

DB32S

4KUltra HD

Waterproof motion camera



Introduction:

Thank you so much for purchasing this head sports video camera. It can take photos and record 4K videos. In addition, you can download an APP on smart phone which lets you preview and make operation for video recording and photo shooting on APP after Wi-Fi connection. You can edit photos and videos after downloading and sharing to social media platforms

Safety:

1. Do not drop, bump or puncture this product
2. Do not store this product in a place with a lot of dust, high temperature, low temperature, humidity or strong vibration, otherwise it will cause damage
3. Do not use corrosive chemicals or solvents to clean this product
4. There are no user-serviceable parts inside this product. If the product fails, please return it to the seller for repair.

Warning:

1. Do not allow children to come into contact with this product, its accessories, and packaging materials alone, otherwise it may cause asphyxiation.
2. Do not put this product in an open flame, it may cause an explosion.
3. Electromagnetic waves of a specific frequency may affect image quality.

Notes:

1. Before you start using this product, please do a trial video so that you can master it;
2. If it is not used for a long time, please charge the device about 50% every three months before storing it, which can effectively extend the battery life. Please fully charge the battery before use.

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I. Component Description



II. Battery installation and key functions

2.1 Installing the battery

1. Open the battery cover by moving in the direction of the arrow.
2. Install the battery accurately according to the positive and negative terminals of the battery.
3. Close the battery cover and make sure the battery cover is securely attached.

2.2 Removing the battery

1. Open the battery cover by moving in the direction of the arrow.
2. Grasp the battery and pull out the battery.

2.3 Battery charging

To charge the battery, use the supplied USB cable to connect the power adapter or PC to charge the camera.

- ①. Connect the adapter to charge when the camera is off. The charging indicator flashes red during charging.

- ②. After charging is completed, the charging indicator is always on.

Note: When charging the battery, it is recommended to turn off the battery. The charging time is about 2 minutes to fully charge; Be careful not to charge it for a long time, so as to avoid overcharging the battery and battery bulging, which will affect its service life.

2.4 Insert / Remove Micro SD (TF) Memory Card

1. Insert the TF card: Insert the memory card into the card slot in the direction of the arrow, with the back of the memory card facing the lens. If fully inserted, the card will fit into the slot.
2. Pull out the TF card: Use your fingernail to hold the edge of the memory card, and gently press the card into the camera to make the memory card pop out of the card slot.

Note: Please use the brand authentic TF card. The SD card supports 8G-126G (high-speed card of class 10 or above is recommended .The use of low-speed cards may cause the machine to freeze or other problems).

2.5 Key Function Introduction

Power key / Back key/Mode button	Short press	Under power-on mode, short press mode switch.
	Long press	In the off state, long press to turn on. long press for 3 seconds to turn off.
Shooting button / Confirmation button/ Playback stop button	Short Press	①. In the recording interface, short press to record; short press again to stop recording. ②. In the photo interface, short press to take a photo. ③. In the setting menu, short press to confirm the set parameters. ④. During video playback, short press to start local playback, short press again to stop

		Playback.
Wi-Fi button/ down button/ Set button	Short Press	① In video/photo mode, press to open the corresponding Settings menu ② In the setup menu and playback mode, short press is the function of turning down.
	Long Press	In standby mode, long press the Wi-Fi button to turn on Wi-Fi. After successfully connecting with the APP, the APP controls the machine to take photos and videos. At the same time, long press the Wi-Fi button to turn off the Wi-Fi.

III. The indicator function description

3.1 Work indicator

- ① When the machine is turned on, the green light is always on.
- ② When formatting, the green light is always on.
- ③ Connected to the computer, the green light is always on.
- ④ Playback mode, the green light is always on.
- ⑤ Setting interface, green light is always on.
- ⑥ Video standby, green light is always on.
- ⑦ Standby for photos, green light is always on.
- ⑧ When recording, the green light flashes.
- ⑨ When taking pictures, the green light flashes.
- ⑩ When there is no memory card, the green light flashes
- ⑪ Turn on the Wi-Fi, the blue light flashes
- ⑫ When Wi-Fi recording is on, the blue light is always on and the green light is blinking
- ⑬ Connected to Wi-Fi, the blue light is always on

3.2 Charging indicator

- ① When charging, the red light is always on

- ② Fully charged, red light off

IV. The basic operating instructions

4.1 Switch on and off

Long press the power button () of the device, the machine will enter the standby state, the indicator light is always green, short press the switch mode again, in any state, long press the power button for 3 seconds to release the hand, the machine will shut down.

