



Technology
with Vision



DRIVING VIDEO RECORDER DR 500 INSTRUCTION MANUAL

PRODUCT STRUCTURE



- | | | | |
|---|-------------------------------------|---|------------------------|
| ① | OK button | ⑧ | Reset |
| ② | Mode button | ⑨ | Microphone |
| ③ | Lock button | ⑩ | TF /Micro SD card slot |
| ④ | Power button | ⑪ | Up |
| ⑤ | HDMI rear lens interface (optional) | ⑫ | Menu |
| ⑥ | USB interface | ⑬ | Down |
| ⑦ | Speaker | | |

BUTTON FUNCTION DESCRIPTION

● **Power button**

When camera is off, press and hold this button for 3 seconds to turn it on, and press and hold again to turn it off.

In the video / photo / playback mode, short press to turn off the screen.

● **Lock button**

In the recording mode, short press this button to manually lock the current video.

● **Mode button**

Function switch between recording mode, camera mode, and playback mode.

● **OK button**

In the recording interface, short press to start / stop the recording function.

In the photo mode, short press to take a photo.

In the playback mode, short press to start or pause the video.

In the menu, short press to confirm the selection.

● **USB Port**

Connect PC to transfer data (storage / PC camera).

Connect an external power supply to charge the battery or power supply.

● **Reset button**

Press the reset button to reset to default factory settings.

● **Down button**

Selecting down in the menu.

Short press this button to turn on/off the microphone when cameras is recording.

In playback mode, short press this button to select options.

While playing back the video, short press this button to speed up the video.

● **Menu button**

Short press this button to enter the menu, press this button again to switch to the system setting.

● **Up button**

Selecting up in the menu.

In playback mode, short press this button to select options.

When playing back the video, short press this button to roll back the video.

● **TF / MicroSD card slot**

Insert the card, it is recommended that the TF / Micro SD card use Class 10 and above high-speed cards.

SPECIAL FUNCTION DESCRIPTION

Automatic on / off



After connecting with the vehicle power supply, the camera starts recording automatically, and shuts down when engine is off.

Motion Detection

Once movement is detected within the viewing angle of the camera lens, the camera will start recording automatically. The camera will stop recording when no movement is detected within the viewing angle of the camera lens, to save memory space of the TF / MicroSD card.

BASIC FUNCTION OPERATING INSTRUCTION

Power on and off

Press and hold  power button to turn it on, press and hold the  power button again to turn it off.

Note: When the battery voltage is low, it will prompt the battery to automatically shut down.

Camera mode

Short press the **MODE** button to switch to the camera mode, and the camera icon is displayed in the upper left corner of the screen.

Short press the **OK** button to start the camera, and a red flash will appear next to the camera icon to indicate the camera is working.



Photo mode



Short press the **MODE** button to switch to the photo mode, and the photo icon is displayed in the upper left corner of the screen

Press the **OK** button to take a photo. A sound will be heard which indicates that the photo taking is complete.

Video / photo playback

Short press the **MODE** button to switch to the playback mode, and the playback icon is displayed in the upper left corner of the screen



Short press  to select the photo / video, and short press  again to roll back the photo / video.

Short press  to select the video, and short press  again to fast forward the video.



Short press **OK** to play the selected video.

Menu Settings

Short press the **MENU** button to enter settings; Short press the **MENU** button again to switch to the system menu, short press the third time to exit the setting.

You can short press the   switch to navigate in the setting sub-menu and press the **OK** key to enter the setting sub-menu.

Time Settings

Short press the **MENU** button to enter the setting, select the date and time option by pressing the   button, short press the **OK** button to enter. You can use the **OK** button to adjust the year / month / day / hour / minute / second, Press the **MENU** button again to confirm the modification.

MENU INSTRUCTION

A Recording

Video resolution

You can choose 1080P FHD, 720P HD and VGA.

Loop recording

Video recording period is optional, either 1 minute / 3 minutes / 5 minutes. When the selection is off, the SD card will be full after a period of time.

Time-lapse recording

Optional: off / 100ms / 200ms / 500ms.

WDR

Wide dynamic range is optional and can be switched on / off.

Exposure

It is used to adjust the brightness of the light. When the exposure is high, it will be too bright to recognize the license plate. The default is 0.

Recording

You can choose whether to record the sound and check if this option is on when the video has no sound.

Date

When the selection is turned on, the computer playback video shows time and date on the display.

Gravity sensor

This function has high, medium and low options for you to choose. If the sensitivity is too high, you can choose lower sensitivity accordingly.

