hp

f730

Car Camcorder
User Manual

Contents

About this Guide

The content in this document is for information purpose and is subject to change without prior notice. We made every effort to ensure that this User Guide is accurate and complete.
However, no liability is assumed for any errors and omissions that may have occurred.
The manufacturer reserves the right to change the technical specifications and accessories without prior notice.

Regulatory notices

This document provides country- and region-specific non-wireless and wireless regulatory notices and compliance information for your product. Some of these notices may not apply to your product.

CE Regulatory Notice

The product herewith complies with the requirements of the Low Voltage Directive 2014/35/EU, the EMC Directive 2014/30/EU and the RoHS Directive 2011/65/EU.

Notes on Installation

1. Do NOT setup the camcorder while driving or while the vehicle is in motion. Please stop at a safe place before adjusting or installing.
2. Install the camcorder above the rear-view mirror to obtain the best open-field view. Do NOT install the camcorder in a location that will obstruct your required driving view.
3. Make sure that the lens is within the wiping range of the windscreen wiper to ensure a clear view even when it rains.
4. Do not touch the lens with your fingers. Finger grease may be left on the lens and will result in unclear videos or snapshots. Clean the lens on a regular basis.

Battery Notices

❖ Do not expose battery being placed to high temperature environment, temperatures higher than 60 °C.
❖ Do not expose battery being placed in to direct sunshine, fire or such high temperature environment.

- ❖ To reduce the risk of fire or burns, do not disassemble, crush, or puncture, short external contacts, or dispose of in fire or water.
- ❖ Follow the instruction to charge the battery.
- ❖ IMPORTANT: The battery in this product cannot be easily replaced by users themselves.
  - **Never replace the battery on your own.**
  - **Doing so may cause the damage or explosion.**
  - **Please have the dealer do it for you.**
- ❖ Removing or replacing the battery could affect your warranty coverage.
- ❖ Risk of explosion if battery is replaced by an incorrect type.
- ❖ If a battery is no longer holding a charge, contact support.
- ❖ When a battery has reached the end of its useful life, do not dispose of the battery in general household waste. Follow the local laws and regulations in your area for battery disposal.

Caution

- ❖ Never disassemble or attempt repair of this product. Doing so may damage the camcorder, cause electric shock and void your product warranty.
- ❖ Set up time and date accurately before you use this camcorder.
- ❖ Exposing the camcorder to open flames can cause explosion.
- ❖ Due to local laws and vehicles safety considerations, do not manually operate the camcorder while driving.
- ❖ The values displayed in this system, such as speed, position, and the distance warning to the speed camera set points, may be inaccurate due to the influence of surrounding environment. They are for your reference only.
- ❖ HP Inc. Company is NOT responsible for the loss of any data/content during operation.

Before you start using the Car Camcorder, it is assumed that you agree to the above statements.

1 Introduction

Thank you for purchasing this advanced camcorder. This camcorder is specifically designed for real time video and audio recording when driving.

1.1 Features

- Full HD 1920*1080
- Night Vision
- F/1.4 big aperture
- Driver report
- Collision Detection
- Emergency Recording File
- Parking Mode (supports timelapse)

1.2 Package Contents

The package contains the following items. If there are any missing or damaged items, contact your dealer immediately.

Car Camcorder		Rubber band	Car adapter
User manual	CD	External GPS (option)	Rear Camera (option)