4.2 Video Recording

After turning on the machine, the machine directly enters the standby preview state, and presses the "Shooting button" to start recording, and the green light flashes; in the recording state, press the "Shooting button" again to end and save the recording file.

4.3 Taking Pictures

After turning on the machine, the machine directly enters the standby preview state. Press the "power button" to switch the mode to the camera interface, and then press the "Shooting button" to take a picture. When the picture is taken, the green light flashes.

4.4 Video playback

When the machine is in the standby state, press the "power key" to switch the mode to the setting interface, then press the "Wi-Fi" key to select the video playback icon, and then press the "Shooting button" to enter the video playback preview interface; you can press the "Wi-Fi" key to scroll down and select for the video file that needs to be played, press the "Shooting button" to play back the video. During playback, press the "Shooting button" again to stop playback, and press the "power button" to exit the playback interface.

4.5 Photo playback

When the machine is in the standby state, press the "power button" to switch the mode to the playback interface, then press the "Wi-Fi button" to select the picture icon, and then press the "Shooting button" to directly enter the picture playback interface; you can press the "Wi-Fi button" to scroll down and select For the picture file being played, press the "power button" to exit the playback interface.

4.6 Camera Settings

In standby mode, press the "Power" button to switch to the playback interface, press the "WiFi" button to select the camera setting icon, and press the "Shooting" button to directly enter the camera setting interface. Press "WiFi" button to scroll down to select Settings that need to be changed. Press "OK" button to enter the second-level menu for selection. Press "OK" button again to confirm selection and press "Power" button to exit camera setting.

4.7 Connecting a computer

① When the machine is in standby mode, short press "power key" to switch to the setting interface, then press "WiFi button / flip down" to select camera settings, continue to short press "WiFi button / down button" to flip down to select USB option, short press "Shooting button / Confirmation button" and select MSDC / UVC MJPG function arbitrarily.

② Remove the equipped USB cable and connect the machine and computer in turn: when the MSDC function is selected, the removable disk will be displayed on the computer. When the UVC MJPG function is selected, the computer's video device will display the machine lens screen.

4.8 with HDTV

Use the micro HDMI cable to connect the TV, you can play the video and picture files you shot on the TV.

V. Wi-Fi use instructions

5.1 Download app

For Android user: Search "iSmart DV" in GooglePlay
For IOS user: Search "iSmart DV" in APP STORE

5.2 Connect to Wi-Fi

- ① Turn on Wi-Fi: The machine is in the standby state. Press and hold the "Wi-Fi" key to turn on Wi-Fi, and the Wi-Fi name and password will pop up on the screen of the machine.
- ② Connect to Wi-Fi: Search for the name of Wi-Fi with your mobile phone, such as: DB32S_XXXXX, enter the initial password 12345678, and click Connect to connect to Wi-Fi.
- ③ Click the APP icon on the mobile phone to enter the monitoring screen, use the APP to record the machine, take pictures, etc., modify the resolution in the settings, modify the Wi-Fi password and other operations

Note: After successfully connecting to Wi-Fi, the device Wi-Fi icon turns green. After entering the APP, the device date and time will automatically sync to the time and date displayed on the current phone.

Note: After turning on the camera, in the video preview state, press the "power key" to switch the mode to the setting interface, press the "Wi-Fi" key to select the parameter setting to be modified, press the "confirm key" to enter the parameter setting, and then press " Wi-Fi "key selection needs to modify the parameter options, after the selection is completed, press " Confirm Key "again to confirm, press" Power Key "to exit the parameter setting interface.

