Car Rear-View Mirror DVR

User Manual

To ensure that this product fully performs its functions during use and has longer service life, please kindly carefully read this manual before installation and use of this product.

Copyright warning

If without authorization, recording information under copyright protection might infringe the copyrighter's rights and interests, and violate Copyright Law.

Notes

1. If abnormal conditions appear, such as crack of the charger's housing and crack of the product's housing, please immediately discontinue use of the product and contact our support staff.

2. Do not operate the product while driving, to avoid possible accidents due to distracted attention.

3. If the product needs cleaning, please use soft cloth and gently scrub the product. Do not use any chemical agents to clean the product.

4. Do not expose the product to heat or direct sunlight for a long time, especially such heat environment in the vehicle.

5. Do not store or use the product in a humid environment, or in an environment with inflammable, explosive or corrosive gas or liquid.

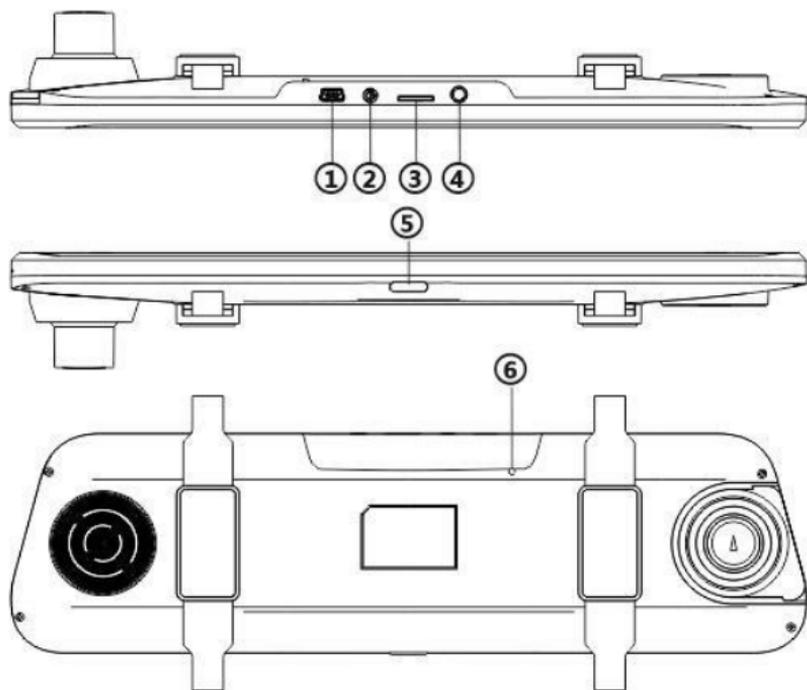6. Do not remove or insert the TF card when the product is recording.

Warning

Unless you are a professional, do not perform disassembly, assembly, modification or repair of the product by yourself, which might damage the product, and even cause more serious consequences, such as fire disaster.

This manual is attempting to provide accurate information. We are not responsible for any consequence arising from any misprints or translation errors. This manual's copyright belongs to us. Any unauthorized copying or translation of the whole or part of this manual for commercial purposes is not allowed. We reserve the right to interpret contents in this manual.

Notes

In case of upgraded software, parameters might change without prior notice, which is subject to actual product parameters.

Camera Overview

1. USB power interface
2. Rear camera interface
3. TF card slot
4. Reserved hole
5. Power
6. Reset

ELINZ

Functions of buttons and interface

1. Power

Function 1: power on/off

Press and hold "power" button for 3 seconds to manually turn on/off the product.

Function 2: backlight on/off

Press "power" button to turn on/off backlight. (This function does not influence video recording.)

2. Reset

If the DVR's system is halted, press "reset" button to turn off the DVR.

3. USB power interface Connect

DC 5V power supply.

4. Rear camera interface

Connect the rear camera.

5. TF card slot

Insert a TF card and the video files will be saved in the TF card.

ELINZ

Operation guide

1. Installation of the car DVR

   1) Turn off the vehicle engine.

   2) Insert a TF card into the card slot on the DVR.
   [Attention] Please use a high-speed TF card (Class 10)
   with capacity of 8GB at least. 64GB is supported at most;

   3) Use the rubber buckle on the back to fix the DVR on
the original rear view mirror in the vehicle.

   4) Plug the vehicle charger into the vehicle's cigarette
lighter, and plug the charger's USB port into the DVR's USB
power interface.

