

Digital Camera

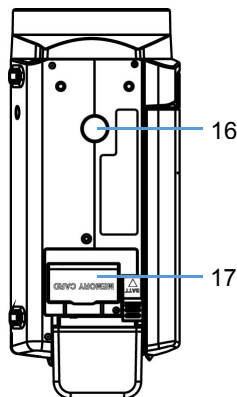
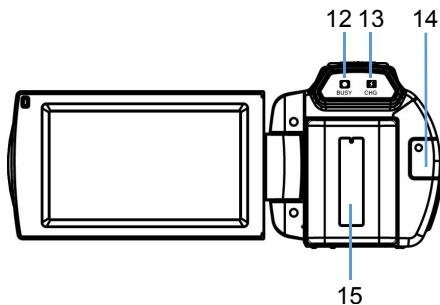
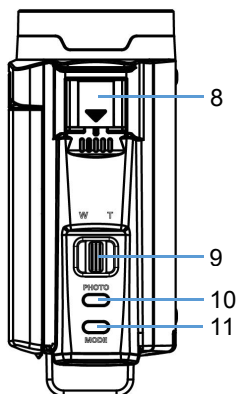
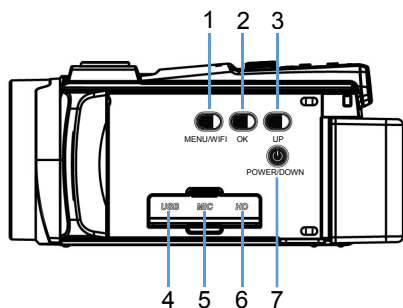
User Manual



RoHS



Structure of Camera



No.	Key/indicator light	Function
1	Menu	Open and exit menus, connect WIFI
2	OK key	Select the fill light mode(video/photo mode), pause/continue playing (while playing video), confirm (other situations)
3	Up arrow key	Menu select, long press to hide or display all ICONS on the screen, turn up the sound (play mode)
4	USB port	Data and charging cable interfaces
5	Microphone port	/
6	HD port	Use the HD cable to connect the camera with the HD display devices to transmit high-quality audio and audio signals
7	Power button/ Down arrow key	Power on (Short press) / Shutdown (Long press), Menu select, turn down the sound (play mode)
8	Hot shoe interface	Install external camera accessories
9	Zoom rod	W: Zoom out, fast back (while playing the video)
		T: Zoom in, fast forward (while playing the video)
10	PHOTO	Half press: focusing; Full press: Take a photo
11	MODE	Selective mode of operation
12	Indicator light (working)	The blue light is the working indicator light
13	Indicator light (Power & charge)	The red light is the charging indicator, which is steady on when connecting the charger. The red light will go out when the battery is full.
14	START/STOP	Start/stop shooting
15	Battery	/
16	Tripod port	/
17	Memory card port	/

How to Install the Battery and Charge It?

1. First, please place the battery in the battery slot and ensure that the guide rail of the battery is stuck in the slot. Then you should push it up until the battery is caught.



2. After turning on the screen, please connect the USB port to the camera to charge it.

3. The "CHG" indicator on the back of the camera will turn red when charging and turn off when the camera is fully charged.

4. Please replace the battery. To remove the battery, you should press the battery button and push it down.



How to Install and Charge the External Microphone?

1. Please use the USB in the package to connect the external microphone for charging.
2. When charging, the microphone indicator will turn blue and go out when the microphone is fully charged.
3. After charging, you should install the external microphone on the hot shoe interface of the camera and tighten it with the screws.
4. Please use the 3.5mm earphone cable in the package to connect the microphone and camera, namely the "MIC" port.
5. After opening the external microphone or you are using it, if the battery is low, the indicator of the external microphone will be red, and you should charge it in time.

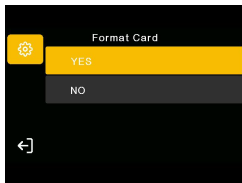
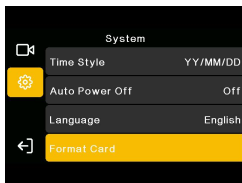


How to Turn on and Turn off the Screen?

