fully charged.



## Installing the memory card

1. Supported memory cards: This camera can use class 10/U3 or higher SD cards (4-256GB).
2. Insert the memory card: Open the memory card cover, follow the icon prompt next to the card slot, and insert the memory card until it locks into place.
3. Remove the memory card: Press and release the memory card, it will automatically pop up, and then pull out the memory card.



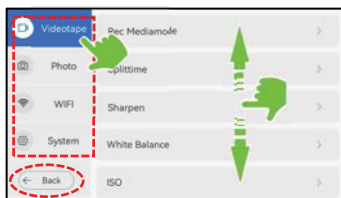
### **Note:**

1. Please turn off the camera before replacing the memory card.
2. Please insert the card in the correct direction. Do not use too much force when inserting the card to avoid damaging the card or camera components. If the storage card cannot be inserted, please check whether the direction is correct.
3. For new memory cards or memory cards used on other devices, please format the memory card in the camera first!

## Power on and power off the camera

1. Turn on the screen, the camera will automatically turn on, or press and hold the "Power button" to turn on.
2. Close the screen, the camera will automatically shut down, or press and hold the "Power Button" to shut down.

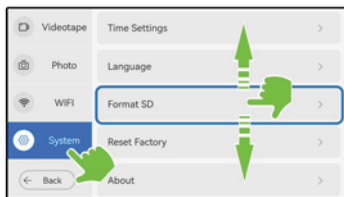
## Camera settings



1. After the camera is turned on, press the Settings button to enter the camera settings menu. (Or slide left on the camera screen to display hidden icons, and click the Settings icon to open the settings menu)
2. Click on "Video Settings/Photo Settings/WIFI Settings/System Settings" on the left side of the camera screen, and the submenus for the corresponding settings will appear on the right side of the screen.
3. Then, slide up or down in the submenu area on the right side of the screen to find the target option, and click on it to confirm the settings.
4. After setting, click "Return" at the bottom left corner of the screen to exit the setting menu.

## Format the memory card

1. Please format the memory card before using the camera for the first time.
2. After turning on the camera, press the Settings button to enter the settings menu, then click "System Settings" on the lower left side of the camera screen to open the system settings menu → quickly slide down in the menu area on the right side of the screen to find the target option "Format Storage Card" → "Confirm" to format.
3. After formatting the storage card successfully, press the "Settings" button to exit the settings menu.



### Note:

1. Please do not accidentally click the storage card formatting option during use.
2. After formatting the memory card once, you do not need to format it again. (The first formatting is only to match the camera settings)
3. It is recommended that you regularly backup your photos to your computer.
4. If you want to reformat the storage card, it is recommended that you back up your pictures and videos on your computer first, as reformatting will clear all information on the storage card, including photos, videos, and documents. Once formatted, these data cannot be recovered.

## Screen icon

Show/Hide Icons: During photo or video preview, swipe left on the camera screen to reveal the hidden icons on the right side of the screen. Then, swipe right to hide the icons on the right side of the screen.



### 1. Photo mode



|    |                         |    |                           |    |                |
|----|-------------------------|----|---------------------------|----|----------------|
| 1  | Photo Mode              | 2  | Photo Pixel               | 3  | debounce       |
| 4  | WiFi is on              | 5  | Number of photos that can | 6  | memory card    |
| 7  | Shutter speed           | 8  | ISO setting               | 9  | white balance  |
| 10 | Exposure Settings       | 11 | Flash mode                | 12 | Replay mode    |
| 13 | Settings Menu           | 14 | Focus setting             | 15 | light metering |
| 16 | Date and time watermark | 17 | battery level             |    |                |

## 2. Video recording mode



|    |                          |    |                  |    |                         |
|----|--------------------------|----|------------------|----|-------------------------|
| 1  | Video Recording Mode     | 2  | video resolution | 3  | External Microphone     |
| 4  | audio                    | 5  | debounce         | 6  | WIFI                    |
| 7  | Video recording duration | 8  | memory card      | 9  | Shutter speed           |
| 10 | ISO setting              | 11 | white balance    | 12 | Exposure Settings       |
| 13 | Flash mode               | 14 | Replay mode      | 15 | Settings Menu           |
| 16 | Focus setting            | 17 | light metering   | 18 | Date and Time Watermark |
| 19 | battery level            |    |                  |    |                         |

## Shooting Mode

After the camera is turned on, press the MODE button to open the shooting mode selection interface. Toggling the zoom lever allows you to select between **normal photo**, **normal video**, **night mode**, and **live streaming mode** (or clicking the mode icon on the screen). Then wait for 3 seconds to activate the selected shooting mode.

