

High-definition Entertainment Car Video Recorder

English Manual



(The picture is only for reference; please comply with the material products.)

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* Product Overview:

This is driving recorder with more specialization and entertainment features, which adopts the most advanced image digital processing technology integration scheme- H.264, the high definition image digital compression technique, and comprehensive software processing way. In addition, it has full functions of a HD mini DVR (mini-type high definition digital video recorder), which supports 1080P recording with Micro SD of large capacity as the saving equipment, so scenery recording along the road won't be missed during your driving. Moreover, it is also a camera of 1.2 mega pixels when taking digital pictures and you can replay the pictures or videos directly by connecting its HDMI high definition digital TV interface with the TV set when you are at home after travel.

The three-in-one free switch of dimensional digital recording functions make your travel or family life more convenient. Smart and small size is easier to carry.

* Warning:

1. Working temperature: +45°C or -5°C.
2. Do not seriously knock it or put heavy objects on it.
3. Do not let foreign matter enter the device.
4. Do not let the device touch with harsh chemicals such as Benzene, diluents.
5. Do not contact with water or heating devices.
6. Keep it away from places with heavy dust, moisture or sunshine.
7. Do not attempt to disassemble, repair or change it.

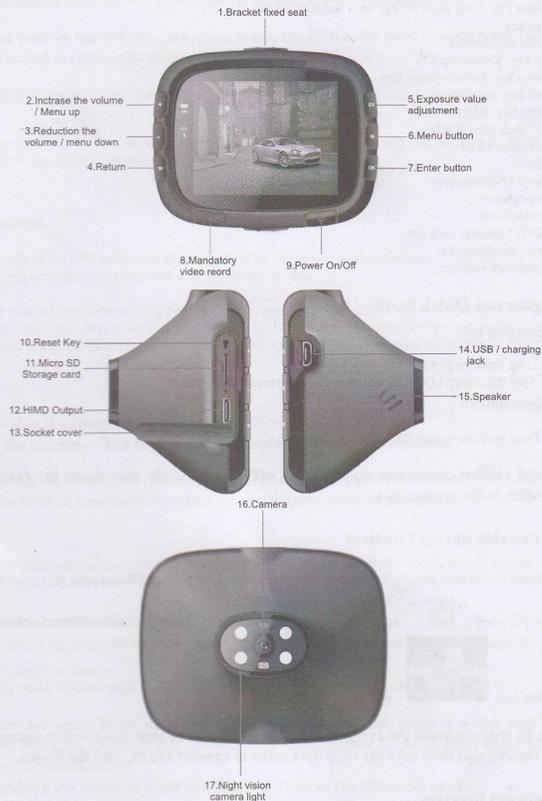
* Battery Precautions:

1. Battery is dangerous explosive element, so please do not change it privately. Please go to designated special maintenance and replaces the battery with the same type or equivalent type.
2. To avoid the decline of the battery performance, please periodically recharge the battery.
3. If you do not use the device for a long time, it may result too low power to boot. Please charge for an hour before use.

*Thank you for purchasing Entertainment Driving Recorder, the packing box contains the following attachments:

- HD car video camera device
- One USB data cable
- One Manual
- One Car Adapter
- One Vehicle suction cup

Button drawing:



Keys and parts

1. Power key. Long-press the key for 3 seconds to boot.
2. Exit key
3. Reset key, Reboot
4. Up key, Volume up Key
5. Down key, Volume down Key
6. Left key, select menu
7. Right key, select menu
8. 1.5" inch color display
9. HD camera lens
10. Clip
11. Micro USB connector
12. Microphone
13. Lanyard hole
14. SD(TF) memory card slot
15. Enter key, Pause key
16. Mandatory video key

Chapter one Quick Start

*Starting up

Long press the power  key to boot
After the startup LOGO, it will enter the loop recording interface.

*Shut down

Long press the power  key to shut down

Note: if you set automatic shutdown, it will automatically shut down in standby state according to the setting time.

* Removable storage function:

This device can be used as mobile storage in Windows 2000/XP. Take the USB data cable to connect this device

and the PC, when  appears at the right corner of the PC screen, the removable storage function is on.