When an accident is to happen while driving, the last recording will be locked and will not be overwritten by the automatic loop recording (If you find that the memory card is full, please format the memory card. Or you can set this option to low or off).

Parking guard

When the recorder detects vibration while engine is shut off, it will automatically starts recording. This function requires a supply of power from the battery. It will automatically shut down after 29 seconds of recording.

B Photo mode

Setting

Optional single shot / 2 second / 5 seconds / 10 seconds. Single shot is by default

Photo resolution

Choice of 12M / 10M / 8M / 5M / 3M / 2M / 1.3M / VGA, 1.3M is by default

Burst mode

When this function is turned on, camera will take 3 pictures every single shoot.

Image Quality

High, Medium, Standard

Sharpness

Strong, Normal, Soft

White balance

Color setting in different environments (recommended for automatic selection, otherwise it will cause color distortion). The default is automatic.

Color

Choice of normal / black and white / classic.

ISO

Choice of automatic / 100 / 200 / 400.

Exposure

It is used to adjust the brightness of the light. When the exposure is too high, it will be too bright to recognize the license plate. The default is 0.

Anti-shake

Choice of on / off.

Date label

When the selection is turned on, you can check time and date on the display.

C System setting menu function introduction

Screen off

When this function is enabled, the screen will automatically switch off within the time set while recorder continues to function. Choice of either immediate switch off or 30 seconds / 1 minute / 2 minutes delay switch off.

Automatic shut-down

When camera does not have a TF / Micro SD card and not recording at that moment, it will automatically shut down at the selected time, choice of either immediate switch off or 1 minute / 3 minutes / 5 minutes delay switch off.

Frequency

50Hz / 60Hz

Button sound

Choice of on / off.

Language selection

Set the language (English, Chinese, Japanese).

Date / Time

Adjust date / time (the camera will reset time by default when there is no power in the battery), please set it again.

Format

Format the TF / MicroSD card (recommended to be formatted every 15 days) as when there are too many locked videos, storage space for new videos will be limited.

Note: Use this feature with caution when there is important content in your card.

Default setting

This will restore the factory setting.

Version

Software version number.

D Playback mode

Delete

You can delete the unlocked video or picture.

Protection

You can manually lock the current or all unlocked videos, as well as unlock the locked video.

Slide show

Choice of 2 seconds / 5 seconds / 8 seconds.

PRODUCT SPECIFICATION

Product Name	Car Driving Recorder
Product Features	FHD camera, FHD video
Color	Black
Lens	140 degree + high-resolution wide-angle lens
Language	English, Chinese, Japanese
File format	MOV
Video resolution	1080P, 720P, VGA
Loop	Loop recording
On-board	Automatically on / off when car engine is on / off
Motion detection function	Support
Year, month and day	Support
Photo pixel	2MP
Photo format	JPEG
Memory card	TF / Micro SD card (supports up to 64GB / Class 10)
Rear pull camera	Support
Parking guard	Support
Built-in audio	Support
Frequency	50Hz / 60Hz
Power connector	5V 1A
Battery	Built-in lithium polymer battery

FAQ

Under normal operating conditions, if there is a problem with the product, please refer to the following solutions:

1 Can't take pictures or recording

Check if the TF / MicroSD card has enough space or clear any unnecessary locked files.

2 Stop recording automatically when it is working

Due to the huge HD video data, please make sure that the TF / MicroSD card you are using is of a compatible high-speed TF / MicroSD card. High-speed cards of Class 10 or above is recommended.

3 "Error" prompt appears when playing back pictures and videos

An error occurred while storing the data on the TF / MicroSD card, resulting in incomplete files. Please use the "Format" function of the camera to reformat the TF / MicroSD card.

4 The image or video is not clear enough

Check the lens for dirt and fingerprints. Use lens paper to wipe the lens before working.

5 The image is dark

The camera's auto exposure function is affected in large contrast scenes and can be corrected by adjusting the "EV" value in the setup menu.

6 The color performance is not perfect

Please check if the "White Balance" function is set to Auto.

7 There are stripes in the image

This is caused by setting the wrong "frequency". Please set it to "50Hz" or "60Hz" according to the local power supply frequency.

8 Dashcam / Screen not reacting

Please press the reset button to set the camera.

DISCLAIMER

- This device is NOT intended to be used for illegal purposes; surveillance and shall not be used in any form as evidence for claim purposes.
- Some countries prohibit drivers from mounting anything on the windshield or restrict mounting to specific areas of the windshield. It is the owner's responsibility to mount the device in compliance with local laws.
- Errors may occur depending on the surrounding environment and the voltage of the car.
- Company is not liable / responsible for non-recorded event, missing files, etc.