### Normal photo mode

#### 1. Open the normal photo mode

After the camera is turned on, press the PHOTO button to quickly open the normal photo mode. Alternatively, press the MODE button and toggle the zoom lever to select normal photo mode. The normal photo mode will be opened after 3 seconds.

#### 2. Focus and take a photo

(1) Manual focus photography (only suitable for use with a remote control during live streaming)

① Press the settings button to open the camera settings menu, select "System Settings" → "Focus Settings" → "Manual Focus" → click "<" to exit the focus settings → click "Back" to return to the photo preview mode.

② Adjust the optical zoom by moving the zoom dial.

③ Adjust the focus by using the zoom in and out buttons on the remote

control.

④ After the image is focused, press the camera button fully to take a photo.

(2) Single-shot focus photography (static scene: After pressing the shutter button halfway to lock the focus, you can reframe the image)

① Open the camera settings menu, select "System Settings" → "Focus Settings" → "Single Focus" → click "<" to exit the focus settings → click "Back" to return to the photo preview mode.

② Adjust the optical zoom by turning the zoom dial.

③ Click on the custom area on the screen to focus.

Press the camera button halfway again to change the focus box from white to green, indicating that the focus is complete. Press the camera button fully to take the photo.

(3) Auto-focus photography (dynamic scene: continuous tracking of moving subjects)

Open the camera settings menu, select "System Settings" → "Focus Settings" → "Auto Focus" → click "Back" to return to the photo preview mode.

② Adjust the optical zoom by turning the zoom dial.

③ Click on the custom area on the screen to automatically focus (the camera will always automatically focus on this area until you click on the next custom area for automatic focusing). The focus box will change from white to green, indicating that the image is in focus. Press the camera button fully

to take the photo.

#### (4) TOF-assisted focusing and photography

① Open the camera settings menu, select "System Settings" → "Focus Settings" → "TOF Assisted Focus" → click "Back" to return to the photo preview mode.

② Adjust the optical zoom by sliding the zoom dial.

③ Click on the custom area focus on the screen, and the camera will automatically focus. The focus box will change from white to green, indicating that the image is in focus. Press the photo button fully to take the photo.

④ TOF assisted focusing allows the camera to focus faster and more accurately in low-contrast, low-light, or dynamic scenes through fast ranging, infrared ranging, and continuous autofocus. TOF assisted focusing is suitable for night photography, portrait photography, macro photography, and sports photography.

### **3. Display screen icon**

In the preview interface, long press the playback button to toggle between hiding and showing the screen icon.

# Normal video recording mode

## 1. Open the normal video recording mode

After the camera is turned on, press the record button to quickly open the normal recording mode. Alternatively, press the MODE button and toggle the zoom lever to select normal recording. The normal recording mode will be opened after 3 seconds.

## 2. Focus on video recording

(1) Manual focus recording (only suitable for use with a remote control during live streaming)

① Press the Settings button to open the camera settings menu, select "System Settings" → "Focus Settings" → "Manual Focus" → click "<" to exit the focus settings → click "Back" to return to the video preview mode.

② Adjust the optical zoom by sliding the zoom dial.

③ Adjust the focus by pressing the zoom in/out button on the remote control.

④ After focusing, press the record button to start recording, and press the record button again to end recording.

(2) Single focus recording



- ① Press the Settings button to open the Settings menu → select "System Settings" → "Focus Settings" → "Single Focus" → click "<" to exit the focus settings → click "Back" to return to the video preview mode.
- ② Then adjust the optical zoom by turning the zoom dial.
- ③ Click on the custom area on the screen to focus. The focus box will change from white to green, indicating that the focus is complete. Press the record button to record.
- ④ After the video is completed, press the video button again to end the recording.