1.3 Product Overview
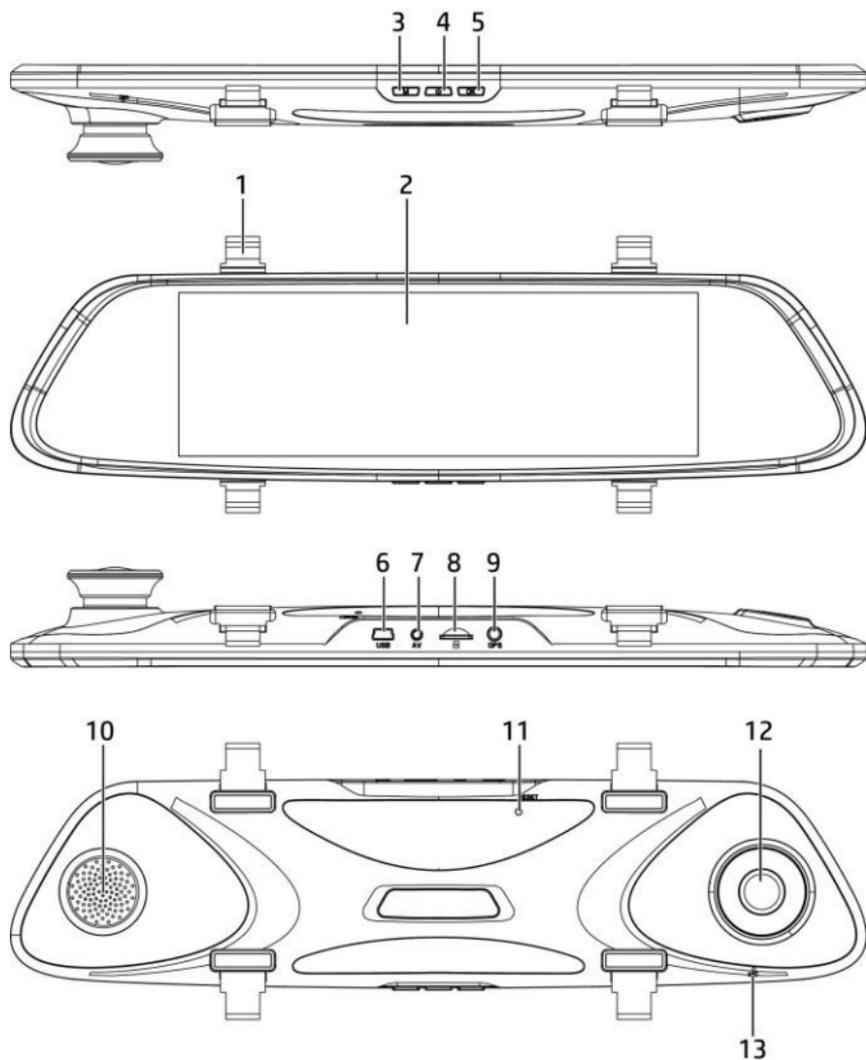
No.	Item
1	Rearview mirror clip
2	LCD Screen
3	Up/Previous option/Switch front or rear camera
4	Short press: LCD on/off / Confirm Long press: Menu / Return
5	Down/Next option
6	USB port: Car power adapter connection
7	A/V port: Rear Camera connection (option)
8	MicroSD memory card slot
9	GPS port: External GPS connection (option)
10	Speaker
11	Reset
12	Lens
13	Microphone

2. Getting Start

2.1 Insert the Memory Card

Insert the memory card with the gold contacts facing the back of the camcorder. Push the memory card until it clicks into place. (Use class 10 or greater speed micro SD cards for this camcorder; It is recommended to format the micro SD cards before the initial use.)
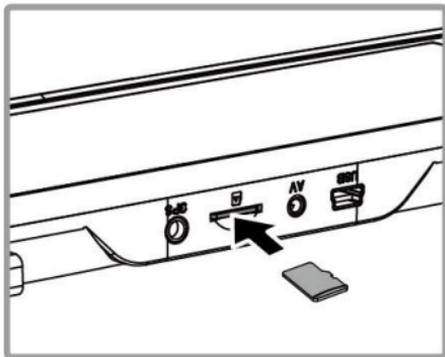
To remove the memory card
Push the edge of the memory card inward until you hear/feel it click, then allow it to push out until you can remove it from the slot.

Note:
1. Do not remove or insert the memory card when the camcorder is powered on. This may damage the memory card.
2. Use class 10 greater speed micro SD cards and capacity higher than 16GB for this camcorder (direct support up to 32GB).
3. It is recommended to format the micro SD cards before the initial use.
4. Please periodically format the memory card(suggest once per month).
5. Use memory card higher than 64GB, please use the camcorder to format the memory card before initial use.
6. Memory card has certain usage life. Long use may lower down write-in speed and failure saving. In this case, we recommend you to purchase new memory card.