   5) Install the rear camera on the back of the vehicle. Pay
attention to the direction during installation. Wires could be laid
along the vehicle ceiling. When installation is completed,
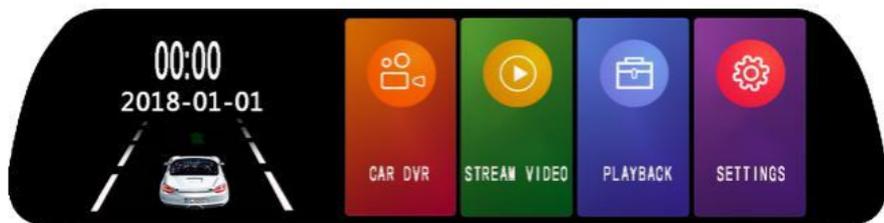connect the rear plug to the rear camera's interface on the DVR.

[Attention] If the reversing camera is needed, it is necessary to
connect the red wire for the rear camera to the positive pole of the
reversing light. Please contact a 4S shop or a professional
maintenance shop to complete the installation.

   6) Adjust the position of the camera to make sure that the
camera is parallel to the ground.

   7) Start the vehicle engine to check if the DVR is correctly
installed

**[Attention] If the TF card is first used for the DVR, please
format the TF card in the DVR's menu.**

ELINZ

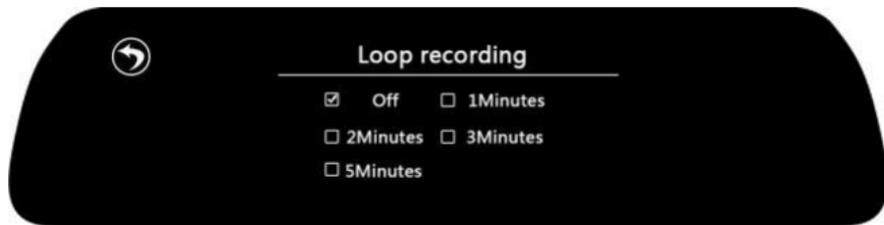## 2. Brief introduction to functions
1) Introduction to the main screen

Click 🔴 "settings" to enter the setting screen for video recording setting and the system setting.

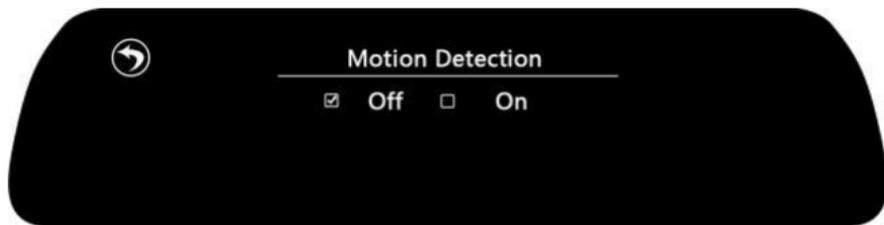|	
Resolution	1296SHD
Loop recording	1Minutes
Motiin Detection	On
Gsensor	Medium
Park mode	Medium 1/3

a. Video resolution: 1296SHD and 1080FHD are available to set the DVR's video resolution. Check one of them to select video resolution and click the return icon to return to the setting menu.
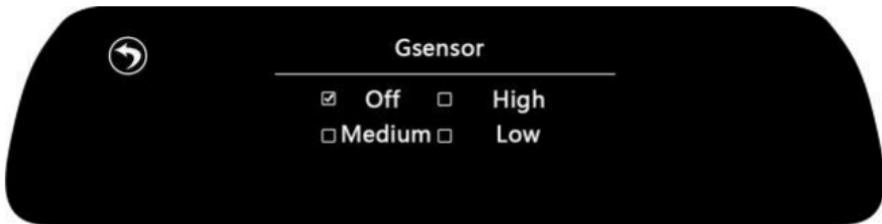

Resolution

☑ 1296SHD   ☐ 1080FHD

b. Loop recording: The video duration could be set as off, 1 minute, 2 minutes, 3 minutes or 5 minutes.

c. Motion detection: It could be set as on or off. When motion detection is on and the DVR is recording, then if the front camera does not detect a moving object for 10 seconds, the DVR will stop recording video to save card memory; if the front camera detects a moving object, the DVR will automatically start recording video. If motion detection is off, then the DVR will keep recording. An icon "F" will be displayed in the screen when motion detection is on.
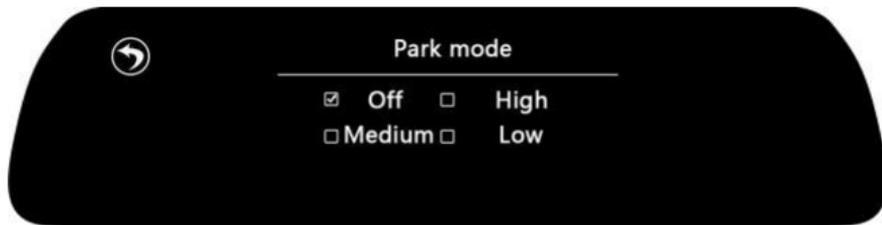
ELINZ