### (3) Autofocus video recording

- ① Open the camera settings menu, select "System Settings" → "Focus Settings" → "Auto Focus" → click "Back" to return to the video preview mode.
- ② Adjust the optical zoom by moving the zoom dial.
- ③ Click on the custom area on the screen to automatically focus (the camera will always automatically focus on this area until you click on the next custom area for automatic focusing). The focus box will change from white to green, indicating that the camera has completed automatic focusing. Press the record button to record.
- ④ After the video is completed, press the video button again to end the recording.

#### (4) TOF-assisted focusing video recording

① Open the camera settings menu, select "System Settings" → "Focus Settings" → "TOF Assisted Focus" → click "Back" to return to the video preview mode.

② Adjust the optical zoom by turning the zoom dial.

③ Click on the custom area focus on the screen, and the camera will automatically focus. The focus box will change from white to green, indicating that the focus is complete. Press the record button to record. After the recording is complete, press the record button again to end the recording.

④ Features: TOF assisted focusing enables faster and more accurate focusing for cameras in low-contrast, low-light, or dynamic scenes through rapid ranging, infrared ranging, and continuous autofocus. TOF assisted focusing is suitable for night photography, portrait photography, macro photography, and sports photography.

## Night view mode

### 1. Turn on night mode

After the camera is turned on, press the MODE button, and then select the night mode by adjusting the zoom lever or clicking the on-screen menu. The night mode will activate after 3 seconds.

### 2. Adjust parameters

① ISO: Preferably set to 100-400 (low ISO reduces noise and is suitable for scenes with less dark lighting); if the lighting is extremely weak (such as late at night), it can be increased to 800-1600, but attention should be paid to noise control.

② Shutter speed: In automatic mode, the camera adjusts according to the light. In manual mode, it is recommended to set it to 1/240 seconds (a slow shutter allows more light to enter, increasing the brightness of the image). When shooting starry skies, it can be extended to 1/30 seconds or 1/60 seconds (with a tripod).

### 3. Focus and take photos and videos

① Press the "Settings" button to open the camera settings menu, select "System Settings" → "Focus Settings" → "Manual Focus" → click "<" to exit the focus settings → click "Back" to return to the night preview mode.

② For focusing and shooting in night mode, refer to the focusing and shooting in normal photo mode. For focusing and recording in night mode, refer to the focusing and recording in normal video mode.

### 4. Applicable Scenarios

It is suitable for scenes with dim light such as night streets, indoor dim light, and lighting atmosphere, solving the problems of blurring and noise caused by insufficient light in normal mode.

# Live streaming mode

## 1. Applicable Scenario

The live streaming mode is designed specifically for users to push streams in real-time to short video platforms, social media apps, or live streaming platforms. It's ideal for personal Vlog live streaming, live sales, event documentation, teaching demonstrations, and other real-time transmission scenarios that require stable visuals. It supports high-definition picture quality and smooth streaming, meeting the interactive needs of multiple platforms.

## 2. Device Connection

① Connect the camera to the computer via a Type-C/USB cable (some models support Wi-Fi direct connection), or use an HDMI cable to connect to a capture card, and then connect the streaming device.

## 3. Open the live streaming mode.

After the camera is turned on, press the "MODE" button, and select the live streaming mode by adjusting the zoom lever or clicking the on-screen menu. The live streaming mode will be activated after 3 seconds.

## 4. Parameter setting

- ① Image quality: Adjust the resolution (recommended 720P/1080P) and frame rate (25-60fps) according to the network bandwidth. Reduce the bit rate to avoid stuttering when the network is poor.
- ② Focusing: Manually select "Auto Focus" (to track the subject) or "Manual Focus" (to fix the focus, suitable for static scenes).
- ③ Exposure: Adjust the ISO (recommended range: 400-800) and shutter speed (1/60-1/120 second) according to the ambient light to avoid overexposure or blurring.

④ Sound: Turn on the built-in microphone or connect an external microphone (via a 3.5mm jack) and adjust the volume to ensure clear and noise-free sound.

## **5. Precautions**

① Network stability: Prioritize using 5G/Wi-Fi 6 networks to avoid weak 4G signals or public network delays; test the network speed before streaming (recommended upstream bandwidth  $\geq 5\text{Mbps}$ ).