VI. Setting of recording parameters

6.1 Video resolution

There are nine options for video resolution: "4K60、4K30、2.7K30、1080P60、1080P30、720P120、720P60、720P30、480P30". The larger the value, the larger the resolution, the larger the file, and the shorter the recording time with the same power in the

memory, the value The smaller is the opposite. Users can adjust the sharpness of the device by setting the resolution.

Tip: In recording mode, press the "WiFi" button to enter the recording setting interface

6.2 Exposure compensation

There are five options for exposure compensation: "+2.0, +1.0, +0.0, -1.0, -2.0". The default exposure compensation is "+0.0". Exposure compensation refers to improving the shooting effect by setting the exposure value in some special scenes.

6.3 Loop recording

The time interval for the Loop recording is three options: "Off, 1 minute, 3minutes". The default time is "O ff". When "1 minute" is selected, the file saved in the recording is divided into multiple "1 minute" video files.

Note: Time-lapse video cannot be selected after conflict with time-lapse video interval is turned on

6.4 Time-lapse video interval

Time-lapse video interval time includes "Off, 1 second, 3 seconds, 5 seconds, 10 seconds, 30 seconds, 1 min" seven options.

Interval recording is off by default. Interval video captures each frame at a set interval and forms a video. The time interval determines the elapsed time between each frame of the shot.

Note: Video files recorded with interval recording have no sound.

6.5 Time-lapse video shooting time

Time-lapse video duration includes "Unlimited, 5 minutes, 10 minutes, 15 minutes, 20 minutes, 30 minutes, 60 minutes". The seven options default to "unlimited". The selected option is the actual recording duration setting.

Note: The front-end time-lapse video interval needs to be on, otherwise this option cannot be selected

6.6 Slow Motion Movie

Slow motion recording includes two options: "on" and "off". The default is "off". When selected, the video will be automatically slowed down.

Note: You need to select a resolution of 120 frames to use

6.7 Fast Motion Movie

Fast motion recording includes "off, 2x, 4x, 6x, 10x, 15x" six options. The default is "off". After selection, the recorded video is accelerated according to the selected multiple

Note: Video files recorded with interval recording have no sound.

6.8 HDR(High dynamic range)

High dynamic range includes "on, off" and "off" by default.

Selecting on can provide more dynamic range and video details, which can better reflect the effect of the real environment.

Note: Need to select a resolution 30 frames to use

6.9 Date Stamp

The date label has three options: "off, date ,date time". This option allows you to set the display of the captured video. The default date label is "On".

VII.Setting of camera parameters

7.1 Image resolution

Photo size refers to photo pixels. Supported photo resolutions include "20MP(5200×3900) 、 14MP(4320×3240) 、

10MP(4320x2430) 、 8MP(3840x2160) 、 5MP(2592x1944) 、 2MP(1920x1080)" six options. The default resolution is "20M".

7.2 ISO

ISO options include "Auto, 100, 200, 400, 800, 1600, 3200". The seven options default to "Auto". When shooting in relatively dim light, you can often choose a higher ISO sensitivity

7.3 Exposure compensation

There are five options for exposure compensation: "+2.0, +1.0, +0.0, -1.0, -2.0". The default exposure compensation is "+0.0".

Exposure compensation refers to improving the shooting effect by setting the exposure value in some special scenes.

7.4 Time-lapse photo interval

Time-lapse photo interval options "Off, 3 seconds, 5 seconds, 10 seconds, 30 seconds, 1 minute" six options. Interval shooting Takes each frame at a set interval and forms a photo. The time interval determines the elapsed time between each frame of the shot.

7.5 Time-lapse photo shooting time

Time-lapse video duration includes "Unlimited, 5 minutes, 10 minutes, 15 minutes, 20 minutes, 30 minutes, 60 minutes, off" Eight options Default is "unlimited" The selected option is the actual recording duration setting

Note: The front-end time-lapse video interval needs to be enabled or this option has no effect

7.6 Photo burst

Photo burst includes five options of "3 shots/1s, 7 shots/2s, 15 shots/4s, 30 shots/8s, and off". The default is "off". After selection, the selected option is the number of photos taken continuously when taking photos.