2.2 Install in Vehicles

1. Clip on to your original car mirror.


2. Circle the clip with the band.

3. Adjust the camcorder lens.

Note:
   Image shown here is for installation illustration. The outlook may differ from what you purchased.

2.3 Connecting to Power

Use only the supplied car adapter to power up the camcorder and charge the built-in battery.
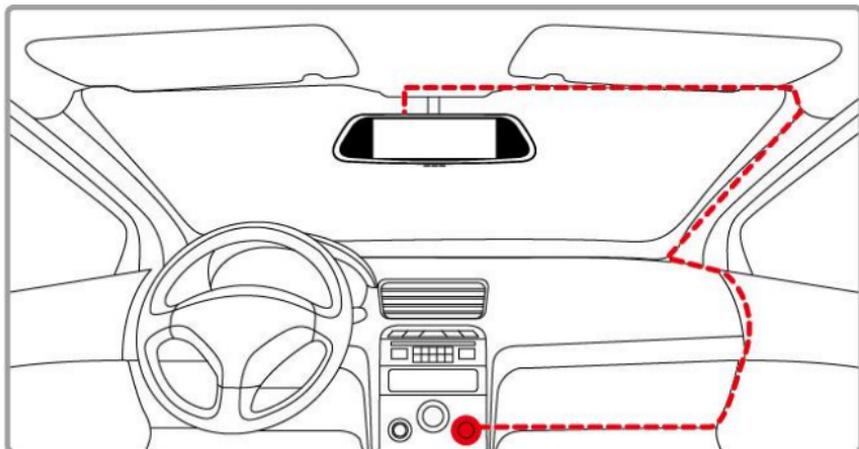
1. Connect one end of the car adapter to the USB connector of the camcorder. USB port input: DC 5V / 2A.
2. Plug the other end of the car adapter to the cigarette lighter socket of your vehicle. Once the vehicle engine is started, the camcorder automatically powers on. Car adapter input: DC 12 / 24V.

Note:

1. Use only the supplied car adapter. DO NOT use the other brand of car adapters, otherwise it may cause the product mal-function or battery explosion.

2. Please take note if the environment temperature reaches 45°C or above, the car adapter still can supply power to camcorder, but it may not charge the battery. This is characteristic of Lithium polymer battery and is not a malfunction.

Battery Status Indicator:

Icon	Description
	Low battery
	1/4 battery capacity remaining
	1/2 battery capacity remaining
	3/4 battery capacity remaining
	Battery full charged
	External power connected

2.4 Powering the Camcorder On / Off and Reset

2.4.1 Auto Power On/Off

Once the vehicle engine is started, the camcorder automatically powers on. And the recording will automatically start.

Once the vehicle engine shuts down, the camcorder automatically saves the recording and turns off the power within 10 seconds.

Note:
Automatic power up and shut down assumes the power socket is linked to the car ignition.

2.4.2 Manual Power On/Off

To manually turn on the power, long press the 〔 ⏻ 〕 **POWER** button.
To turn off, long press the 〔 ⏻ 〕 **POWER** button to enter Menu from current recording mode, press ☑ a few times and choose [OFF] card, then press 〔 ⏻ 〕 again to shut down the power.
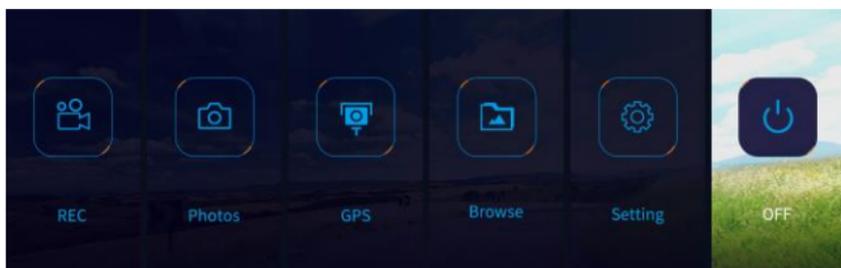
2.4.3 Reset the camcorder
To reset, use a pin to insert **RESET** hole and hold for at least 3 seconds.