② Equipment cooling: Long-term live streaming may cause the device to heat up. It is recommended to take breaks or use a cooling stand.

③ Power guarantee: Live streaming consumes a lot of power, so it is recommended to connect a power adapter (DC interface connected to a dedicated 9V/1.5A power adapter) or use a fully charged battery (which can be externally connected to a mobile power bank).

④ Storage space: If local backup is required, ensure that the remaining capacity of the storage card is sufficient (high-speed cards are recommended to avoid stalling).

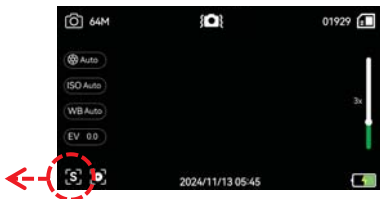
⑤ Interrupt handling: When streaming fails, check the network connection, whether the streaming address has expired, or restart the camera and streaming software.

# Focus and zoom

## 1 Focus setting

When previewing a photo or video, click the focus setting icon "  " at the bottom left corner of the screen to switch between: [ A ] autofocus, [ S ] single focus, [ M ] manual focus, and [ T ] TOF assisted focus.

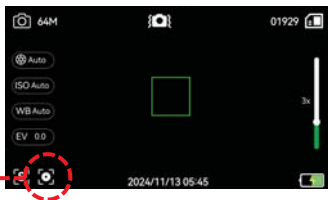
Focus setting



## 2 Focus on the center

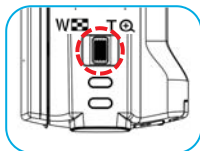
When using [ A ] Auto Focus, [ S ] Single Focus, or [ T ] TOF Assisted Focus, tap anywhere on the screen to display the focus box at that location. Then, tap the focus centering icon "  " in the lower left corner to enable the focus centering function.

Focus on the center



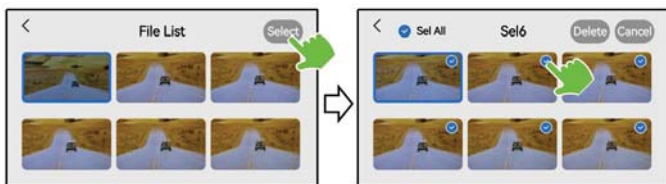
## 3 zoom slider

The zoom function can be achieved by adjusting the zoom dial. Dialing towards "  " will reduce the zoom factor, while dialing towards "  " will increase the zoom factor.



## Replay mode

1. In the shooting preview interface, press the playback button to open the playback mode and enter the file list.
2. In the file list, select Photos/Videos using the Power/Settings button, and then press the OK button to open the Photos/Videos. Alternatively, you can directly click on the Photos/Videos to open and view them.
3. In the file list, click "Select" in the upper right corner, then check the photos/videos, and click "Delete" to delete the photos/videos.



4. Open photos/videos, and you can use the power button/settings button (or swipe left or right on the screen) to select and view the previous/next photo/video.
5. After viewing the photo/video, click on the "☰" in the upper left corner of the screen → click on "<" to exit playback mode.



## remote control

Align the infrared light of the remote control with the infrared receiver of the camera (located below the camera lens) without any obstructions between them, and then press the buttons on the remote control to control the camera. The effective distance of the infrared signal is within 10 meters.



### Remote control button

**1. Focus mode button:** Switch focus mode (AF autofocus/SF single focus/MF manual focus/TOF assisted focus).

**2. Power button:** When the camera is turned on, it can be turned off.

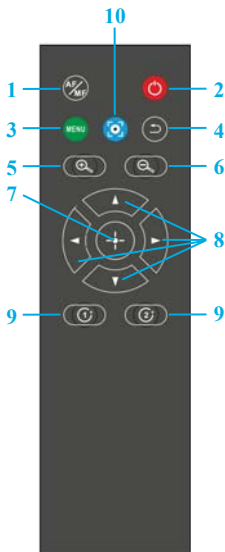
**3. Menu button:** Open the settings menu (live broadcast mode)

Using a high-definition connection, click to display the operation menu.