7.7 Daley timer

Daley timer includes three options: "delay 2 seconds, delay 10 seconds, off". The default option is "off". The selected option is the waiting time after clicking the camera button when taking a photo.

7.8 High Dynamic Range

High dynamic range includes "on, off". The default is "off". Selecting on can provide more dynamic range and image details, which can better reflect the effect of the real environment.

7.9 Date Stamp

The date label has three options: off, date ,date time". This option allows you to set the watermark display. The default date label is "On".

VIII. Camera settings

8.1 Power frequency

Optical frequency has two options: "50Hz and 60Hz". The default optical frequency is "50Hz". Select the light frequency to eliminate screen flicker during recording. In standby mode, if the screen does not flicker, you do not need to adjust the light source frequency parameter.

8.2 Sounds

Sound settings include "shutter, boot-up, beep , volume" four options. Shutter, power-on sound, and key sound can be switched on and off by default. There are four options: "On", "Volume 1, 2, 3". Use this option to set the volume of the keys and the volume of the power switch. The default volume is "2".

8.3 White balance

White balance has five options: "Auto, Daylight, Shade, Tungsten light, White fluorescent". The default white balance is "Auto".

8.4 Effects

Effects include "Normal, Black and White, Natural, Negative, Warm, Brightness Contrast" six options. Default "Normal"

8.5 LDC

LDC has "On, Off", the default is "On", which can improve the photo distortion and distortion caused by the lens under certain conditions

8.6 Date&time

This option allows you to set the camera's time and its year / month / day display format.

Note: After entering this menu, you can switch by short pressing the electric shooting button and short pressing the Wi-Fi button to set the time. After the setting is completed, short pressing the shooting button returns to the main menu bar.

8.7 Screen saver

The screen saver has five options: "off, 1 minute, 3 minutes, 5 minutes". Auto screen off means that the machine automatically

turns off the screen and goes to sleep after no operation. The default screen saver is "Off".

8.8 Auto power off

There are four options for automatic shutdown: "1 minute, 3 minutes, 5 minutes, 10 minutes, and shutdown". Automatic shutdown refers to the automatic shutdown time after the machine is turned on without any operation. The default automatic shutdown is "off".

8.9 Power-on auto record

There are two options of "on and off" during boot recording. When "Confirm" is selected, the machine will automatically enter the recording state when the machine is turned on.

8.10 USB

USB has two options: "MSDC, UVC MJPG". When "MSDC" is selected, the information in the card will be read when connected to the computer using USB. When "UVC MJPG" is selected, the screen will be displayed on the computer after connecting to the computer using USB. The machine can be used as a camera

8.11 Reset Wi-Fi Settings

There are two options of "YES, ON" for Wi-Fi setting reset. When "YES" is selected, Wi-Fi factory parameters will be restored

8.12 Language

The language supported by this device includes eleven languages: English, Simplified Chinese, Traditional Chinese, German, Spanish, Portuguese, Dutch, French, Polish, Japanese, Turkish, Italian. The default language is English.

8.13 Format card

Format has two options: "YES, ON". Formatting is to clear the files in the machine and delete all the video and picture files in the machine. The format is "no" by default.

8.14 System

8.14.1 Restore to factory setting

The default setting is "YES, ON". When "YES" is selected, the system factory parameters will be restored.

8.14.2 System Information

This option allows you to query the firmware version information of the current machine.

8.14.3 Card Information

This option can query the used space and remaining capacity of the TF card

IX. Frequently Asked Questions

9.1 Why can't the host computer be turned on?

Answer: The battery is exhausted and needs to be fully charged

9.2 Why is it interrupted halfway when copying data to a computer?

Answer: The USB interface on the front panel of the computer is insufficiently powered. It is recommended that the data cable be connected to the USB interface on the rear panel of the computer.

9.3 Why doesn't the computer recognize the device?

Answer: Data cable problem, need to replace the data cable

FCC 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.

RF warning for Portable device:

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