And then icon  will appear on the screen.

Note: In order to avoid the exception, the device should be shut down before connecting with the PC, and then take the USB data cable to connect the PC and the device.

* Webcam function:

It will automatically boot after connecting to the PC. Disk drive and webcam selection will appear in the screen after boot logo appears, and then option can be made by up and down keys. Press OK to confirm it. The drive is used as removable hard drive, and net webcam is used as webcam. The webcam resolution is 1280*720.

Note: If you want to convert the connection mode, the USB cable must be pulled out and then reconnected to choose the mode.

*Break USB connection safely

Right click the icon  at the bottom right corner of windows screen after use, and then break USB connection safely according to computer tips.

*Charge

Battery Charge:

Connect one side of the USB cable with the charger's USB interface, and the other side of the USB cable with the machine; it'll enter charging status with a rolling battery symbol.

The machine uses polymer batteries. It'll boot and start charging automatically at any time when you connect it to a computer with USB cable. It takes about 3 hours to be full and stop automatically; the battery symbol will not rolling. If it is the first time you use it, please take 12 hours each time when you charge for the first three times.

*Note:

When charging the device, its getting a slight fever is normal.

If you use the machine when charging, the charging time will be extended.

If it gets automatic shutdown, please charge; if a low battery comes, the icon  will flash; if you force to boot under low battery, the display could be abnormal.

*Reset

If the device is crash and you cannot make any operations, you can reset this device. You just need a pin to insert into the reset hole and press it or long press the power key.

*How to insert / remove the Micro SD card

1. Insert the Micro SD card: SD card face down, the reverse side facing up, insert the Micro SD card correctly and push it in slightly.
2. Remove the Micro SD card: press the Micro SD card, it will automatically pop up.

Note: There are many kinds of Micro SD cards on the market, some of which may not support the machine, so please buy genuine high speed Micro SD card. High speed cards have C4 or C6 identification.

Please shutdown the machine when you insert or remove the Micro SD card.

Chapter two Introduction



1. Loop Video:

After boot, it will automatically enter loop video state. press the OK key, there will appear a red pot on the top left corner of screen, and the indicator light is flashing which means it is videoing (If there is no pot, it means the device only enter the video state but not really videoing). In the default setting, after one minute, the screen will automatically off.

Stop Loop Video: Click the OK key in videoing state, the videoing will be paused, and the indicator is lit.

Resolution Setting: In the video preview state, click the menu key to enter the resolution setting, there are selections of FULL, HD1080P(1920X1080) 10fps, HD720P(1280X720) 30fps, WVGA(848X480) 60fps, VGA(640X480) 30fps and QVGA 320X240 30fps, as well as the default of 720P. Using the up and down key to set the resolution, and then press the OK key to save the setting. Press the OK key again to exit the setting menu interface and enter the video preview state.

Loop Videoing Time Setting: In the video preview state, click the menu key, then use up and down key to enter the loop videoing options. Press the OK key to enter the selection of loop time: on/off, 3minutes, 5minutes, 10minutes and 30minutes. Use the OK key to save your selection, and press the menu key to exit menu setting interface and enter the video preview state. The default is 3minutes. The device uses seamless connectivity.

Automatic off-screen: In the video preview state, click the menu key, then use up and down key to enter the automatic off-screen options. Then choose on or off, and press the OK key to save the settings. The default is automatically off-screen in one minute.

Recording: In the video preview state, click the menu key, then use up and down key to enter the anti-tremor menu, choose on or off, and press the OK key to save the settings. If you do not want to video with sound, you can choose off, and the speaker on the right middle of screen will appear a cross logo. Note: if you close the sound, loop video, normal mode and motion detection video mode will be closed too and vice versa.

Force Recording: There is Force Recording only under the mode of Loop Recording. Click the Force Recording for one time under this mode, there will be a red triangle on the screen, and the machine will automatically save the previous and present files into the folder with the suffix of "best". The force recording files won't be covered by Loop Recording preservation. While when Force Recording files are playing under Replay mode, there will be a symbol of a key at the top left corner of screen, which refers to the deleted non-cyclic files.