**4. Back button:** Return to the previous operation.

**5. Zoom in button:** Zoom in the focal length (variable magnification in A/S/T focusing modes, and variable zoom in M focusing mode).

**6. Zoom-out button:** Zoom out the focal



length (variable magnification in A/S/T focusing modes, and variable zoom in M focusing mode).

**7. OK button:** used to confirm the selected function.

**8. Direction keys:** Four direction options (in live streaming mode, the left and right keys can switch between live streaming scenes: default/beauty/jewelry/clothing)

**9. Preset position 1/preset position 2:** (long press for 3 seconds to save the current preset position, short press to call the preset position)

**10. Focus button:** Click to perform autofocus (M manual focus)

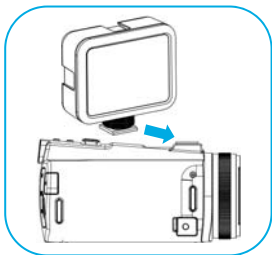
In the English mode, it has no effect.

## External flash

1. Turn off the flash power (some flash lights require rotating the power knob to the "OFF" position), rotate the fixed knob (or unlock button) on the bottom of the flash, and release the locked state of the hot shoe mount.

2. During installation, push the flash hot shoe mount completely into the camera hot shoe interface, and then rotate the fixing knob until it is in the "tightened" state to ensure that the flash is firmly fixed to the camera hot shoe.

3. After successful installation, the camera automatically detects and connects to the flash. Slide left on the camera screen to display the flash icon, and then click the flash icon to switch the flash mode.



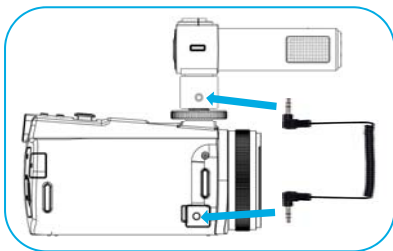
|                                                                                                      |                                                                                             |
|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
|  Turn off the flash  | In any case, there is no flash when taking photos                                           |
|  automatic flash     | In low light conditions, the flash will automatically light up when taking a photo          |
|  compulsory flashing | Regardless of whether in a bright or dim environment, the camera flashes when taking photos |

4. When disassembling, loosen the fixing knob in the opposite direction, and then remove the flash from the hot shoe interface.

**Friendly reminder:** If you need to use an external flash, we recommend using our original dedicated flash or purchasing certified compatible flash accessories through official channels.

## External Microphone

1. Please use a 5V/2A charger and a Type-C data cable to charge the external microphone.
2. Install the external microphone on the hot shoe interface of the camera and tighten the fixing nut.
3. Connect the microphone to the "MIC" interface on the camera using a 3.5mm headphone cable.



**Friendly reminder:** If you need to use an external microphone, we recommend using our original dedicated microphone or purchasing a high-quality microphone compatible with a 3.5mm interface to ensure optimal compatibility and sound quality experience.

# Transfer camera files to your phone

## 1 Download the "Viipulse" APP on your mobile phone



**Viipulse**

### Method 1

- For Android phone users, please search for "Viipulse" in the browser, download and install this APP.
- For iPhone users, please search for "Viipulse" in the App Store, download and install this APP.

### Method 2

- Please scan the QR code on the camera's WIFI information page with your mobile browser to download and install the app.  
(How to find the camera QR code: Press the Settings button to open the settings menu → click on WIFI Settings → Click on the WIFI information and find the QR code to download the app.)
- Or scan the QR code below with your mobile browser to download and install the app.



## 2 Connect the phone to the camera's WIFI

### ① Turn on the camera WIFI

In the shooting preview interface, press the Settings button to open the

settings menu → click on WIFI Settings → click on the WIFI switch to turn it on, and the camera's WIFI signal source will be turned on simultaneously. (Alternatively, in the shooting preview interface, long press the Settings button for 3 seconds to quickly turn on WIFI.)

### ② Find the WIFI name and password

On the WIFI settings page, click to open the WIFI information and find the SSID: HDV284KCamera-XXXXXXX (WIFI name) and PWD: XXXXXXXXX (WIFI password).

### ③ Connect to WIFI

Open the phone settings → select WIFI → select the camera's WIFI name → enter the WIFI password to connect to the camera's WIFI.