2.5 Initial Settings

2.5.1 Set the Date and Time

We recommend to set up date and time before initial use.

To set the correct date and time, do the following:

1. In the recording screen, long press ⏻ button to enter the OSD menu.
2. Press ⌄ a few times to select [Setting] card, and press ⏻ to enter.
3. Long press ⌄ two times to System option, press ⌄ a few times to Date/Time setting, and press ⏻ to enter.
4. Press ⌃ and ⌄ to adjust the value. When finish, press ⏻ to confirm and enter to next column.
5. Repeat 4 until all the value is set.
6. Long press ⏻ to return to previous sub-menu.
7. Long press ⏻ once again to return to Menu. Press ⌃ a few times to select [REC] card, and press ⏻ to enter recording mode.

Note:

1. In the recording mode, if you long press ⏻ to enter the Menu, the car camcorder will stop recording. Please make sure you are ready to stop recording.

2. To ensure accurate date/time stamped on the file, you are recommended to re-set up date/time if the car camcorder is consumed battery or not in use for over 7 days.

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3. Using the Camcorder

3.1 Recording Videos

3.1.1 Auto Recording

When the vehicle engine starts up, the camcorder automatically turns on and starts recording.

Recording will automatically stop when the engine is switched off.

Note:

1. On some cars, the recording will continue when the engine is switched off. If this happens, please manually turn off the cigarette lighter or remove the car adapter from the cigarette lighter.

2. It can be configured to save a video file for every 1 minute, 3 minutes or 5 minutes of recording.
3. The camcorder saves the recording in the memory card. If the memory card capacity is full, the oldest file in the memory card will be overwritten.
4. The files taken by front main camcorder and rear camera will be saved separately in the [FRONT] and [BACK] folder.

3.1.2 Emergency Recording

This Car Camcorder is equipped with a G-Force sensor. If the G-sensor function is enabled, when collision is detected, the camcorder will automatically trigger the Emergency Recording feature. The emergency icon 🔒 will be displayed on top of screen. The emergency recording files will not be overwritten by the normal loop recording files.

To manually initiate the emergency recording feature, press the ⌄ button during the normal recording function.

The file length of emergency is 30 seconds. Once it reaches setting time, the camcorder will resume to normal loop recording.

Note:

1. The sensitivity of G-sensor can be adjusted in the Menu. Following by [Setting]-[[Video]-[G-Sensor] to adjust Off, Low sensitivity, Medium sensitivity, High sensitivity. If choose Off, the camcorder will not activate auto emergency recording.

2. The emergency file is created as a new file and saved in Lock folder, which will be protected to avoid being overwritten by normal loop recording.

3. The Lock folder and Photo folder will occupy 1/3 of available memory card capacity. When the space is full, the reminder message will pop up to ask the user to format the memory card or delete files.

3.2 Photos

In the recording screen, long press ⏻ button to enter the OSD menu.

Press ⌄ to select [Photos] card, and press ⏻ to enter. In current preview mode, press ⏻ again to take photo, you will hear "ka-za" sound and the photo will be saved in the Photo folder. By this way to take photo, it's only available to take singe camera's image, it cannot be taken dual camera's images. Short press ⌃ button to switch front and rear camera image.

In the recording mode, long press ⌄ to take snapshot of current image. The front and rear camera images can be taken at the same time.
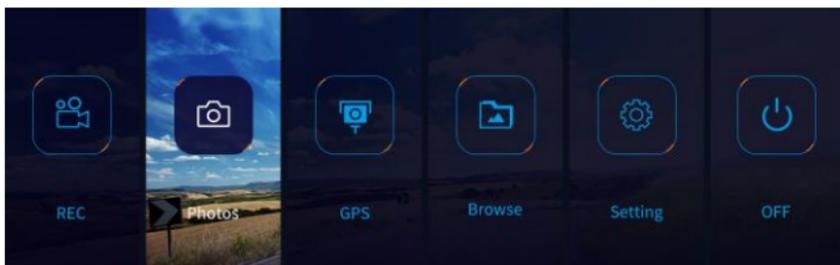
Note:

1. The photo files will be saved in Photo folder which will not be overwritten by normal loop recording.

2. The Lock folder and Photo folder will occupy 1/3 of available memory card capacity. When the space is full, the reminder message will pop up to ask the user to format the memory card or delete files.