1. When you turn on the screen and the camera will work automatically, and you can turn on the screen by pressing the "Power button".
2. When you turn off the screen and the camera will automatically shut down, and you also can press the "Power button" to turn off the screen.

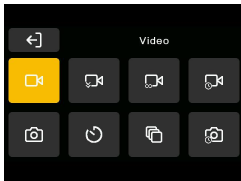
How to Install and Format an SD Card?

1. This camera applies SDXC C10 U1 grade and above SD card (4-256GB).
2. Please format the SD card for the first time. A card only needs to be formatted once. Pressing the "Menu" key and "Mode" key to enter " ⚙️ ". Pressing the "Up/Down" keys to find "Format". Pressing the "OK" key to confirm formatting, and finally press the "Menu" key to exit.



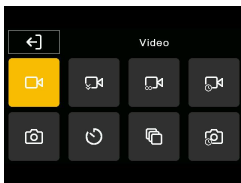
How to Take, Play Back, and Delete Photos?

1. Take photos: Please enter the "photo" MODE first: Press "Mode" to enter "Mode Selection" after startup, then use the "Zoom rod" to find "Photo", and press "OK" to confirm. When you are in "PHOTO" mode, you should press the "Photo" key at the top of the camera to take a photo
2. If you want to play back the photo, please press "MODE" twice.
3. If you want to delete a photo, please press the "MENU" key in "PLAYBACK" mode to enter the file deletion operation then you can delete the things you want.
4. If you want to change the zoom, you should use the focus stick (W/T) on the top of the camera to adjust it.



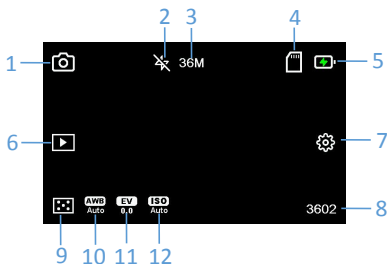
How to Record, Play Back, and Delete Videos?

1. Video recording: ① If you want to have a quick recording, you should press the "Record" key. ② First, you should enter the recording mode: When you start the device, you should enter the "Mode Selection" by pressing the "Mode", and then use the "Zoom rod" keys to find the "Recording" key, and press the "OK" key to confirm it. After entering the recording mode, please press the red dot button (START/STOP) at the end of the camera to start your recording. During recording, if you want to pause your recording, you can press "MODE", and press "MODE" again to continue your recording. Finally, you can press the red dot button (START/STOP) to end your recording.
2. If you want to play back the video, you should press "MODE" twice, select the video file, and then press the "OK" key to play your video.
3. If you want to delete some videos, press the "Menu" key in playback mode to enter the file deletion operation and you can delete something you want.
4. If you want to change the zoom, you should use the focus stick (W/T) on the top of the camera to adjust it.



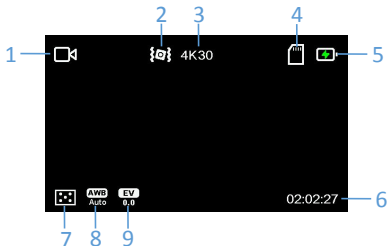
Camera screen Icon

Photo Mode




No.	Icon name	Detailed description
1	Current Mode	Press Mode to switch modes
2	Fill light	Press OK to switch the fill mode
3	Current pixel	Current photo pixel
4	SD card	Whether to install an SD card
5	Electric quantity	Battery state
6	Playback	Click this icon on the touch screen to enter playback mode (this icon will be automatically hidden within 3 seconds, and if you click the screen it will be displayed again)
7	Menu	Click this icon on the touch screen to enter the menu (This icon will be automatically hidden within 3 seconds, and if you click the screen it will be displayed again)
8	Number of photographs available	How many photos can be taken in the camera's current memory
9	Photo metric mode	Current metering mode
10	White balance	Current white balance settings
11	Exposure compensation	Current exposure compensation value
12	Photo sensibility	Current sensitivity