d. G-sensor: The sensitivity of G-sensor could be set as off/high/medium/low. When G-sensor is on, if vibration (like collision) occurs during video recording, the current video will be locked automatically. Please choose the sensitivity of G-sensor based on actual need. An icon "G" will be displayed in the screen when G-sensor is on.
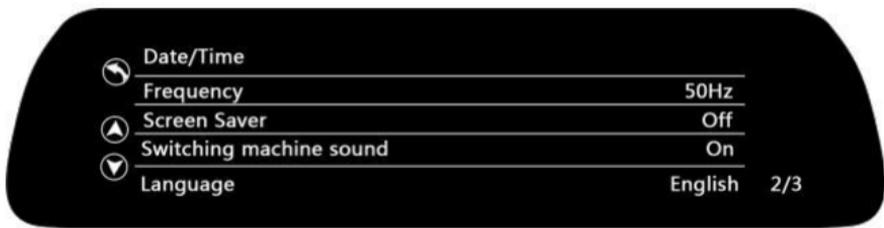

[Attention] When G-sensor is on, the files might be locked due to road bumps while driving. If too many files are locked, available memory of the TF card will be reduced. Please format the TF card on a regular basis (around every two or three weeks) through this product's formatting function to ensure the DVR works properly.

e. Park mode: Four options of off/high/medium/low are available for collision induction based on the sensitivity of G-sensor. An icon "P" will be displayed in the screen when the park mode is on.

ELINZ

[Reminder] The sensitivity of G-sensor could be adjusted. The default sensitivity is off. Please change the G-sensor setting in "settings" based on actual need.

f. Time/date settings: In the `time/date` setting screen, click up or down arrow to choose correct date and time. After setting is completed, click the return icon and the time/date settings will be automatically saved. If the time/date settings could not be automatically saved, **just need to turn off the DVR after setting the correct time and date, and then turn on the DVR.**
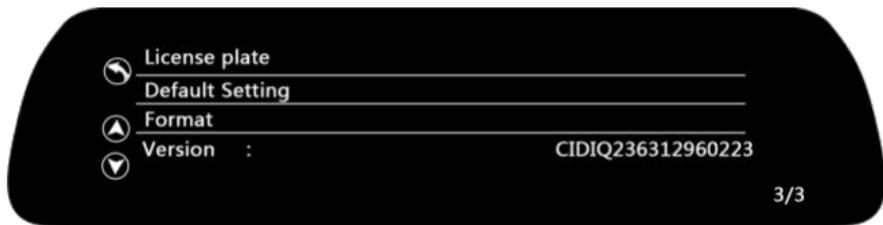
Date/Time	
Frequency	50Hz
Screen Saver	Off
Switching machine sound	On
Language	English 2/3

[Attention] Please set the correct date and time before use the DVR, in order to effectively record the correct date and time if the accident occurs.

g. Frequency of light source: Two options of 50Hz and 60Hz are available.

h. Screen saver: If no operation on the DVR, the countdown to turning off backlight could be set as off, 30 seconds, 1 minute or 3 minutes. After the screen saver starts, click the screen and the screen backlight will be on automatically. If the countdown is off and no operation on the DVR, the screen backlight will be always on.

i. Music for turning on/off the DVR: It can be set as on/off. If it is off, no music is played when users turn on/off the DVR.

j. Language setting: In the language setting screen, English, Traditional Chinese, Simplified Chinese, Japanese, Spanish and Thai are available for users to choose. After choosing a language, click the return icon and the language setting will be valid immediately; The DVR will automatically switch to the screen display in corresponding language.

k. License plate watermark: In the screen of setting the license plate watermark, users could choose the license plate number by clicking up/down buttons. If the watermark is on, then the license plate watermark is displayed during video playback and video recording. If it is set as off, then no license plate watermark is displayed.
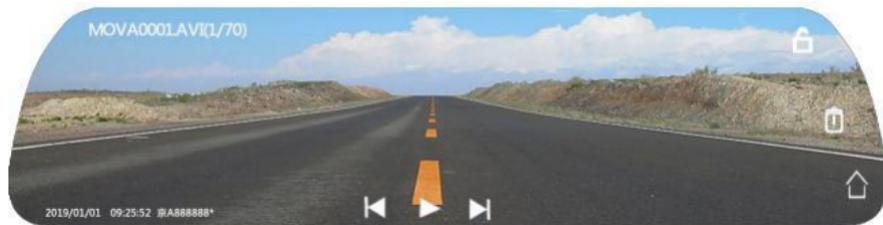
l.   Default setting: Two options of Confirm and Cancel are available. Click "Confirm", and the DVR will be reset to factory defaults.

m.   Format: Two options of Confirm and Cancel are available. Click "Confirm", and the memory card will be formatted.