(Note: After connecting, the phone may not be able to access the Internet. You need to switch back to the normal network to use other functions.)

## 3 Use the app

After successfully connecting your phone to the camera's WIFI, open the "Weiyipai" app on your phone, and the app will automatically connect to the camera's WIFI.

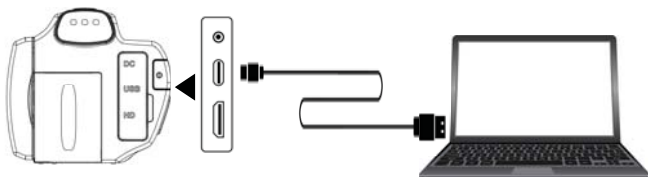
② The APP can remotely control the camera to take photos and videos, and can also operate the APP to browse the photos and videos of the camera, and download the files from the camera to the phone or tablet for sharing.

## 4 Turn off WIFI connection

Please press and hold the camera settings button for 3 seconds to turn off the camera WIFI and exit the camera WIFI connection.

## Download the camera files to the computer

1. Turn on the camera and connect it to the computer using a Type-C/USB cable.



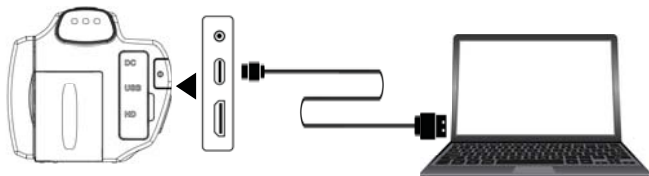
2. After successful connection, a dialog box will pop up on the camera screen. Select "USB Storage" on the screen, and then download the photos and videos from the camera folder to the computer.



3. After the download is complete, unplug the data cable, and the camera will exit the mobile hard disk mode.

# Webcam

1. Turn on the camera and connect it to the computer using a Type-C/USB cable.



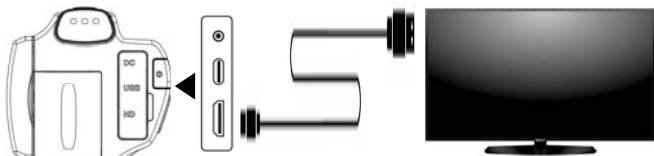
2. After successful connection, a dialog box will pop up on the camera screen. Select "USB Camera" on the screen and use the camera as a network camera for the computer.



3. After using, unplug the data cable and the camera will exit the webcam mode.

## Connect to TV for playback

1. Connect the camera and TV using an HD cable.



2 After the camera is turned on and successfully connected, press the playback button to enter playback mode.

3 You can select the photo/video you want to play by using the zoom lever of the camera, and then press the OK button to confirm playback. (Or click to select the photo/video you want to play on the screen, and then click to play)

4 After use, unplug the HDMI cable and the camera will exit TV playback mode.



## Product Parameters

|                           |                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------|
| Pixel                     | 64M; 48M; 36M; 24M; 20M; 16M; 12M; 8M                                                 |
| Video resolution          | 5K; 4K; 2.7K; 1080P; 720P                                                             |
| Memory card               | Support 4-256GB SD card, class 10/U3 level and above                                  |
| image format              | JPG                                                                                   |
| Video format              | MP4                                                                                   |
| Optical zoom              | 8X                                                                                    |
| USB port                  | Type-C/USB                                                                            |
| Screen                    | 3.5-inch IPS display screen, supporting touch function                                |
| Aperture                  | F/1.8 - 2.6                                                                           |
| Focal length              | f=5.76 - 46.09mm                                                                      |
| Optimal shooting distance | 0.2m(W)-0.4m(T)                                                                       |
| Tripod connector          | 1/4 inch standard screw hole                                                          |
| Built-in microphone       | Support (It is recommended to use an external microphone for a better experience.)    |
| Night vision              | Full-color night vision                                                               |
| Input                     | 5V/2A                                                                                 |
| Operating system          | Windows XP, Windows Vista, Windows 7<br>Windows 8, Windows 10, Windows 11<br>Mac 10.2 |

## Attention

If the battery is not handled properly, it may rupture, cause a fire, or even result in chemical burns. Please adhere to the following precautions:

- Do not disassemble the battery.
- Please do not squeeze the battery, expose it to any impact or gravity, such as hammering or dropping  
Or step on it.
- Please avoid letting metal objects touch the battery terminals to prevent battery short circuits.
- Do not expose the battery to temperatures above 60°C (140°F), such as direct sunlight  
In the car.
- Do not dispose of batteries in a fire.
- Do not touch damaged or leaking lithium-ion batteries directly.
- Please ensure that you use the original charger or a charger that meets the requirements to charge the battery.
- Please store the battery in a place where children cannot reach.
- Please keep the battery dry.
- If you need to replace the battery, please use the original battery or an equivalent type of battery.
- Please dispose of the used batteries in a timely manner according to the instructions in the manual.

## Frequently Asked Questions

|                                                           |                                                                                                                                                                                                      |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The camera cannot be started after installing the battery | The battery is low. Please charge it and try again.                                                                                                                                                  |
|                                                           | The battery packaging has not been removed.                                                                                                                                                          |
|                                                           | The battery is installed upside down. Please confirm that the battery installation method is correct.                                                                                                |
| Pressing the shutter button cannot take photos and videos | Memory full. Please save the captured file to another storage device.                                                                                                                                |
|                                                           | The memory card may be write-protected. Please remove the memory card and turn off the write-protect switch.                                                                                         |
| The photos taken are blurry                               | The camera shakes due to hand trembling during photography. Please hold the camera firmly with both hands or use a tripod or other stabilizing objects to prevent camera shaking during photography. |
| The photos or videos taken are dim                        | The lighting in the shooting environment is insufficient. Please shoot in a well-lit place or use lights to increase the brightness of the light.                                                    |
| The camera automatically shuts down                       | The battery is low. Please replace the battery.                                                                                                                                                      |
|                                                           | To save energy, the camera will automatically shut down after 5 minutes (15 minutes or 30 minutes, depending on the menu settings) if there is no operation.                                         |
| Cannot delete files from camera                           | The file protection feature in the camera menu is enabled. Please turn off this feature in the menu.                                                                                                 |
| Camera freezes or displays a distorted screen             | The storage card is in the wrong format. Please format the storage card in the camera or on the computer before using it again.                                                                      |
|                                                           | The connection cable of the screen is loose (needs to be repaired).                                                                                                                                  |
| Unable to charge                                          | The battery is not properly installed. Please confirm that the battery is installed in place.                                                                                                        |
|                                                           | If the metal contact pin of the battery has an oil film, which leads to poor contact, you can gently scrape off the oil film with a blade and then reinstall it into the machine for charging.       |

|                                                                                       |                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                       | The USB charging cable is not properly connected, or the power adapter is not properly plugged in. Please confirm.                                                                                                                                                                                                       |
|                                                                                       | The red light indicates the charging status: a flashing red light indicates that the battery is not properly installed; a steady red light indicates that it is charging; and a off red light indicates that the battery is fully charged.                                                                               |
|                                                                                       | The battery IC is defective and requires repair.                                                                                                                                                                                                                                                                         |
| Do not read the memory card                                                           | There are incompatible files on the memory card. Please format the memory card in the camera or on the computer before using it again.                                                                                                                                                                                   |
|                                                                                       | The card holder is damaged and requires repair.                                                                                                                                                                                                                                                                          |
| The recording time is too short when connected to WiFi                                | The battery is low. Please charge it and try again.<br>If the WiFi connection is enabled at the same time as the infrared light is turned on for recording, the power consumption will be too high, resulting in a short recording time. Please do not use both WiFi and infrared night vision functions simultaneously. |
| The camera interface cannot be opened in the image card or APP when connected to WiFi | When the camera resolution is set to 5K, the file size becomes too large to be transferred to a mobile phone or tablet due to its high resolution. Please adjust the resolution to 2K or below.                                                                                                                          |
|                                                                                       | The phone or tablet is too far away from the camera. Please shorten the distance between them.                                                                                                                                                                                                                           |
| The app crashes or freezes upon opening                                               | The current software is not compatible with the device. Please download and update the application software that is more compatible with the current device.                                                                                                                                                             |

## 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, and
- (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.