3. The picture resolution is limited by the speed of the target object and changes in ambient lighting. The photograph function is better used for taking still pictures in accident scenes or when the car is stopped to wait for a traffic light.

4. The files taken by front main camcorder and rear camera will be saved separately in the [FRONT] and [BACK] folder.

3.3 GPS (Option)

Plug the optional GPS accessory into GPS port on the camcorder. Once activate the GPS function, you can preview current car speed, speed cam ahead, traffic lights and direction such information.

To activate GPS function, follow the below steps,

1. In the recording screen, long press ⬛ button to enter the OSD menu.
2. Press ⬛ a few times to select [Setting] card, and press ⬛ to enter.
3. Long press ⬛ two times to Setting option, press ⬛ a few times to GPS Setting, and press ⬛ once to turn it on.
4. Long press ⬛ to return to Menu.
5. Press ⬛ a few times to select [GPS] card, and press ⬛ to enter recording and GPS info dual display image.
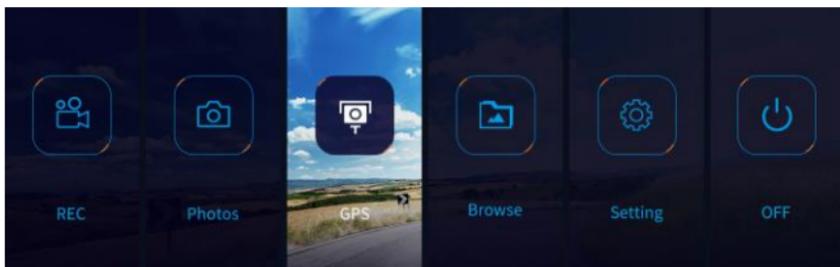
Note:
1. GPS function is limited in certain areas. Please contact dealer for details.
2. Once activate the GPS function, when GPS is positioned, the icon will change from white to blue 📡.
3. If GPS function is not activated from Menu, even you plug in the GPS accessory, the function is not workable.

3.4 Rear Camera (Option)

Please power off the camcorder firstly, then plug the optional rear camera into AV port on the camcorder.

Note:
1. Rear camera doesn't support hot plug-n-play. Please power off the main camcorder before plug into rear camera.
2. Press ⌃ button to switch main camcorder and rear camera preview image.

3.5 File Browse

In the recording screen, long press 🔘 button to enter the OSD menu.

Press ⌄ a few times to select [Browse] card, and press 🔘 to enter.
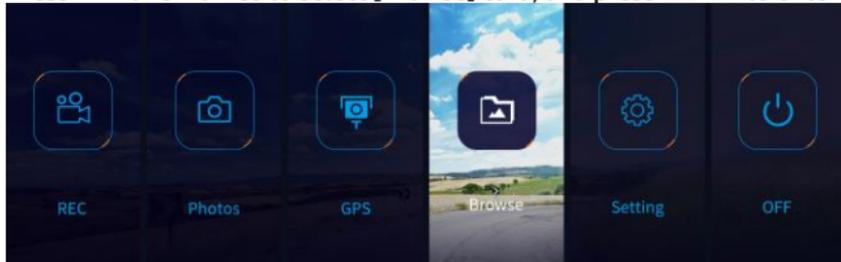
Long press ⌄ button to select Video, Photo or Lock folder. Short press ⌃ on ⌄ button to select FRONT or BACK folder, then press ⏻ button to enter the folder. Then, short press ⌃ on ⌄ button to select the file of your preference and press ⏻ button to check the file. Press once ⏻ button to playback the file, press ⏻ button again to pause. Long press ⏻ button to return to previous page.