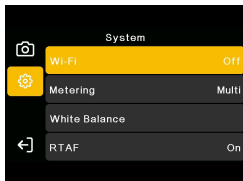
Recording Mode



No.	Icon name	Detailed description
1	Current Mode	Press Mode to switch modes
2	Shake Reduction	Reduce video blur caused by hand shaking
3	Current pixel	Current video pixel
4	SD card	Whether to install an SD card
5	Electric quantity	Battery state
6	Available space	Video available space
7	Photo metric mode	Current metering mode
8	White balance	Current white balance Settings
9	Exposure compensation	Current exposure compensation value

Camera System Setup

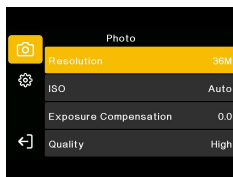
Push "MENU" > Push "MODE" > 



WiFi	On/off
Metering	Center/multi-point/dot
White Balance	Automatic, daylight, cloudy day, incandescent lamp, fluorescent lamp (H), fluorescent lamp (L)
RTAF (Real-time focus)	Off: Manual focus Open: Real-time autofocus, the camera can automatically adjust the focus according to the real-time state of the subject (moving or standing still). This function is suitable for the subject in constantly switching motion or static state.
Effect	Effect Normal / BW / Natural / Negative / Warm / Contrast(H)
Light Frequency	50 Hertz /60 Hertz
Sounds	Shutter / Beep / Volume
Date & Time Setup	The W/T focusing rod can switch the Year/Month/Day/Hour/Minute, and the "Up" or "Down" key can adjust the date and time number
Time Style	YY/MM/DD, MM/DD/YY, DD/MM/YY
Auto Power Off	You can choose 1/3/5 minutes after the automatic shutdown
Language	Multiple languages
Format Card	Use this function to format the SD card before using it for the first time
Factory Reset	Restore the camera default settings
Version	Displays the device version number

Menu in Photo Mode

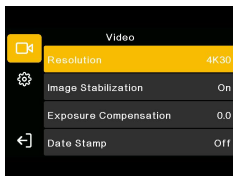
1. After the device is powered on, you can press "Mode" to select "Photo", and press "OK" to enter the photo mode.
2. You should note the "[Camera Icon]" in the upper left corner of the camera display, it indicating that the camera is in photo mode.
3. After switching to the photo mode, you should press the "Menu" key and three interfaces will be displayed. "[Camera Icon]" refers to photo setting, "[Gear Icon]" represents camera system setting, and "[Back Arrow Icon]" exits the menu. The "Mode button" toggles between photo Settings and camera system Settings. The "Up" or "Down" keys toggle between secondary menu Settings.



Resolution (Size of the picture)	48M,36M,24M,20M,16M,12M,8M,5M
ISO(Photo sensibility)	Auto/ISO100/ISO200/ISO400/ISO800/ISO1600/ ISO3200
Exposure Compensation	EV+2.0/EV+1.0/EV0/EV-1.0/EV-2.0/, Default EV0
Quality(Image quality)	High/Middle/Low
Time Stamp	Off/Date/Date & time

Menu in Video Mode

You can press "Mode" to select "Video", and press "OK" to enter the photo mode. You can press the Menu key, and you will see three screens "📹", representing video Settings, "⚙️" represents camera system Settings, and "⬅️" exits the menu. The Mode key toggles settings/exits between video Settings/camera systems. The "Up" or "Down" keys can be used to switch the secondary menu Settings.

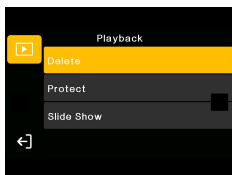


Resolution (Resolution ratio)	5K 30FPS; 4K 30FPS; 2.7K 30FPS; 1080P 60FPS; 1080P 30FPS; 720P 60FPS; 720P 30FPS
Image Stabilization (Shake Reduction)	Open/Close
Exposure Compensation	EV+2.0/EV+1.0/EV0/EV-1.0/EV-2.0/,Default EV0
Time Stamp	Off/Date/Date & time

The menu in playback mode

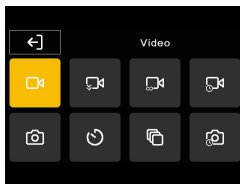
1. You should press "MODE" twice to enter playback mode. Click the touch screen, the playback icon "▶️" appears on the left of the screen, and then click this icon to enter the playback mode.
2. After entering the playback mode, you can press the menu key to enter the menu interface. Clicking the touch screen, the setting icon "⚙️" appears on the right side of the screen, and if you want to enter the menu interface you should click it.

