

# FULL HD CAR DVR

Full HD  
1080



# HD CAR RECORDER

This product uses high performance chips to provide high definition video and a seamless dynamic picture for a truly HD camera. With auto power on and off and automatic looping recording is it a fit and forget solution.

## Appearance and button functions.



### 1. Power button

Function one: Turns the camera on and off.

In the off state, press and hold the power button for 3 seconds to turn the camera on. In the on state, press and hold the power button for 3 seconds to automatically save the video file and turn off.

Function two: camera light function

In the standby mode, short press the power button to turn set the LED lights to on, off or automatic mode. In automatic mode the LED lights are controlled by the brightness of light received by the camera sensor.

### 2. OK Button

Function one: Enable or disable video recording function

In video mode, short press to start or stop recording.

Function two: Camera button

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

Function three: File playback button

In the file browse mode, short press to play video.

Function four: Confirm key

In the standby mode / pattern / photo video playback mode; short press the menu button to enter menu mode, short press the page up/down keys to navigate and short press OK to select the menu item.

Function five: Full screen button

In the video / photo / file browsing mode, long press to switch between normal and full screen viewing mode.

### **3. Up Arrow Button**

Function one: Navigate menu

Short press to move up/left in the settings menu and navigate through recordings in playback mode.

Function two: Camera switching function

In video recording mode, short press to switch between the front camera, rear camera, picture in picture or split screen display modes; In photo mode, short press to switch between the front camera and rear camera.

Function three: Motion detection

In the standby mode, long press to switch to the motion detection mode. Long press to exit the motion detection mode.

Function four: Rewind

In playback mode, short press can rewind.

### **4. Down Arrow Button**

Function one: Navigate menu

Short press to move down/right in the settings menu and navigate through recordings in playback mode.

Function two: Pause and resume audio recording

In video mode, short press to pause audio recording, in the lower right of the screen the microphone icon will change to indicate no audio recording. Short press again to resume audio recording.

Function three: Fast forward

In playback mode, short press to fast forward through the current recording.

## **5. Menu Button**

Function: Enter the setting menu

In the standby mode, short press to enter the main menu function. In the menu use the up and down arrow to select options set and short press OK to confirm. After setting short press menu to exit the settings menu. The setting methods are the same in video mode, camera mode and playback mode.

## **6. Mode Button**

In standby mode, short press to switch between video mode, camera mode or playback mode.

## **7. Emergency Video Lock Button**

In video mode short press lock the current recording to prevent it being overwritten, the lock icon will appear in the lower right of the screen to confirm the recording is locked.

## **Installation guide**

1. Turn off the car engine.
2. Insert a MicroSD card into the slot on the camera.  
Please use a high speed MicroSD Card (Class 6 or higher) with a capacity of not less than 2GB. The maximum size supported is 32GB.
3. Attach the camera to the car.
4. Plug the car charger into the car cigarette lighter/accessory socket.
5. Install the rear camera at the rear of the vehicle and run the cable along the headlining or sills. Plug the jack plug for the rear camera into the socket on the camera.
6. Adjust the camera positions so that the lenses are level with the ground.
7. Switch the ignition on to check the camera is functioning properly.

## **Optional reversing camera function**

Connect the red wire on the rear camera to the +12V reversing light circuit of the car. Connect the black wire to the vehicle chassis/ground.

When these wires are connected putting the car into reverse gear will automatically switch the screen to show the rear camera with reversing assistance lines.

## **Functions**

### **1. The use of automatic recording function**

Switch the ignition on and the camera starts recording automatically and the charging indicator light flashes. Turn the ignition off and the camera will save the current recording and turn itself off. When the card is full it will start to overwrite the oldest recording that is not locked.

A. The camera saves the recordings in segments. Recording time can be set in the menu in the range of 2/3/5 minutes each or off.

B. Recordings are saved on the card in the "DCIMA" folder for the front camera and the "DCIMB" folder for the rear camera.

C. If you set the video length to off recording will stop when the card is full.

### **2. Manual recording function**

Long press the power button for 3 seconds to turn on and start recording, the video indicator lights and flashed. To shut down again long press the power button for 3 seconds.

### **3. Camera function**

In the on state, short press the mode button to switch into the camera mode, at the top left corner of the screen the icon will show a camera, short press OK to take a picture. To switch back to the recording mode short press OK two times.

### **4. Motion detection function**

In the standby mode, long press the up button to enter motion detection mode. When the camera detects moving objects it will start recording, when the camera does not see objects more for 5 seconds it stops recording. To exit motion detection mode long press the up button for 3 seconds

## **5. Collision sensing function**

The internal collision sensor (G-sensor) detects an impact and will lock the current recording, at the same time the display shows the lock icon. Locked image will be saved as a special file and will not be automatically overwritten.

A. A locked file is named with ZW at the beginning, and ordinary recording starts with AW.

B. Collision sensor (G-sensor) sensitivity can be adjusted in the settings menu.

## **6. Recording lock function**

The camera lock function will need to retain a recording without it being overwritten. In video mode, short press the emergency lock button and the recorder will lock the current 2/3/5 minute segment.

## **7. Date and time settings**

In standby state short press the menu button to enter the system setup menu, press the up and down arrow buttons to move the cursor to set the date option. Short press OK to enter the menu settings.

## **8. One key mute function**

In the working state, short press the down arrow button to stop recording audio, the recorder continues to record the images without the sound recording. Another short press of the down arrow button will resume the audio recording function.

## **9. USB disk mode**

When connected to your computer using a USB cable the screen displays the USB disk, camera, and charging modes. Short press the up and down arrows to select the USB disk option and then press OK to confirm. The cameras MicroSD card will appear on your computer like a normal USB drive.

## **10. File playback**

In the on state short press the mode button two times to switch to the playback mode. Short press the up and down arrow buttons to navigate to the recording you want to play, short press OK to start playback. To return to recording mode short press the mode button again.

## Specifications:

Front camera: FHD1920x1088,HD1280x720,VGA640x480 @ 30fps

Rear camera: 720x480 @ 25fps

Codec: MJPG

Video format: AVI

Picture format: JPEG

Storage temperature: -30°C~70°C

Operating temperature: 0°C~50°C

Operating humidity: 15-65%RH

Storage card capacity Maximum supported: 32GB

Standard voltage at USB socket: DC5V