When check the file, long press ⌄ button to jump to the icons on right corner. Short press ⌄ to select delete, lock or unlock icon. On any icon, press ⏻ button once to delete or lock or unlock current file. Long press ⌄ button to exit the file edit.
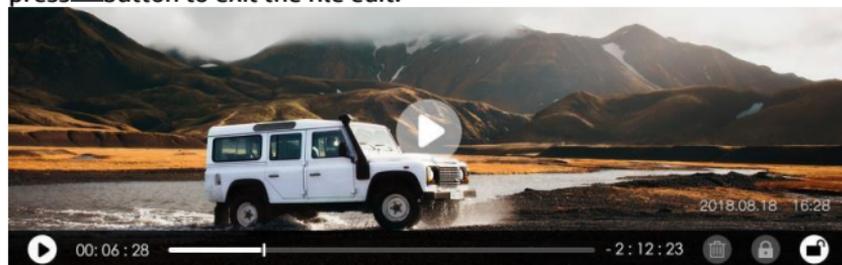
Note:

1. Deleted files CANNOT be recovered. Ensure the files you wish to preserve are backup before deletion.

2. Use dual camera recording, no matter you delete the FRONT file or BACK file, the other one will still exist and able to playback.

3.6 Setting

In the recording screen, long press [⏻] button to enter the OSD menu.

Press [⌄] a few times to select [Setting] card, and press [⏻] to enter. You can select "Video", "Security" or "System" option to set up the camcorder. Please refer to 4. Adjust the Setting for details.
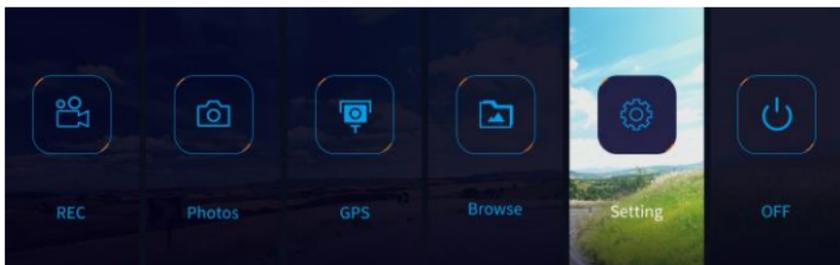
3.7 Parking Mode

To monitor the vehicle when it is parked, you can activate **Parking Mode**. Follow the steps below to change the settings for Parking Mode:

1. In the recording screen, long press [⏻] button to enter the OSD menu.
2. Press [⌄] a few times to select [Setting] card, and press [⏻] to enter.
3. Long press [⌄] to Security option, press [⌄] to Parking Setting, and press [⏻] once to turn it on.
4. Long press [⏻] to return to Menu.
5. Press [⌃] a few times to select [REC] card, and press [⏻] to enter recording preview image.
6. When car's engine is turned off, the camcorder will power off and enter Parking Mode automatically.
7. When collision is detected, the camcorder will automatically trigger the emergency recording. The emergency recording lasts 30 seconds per file and will not be overwritten by the normal loop

recording files. Once it finishes recording, the camcorder will power off again and enter Parking Mode.

Note:

1. If battery in a fully charged condition, it can record a few hours in *Parking Mode*. As the camcorder is used, the battery storage capacity will decrease gradually. The recording time will be lesser. This is a normal phenomenon for the battery.

2. When both front and rear camera are used for recording, both cameras will record the events when the emergency recording is triggered.

3. ACC cable is optional. Please consult the dealer for purchase and seek for specific professional store for installation.

3.1 To use 3-wire ACC cable, the Parking Mode will be timelapse recording mode. Timelapse mode is one second one frame continuously recording.

3.2 To use 2-wire ACC cable, the Parking mode will be continuously recording mode.

3.3 Use ACC cable, when the car is not started for a period, the battery will not be able to refill the energy. In this case, the camcorder will cut off the power from car's battery when the voltage is lower to 11.3V. This is to protect the car from not being able to start up.