3. After the menu is displayed, you can select File Delete to delete a single file or all files. And you can select the File lock to lock and protect files. Select Slideshow, it can let photos and videos play in 2 or 5 seconds.



Eight Modes to Choose

After powering on, you should press "MODE" to enter "Mode Selection", and then you can use the "UP" and "DOWN" keys (or the W/T zoom lever) to select the mode you want to switch, and finally press "OK".



1. Video Mode

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

2. 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.

3. 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.

4. Time lapse Video Mode

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

5. Photo Mode

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

6. 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.

7. Burst Photo Mode

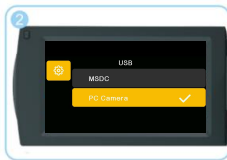
In burst photo mode, set the burst count (3 bursts/5 bursts/10 bursts), then press the Shutter. The camera will capture the specified number of photos in succession according to your setting.

8. Delayed Photo Mode

In delayed photo mode, set the interval (1 second/3 seconds/5 seconds/10 seconds/30 seconds/1 minute) and duration (unlimited/5 minutes/10 minutes/15 minutes/20 minutes/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.

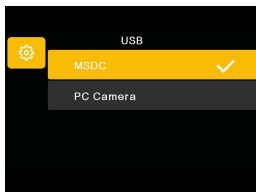
How to Enter Webcam Mode?

1. Connect your camera to the computer by using the USB.
2. After connecting the computer, you should select "PC Camera" from the external camera settings of the social media software.
3. When you want to exit camera mode, you should press and hold the "Power" button until it shuts down.



How to Upload Photos/Videos to Computer?

1. Please connect the camera to the computer by using a USB.
2. After connecting the computer, you should select "Portable Hard Disk" and press "OK" to confirm it.
3. After finishing your connecting, you can upload your camera files to your computer. When you want to exit you can press the "Power button" until it shut down.
4. You can also connect the SD card of your camera to the card reader, you can facilitate the operation of videos and photos in the SD card on your computer, and it is very convenient.



How to Connect the TV and Play Back?

1. Please use the HD cable in the package to connect your TV and camera.
2. After connecting the camera to the TV, you should press the "Mode" button twice so that you can enter "Play" mode. You can also press the "Up /Down" keys to select a video to play.
3. After finding your video, please press the "OK" button to play the video.
4. To exit the TV, you should press the "Power" button.

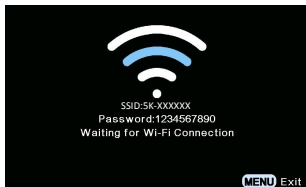
WIFI Setting

Download and Install Application Software

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

Enable WIFI Connection

Using the WIFI connection, the App can control the camera, including previewing, browsing photo galleries, downloading files from the camera to smartphones or tablets for sharing, and remotely controlling the camera through the App.



Enabling WIFI Signal Source

1. After turning on the camera, keep it in standby mode, press and hold the "Menu" button for 3 seconds, or press the "Menu" first, then select the system settings by pressing the left or right button to open the WIFI signal source. The camera screen displays the WIFI name and password.
2. Check the WIFI settings on your smartphone or tablet, find the WIFI source name shown on the camera, "5K-XXXXXX"; click to connect, and enter the WIFI password displayed on the camera.

Connecting the App to the Camera

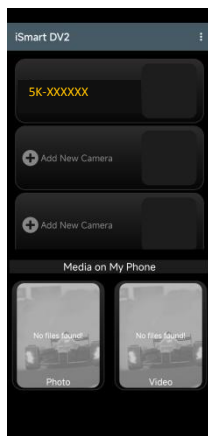
After a successful connection, users can use the App to preview, browse the photo gallery, and download files from the camera to their smartphones or tablets for sharing. Remote control of the camera can also be done through the App.

Disabling WIFI Functionality

In WIFI connection mode, press the Menu to disconnect the WIFI source and exit WIFI mode. The camera will return to its normal state.