Attention: If the TF card is first used for the DVR, please format the TF card. After the card is formatted, all contents in the card are deleted and unrecoverable. Please carefully choose to format it.

n. Version: The version number of current firmware is displayed.

② **Click "playback"** **to enter the playback screen and view videos in the TF card.**

a. The lock icon is at the top right corner. ⬛ indicates the current video is locked. Click it again to unlock the current video and the lock icon changes to ⬛.

b. Click the icon ⬛ to delete the current video or image, except the locked files.

c. ⬛: page-left; ⬛: page-right. Page-left and page-right buttons are for switching videos or captured pictures to view. Click the icon ▶ to play the current video. Click the icon ⏸ to pause the current video.

d. ◀: fast backward. ▶: fast forward. Four options of speed for playing files are available: normal, 2X, 4X and 8X.

e. MOVA0001.AVI(1/70) indicates that the current video is the first video and there are 70 videos or pictures totally. PICA0064(64/70) indicates that the current picture is the 64th captured picture.

ELINZ

③ **Click "stream video"** **to enter the stream video in full screen. This function requires the rear camera.**

a. Click the screen to pop up the icon , which indicates enhanced night vision is on. Click the icon again and the icon changes to , which indicates enhanced night vision is off.

b. : drag the image up. : drag the image down. Users can also slide the screen up or down to adjust the displayed zone of the image in the screen, and slide the screen left or right to switch among the front-camera display, the rear-camera display and display of both front camera and rear camera.

④ Click "car DVR" **to enter front/rear camera display of video recording.**

   a. Lock icon indicates the current video recorded is locked and this file won't be overwritten. The video file could be locked manually and also could be locked through G-sensor.

   b. Recording icon indicates the DVR is not recording; the icon indicates the DVR is recording.

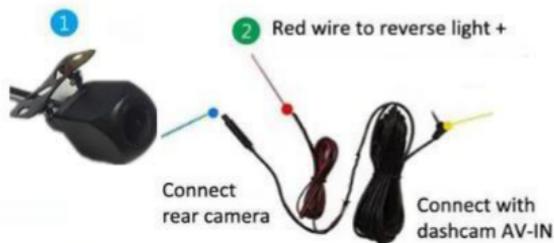   In the recording screen, the time stamp is displayed, like .

   c. : shortcut button to return to the main menu.

   d. : shortcut button to turn on/off audio recording when the DVR is recording video. The icon indicates audio recording off.

   e. Shortcut button to capture pictures. This function is only applicable during video recording. Click the icon and there will be click sounds, indicating that it is capturing two pictures.

   f. The button to switch front/rear camera display, which can be done by sliding the screen right or left. Slide the screen up or down to adjust the displayed zone of the current image in the screen.

Reversing camera

    After the vehicle is put into reverse, the DVR's screen is switched to the rear camera screen and displays auxiliary lines for reverse. After vehicle reversing is completed, the DVR's screen automatically returns to the normal screen.

Front and Rear DVR Installation

[Attention] If the reversing camera is needed, it is necessary to connect the red wire for the rear camera to the positive pole of the reversing light. Please contact professional vehicle maintenance staff to complete the installation.

Product specifications

Brand	Elinz
Model	Rearview Mirror Dual Channel Recorder
Screen Size	10" HD IPS Touch Screen
Chipset	General Plus GP6248
Image Sensor	Starlight Night Vision F37 f2.0 aperture
Video Resolution	1920*1080P + 1920*1080P
Frame Rate	30FPS
Viewing Angle	170 degrees + 150 degrees
Video Format	PAL/NTSC
Languages	Multi-language
File Format	AVI
Channel	2CH
Backup Assist	Automatic
Auto Switch On	Support

Loop Recording	Support
Motion Detection	Support
Parking Monitor	Support
G-Sensor	Support
Rear Camera Rating	IP68 Waterproof
Display Modes	Front/Dual/ Rear Camera Display
Night Vision	Support
Microphone	Support
Storage capacity	Support up to 64GB MicroSD Card
Date and Time	Support
Current Frequency	50HZ/60HZ
Operating voltage	12~24V 2A
Power interface	Mini USB DC5V -2.0A
Battery	Built-in 450mAh

*Note: We reserve the right to modify this product; the design and specifications are subject to change without prior notice.