3.8 Driving Report

When the car engine turns off and before car camcorder completely power off, the driving report will show driving time, sudden break times and sudden speed times of this journey.
To activate the Driving Report, do the following,

1. In the recording screen, long press 　⏻　 button to enter the OSD menu.

2. Press 　∨　 a few times to select [Setting] card, and press 　⏻　 to enter.

3. Long press 　∨　 to System option, press 　∨　 to Driving Report setting, and press 　⏻　 once to turn it on.

4. Long press 　⏻　 to return to Menu.

5. Press 　∧　 a few times to select [REC] card, and press 　⏻　 to enter recording preview image.

6. When car's engine is turned off, before car camcorder completely power off, the driving report will show on the screen.

4. Adjust the Settings

Refer to the below table for details on menu items and available menu options.

Menu	Sub-Menu	Description	Available option
Video	Resolution	Setting of video resolution	1080p / 720p / 480p
	Cycle Video	Set the recording duration for each recorded video file	1 min/ 3 min/ 5 min
	Photo Size	Set photo size	VGA / 1M / 2M / 3M / 5M / 8M
	HDR	Present a crisp and clear picture quality with harmonious contrast in a high contrast, high discrepancy environment.	On/off
	Exposure	Set the exposure compensation	3 / 2 / 1 / 0 / -1 / -2 / -3
	Frequency	Reduce flicker on LCD	60Hz/50Hz
	G-Sensor	The camcorder will automatically trigger emergency recording when tremor of a collision is detected.	Close / Low / Middle / High
	Mic	Enable/disable the voice recording	On/off
	Watermark	Enable/disable date/time stamp on the video and photo	On/off

Menu	Sub-Menu	Description	Available option
	Time-lapse video	To activate one second one frame recording.	On/off
Security	Parking	If parking mode is activated, the camcorder will enter parking mode 10 seconds after disconnect the external power.	On/ off
	Motion	If activate, the camcorder will automatically trigger and record once it detects the motion in front of the camera.	On/ off
System	Protection	Set the duration for the display to automatically turn off right after video recording starts.	Close/ 1 Min / 3 Min / 5 Min
	Key Sound	Enable/Disable button sound.	On/off
	Volume	Adjust camcorders playback and audio recording sound volume	Low / Med / High
	Brightness	Adjust LCD brightness	Low / Med / High
	GPS	To activate GPS function	On/off
	Auto update time	If the satellite time is enabled, the car camcorder clock will synchronize according to the satellite time zone you set. When you turn on this feature, it will display the satellite time preferentially, and cannot be manually changed.	On/off

Menu	Sub-Menu	Description	Available option
	Speed calibration	Adjust the camcorder's speed to match your car's.	On/off
	Driving Report	To display driving period, sudden break times and sudden speed-up times of this journey.	On/off
	Language	Set the on-screen display menu language	Simplified Chinese / Traditional Chinese / English
	Date/Time	Set the date and time	
	Format	Format the memory card	Yes/ No
	Restore Factory Setting	Resets the camcorder to the initial factory default settings	Yes/ No
	About	Showing firmware version	

5. Specifications

Item	Description
Image sensor	1/2.9" CMOS sensor
Effective pixels	1920 (H) x 1080 (V)
Storage media	Supports Micro SDHC, up to 32GB class 10 speed or greater
LCD display	7.84" LCD color TFT
Lens	Wide Angle Fixed Focus lens Aperture: Up to F1.8
Focus range	1.5m~Infinity
Video	Resolution: Full HD 1920 x 1080 @ 30fps HD 1280 x 720 @30fps
	Format: MOV
Still image (Photograph)	Format: DCF (JPG)
Shutter	Auto electronic shutter
G-Sensor	3-Axis G-Force sensor
GPS	External GPS, Optional
ISO	Auto
White Balance	Auto
Microphone	Built-in
Speaker	Built-in
Interface	Mini USB, A/V port(for optional rear camera), GPS port(for optional GPS)
Battery	Built-in Li-polymer rechargeable (This battery is NOT replaceable)
Operating Temperature	0° ~ 45° C
Operating Humidity	20 ~ 70% RH
Storage Temperature	-20° ~ 70° C
Dimensions	315 x 77 x 22.4 mm
Weight	Approx. 308g