Note

1. Please set the camera resolution to 2K or lower before using the App. If the resolution is set to 5K, the file size will be too large for transmission, and the application may not run.
2. For special instructions on downloading files to play on mobile phones, please make sure that the phone has enough space and speed to play the files. Otherwise, video playback may not be smooth.



App Preview under WIFI Connection



Preview videos and photos on the App

Product Parameter

Image pixel	48M (8000×6000); 36M (6880×5160) 24M (5600×4200); 20M (5120×3840) 16M (4640×3480); 12M (4032×3024) 8M (3264×2448); 5M (2592×1944)
Video resolution	5K 30FPS; 4K 30FPS; 2.7K 30FPS; 1080P 60FPS; 1080P 30FPS; 720P 60FPS; 20P 30FPS
Memory card	4-256GB SD card, Support SDXC C10 U1 grade and above
Picture format	JPG
Video format	MP4
Optical Zoom	3X Optical Zoom, Up to 10X zoom
Screen size	The 3-inch IPS display supports the touch function, 16:9
Focusing	Aperture F2~3.7 Focal length f=3.3~33mm
Optimum shooting distance	Wide: 0.5 meter to infinity Tele: 1 meter to infinity
Hot shoe interface	External microphone and fill light (please use our products)
TV Output	Support HD
Tripod interface	Standard 1/4 inch screw opening
Built-in microphone	Yes, an external microphone is recommended for a better experience.
Focus Mode	Manual focus, Real-time autofocus
Input	5V/1A
Operating system	Windows XP, Windows Vista, Windows7, Windows 8, Windows 10, Windows 11, Mac 10.2

Warm Tips of Frequently Asked Questions

The camera fails to start after the battery is installed	For low battery power, please charge it and try again.
	Battery packaging is not removed.
	Reverse installation of battery, ensuring that the battery is installed correctly.
You can't take pictures or videos by pressing the shutter button	If the memory is full, please save the shot file to another storage.
	The memory card may be write protected. Take out the memory card and turn off the write protection switch.
The resulting picture is blurry	Hands shake when taking pictures. Please hold the camera with both hands, or use a tripod or other object to stabilize the camera. Do not shake the camera when taking pictures.
The resulting photos or videos is dull	There was not enough light in the shooting environment. Shoot in a well-lit area or use lights to increase the brightness of the light.
Camera automatically shutdown	The battery is low, please replace the battery.
	To save power, if there is no operation for more than 3 minutes (5 minutes or 10 minutes, depending on the menu settings), the camera will automatically turn off according to the settings.
Files in the camera cannot be deleted	File protection in the camera menu is enabled. Turn this feature off in the menu.
Camera crashes or screen splashes	The format of the SD card is incorrect. Please format the SD card in the camera or on the computer before using it.
	The connection bar of the screen is loose (needs to be repaired).
Unable to charge	The battery is not installed properly. Please ensure that the battery is installed properly.
	The metal contact of the battery has oil film, which leads to poor contact. You can gently scrape off the oil film with a blade and then load it into the machine for charging.

	The USB charging cable is not plugged in properly or the power adapter is not plugged in properly. Please confirm it.
	The red light indicates the charging status: If the red light blinks, the battery is not installed properly; If the red light keeps on, it indicates that it is charging; If the red light is off, it means that the battery is fully charged.
	The battery IC is bad (needs to be repaired).
Do not read the SD card	The SD card contains incompatible files. Please format the SD card in the camera or computer before using it.
	The booth is damaged (needs to be repaired).
The recording time is too short when WiFi is connected	The battery is low, please charge it and try again. Do not use WiFi and infrared night vision at the same time if the red light is turned on at the same time for recording, the power consumption is too large and the recording time is too short in WiFi connection.
The camera interface cannot be opened in the image card or APP during WiFi connection	If the resolution is too high and the files are too large, the files will not be transferred to the mobile phone or tablet when the camera resolution is set to 5K. Please set the resolution below 2K (or 2K).
	Please shorten the distance between it and the camera if the mobile phone or tablet is too far away from the camera.
Flash back or crash when APP is opened	Please download the latest software that matches the current device when the current software is incompatible with the device.

FCC Warning Statement

Download and Install Application Software

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.