Digital Zoom: In videoing state, we can use up and down key as digital zoom. This device is of 16x digital zoom.

Adjust the EV value: in the preview the recording mode, press the EV button, and then down the EV value, press OK to save



2 General Video Mode:

After boot, press the down key once to enter the general video mode. Press the OK key to enter the video preview state, and then press the OK key again; there will appear a red pot in the screen which means it is videoing. The video files are saved in the folder with suffix of "best", which will not be deleted by system loop.

Resolution Setting: In the video preview state, click the menu key to enter the resolution setting: FULL, HD1080P (1920X1080) 10fps, HD720P (1280X720) 30fps, WVGA (848X480) 60fps, VGA (640X480) 30fps and QVGA 320X240 30fps, as well as the default of 720P. Using the up and down key to set the resolution, and then press the OK key to save the setting. Press the OK key again to exit the setting menu interface and enter the video preview state.

Anti-tremor Function: In the video preview state, click the menu key, and then use up and down key to enter the anti-tremor menu. Then choose on or off, and press the OK key to save the settings. The default is off.

Date Recording Function: It determines whether displaying the recording date/time or not. The default is on. In the video preview state, click the menu key, and then use up and down key to enter the date recording menu. Then choose on or off, and press the OK key to save the settings.

Recording: In the video preview state, click the menu key, and then use up and down key to enter the anti-tremor menu. Then choose on or off, and press the OK key to save the settings. If you do not want to video with sound, you can choose off, and then the speaker on the right middle of screen will appear a cross logo. Note: if you close the sound, loop video, normal mode and motion detection video mode will be closed too and vice versa.

Adjust the EV value: in the preview the recording mode, press the EV button, and then down the EV value, press OK to save



3. Motion Detection Video:

After boot, click the down key for three times to enter the Motion Detection mode; press the OK key to enter the Video preview state. When a change occurs in front of the camera, there will appear a red pot in the screen that means it is videoing. When there is no moving in the video screen for one minute, the videoing will stop automatically. If the video screen moves again, the videoing will automatically start. The video files are saved in the folder with suffix of "best", which will not be deleted by system loop.

4. Photograph:



After boot, press the down key twice to enter the photograph mode. Press the OK key to enter photograph preview state, press the OK key again, screen flashes black, it means photograph complete. Every time you press the OK key, you will photograph a picture. The picture files are saved in the folder with suffix of “best”, which will not be deleted by system loop.

Shooting mode: In the photo preview state, click the menu key, use the down key to select the Shooting mode, and then press the OK key to enter Shooting mode selection, which includes single shot, 2 seconds self-timer, 5 seconds self-timer, 10 seconds self-timer; Continuous shot. The default is single shot.

Resolution: In the photo preview state, click the menu key, use the down key to select the Resolution, and then press the OK key to enter the Resolution mode selection, which includes 12M, 8M, 5M and 3M. The default is 12M.

Image Quality: In the photo preview state, click the menu key, use the down key to select the Image Quality, and then press the OK key to enter the Image Quality mode selection, which includes best, better and general. The default is best.

Sharpness: In the photo preview state, click the menu key, use the down key to select the Sharpness, and then press the OK key to enter the Sharpness mode selection, which includes strong, general, and soft. The default is general.

White Balance: In the photo preview state, click the menu key, use the down key to select the White Balance, and then press the OK key to enter the White Balance mode selection, which includes auto, daylight and cloudy. The default is auto.

Color Effect: In the photo preview state, click the menu key, use the down key to select the Color Effect, and then press the OK key to enter the Color Effect mode selection, which includes color, black and white, and retro. The default is color.

ISO settings: In the photo preview state, click the menu key, use the down key to select the ISO settings, and then press the OK key to enter the ISO settings mode selection, which includes auto, 100, 200, and 400. The default is auto.

Face Recognition: In the photo preview state, click the menu key, use the down key to select the Face Recognition, and then press the OK key to enter the Face Recognition mode selection, which includes on, off, Face Recognition and Smile Recognition. The default is off.

Quick View: In the photo preview state, click the menu key, use the down key to select the Quick View, and then press the OK key to enter the Quick View mode selection, which includes on, off, 2 seconds and 5 seconds. The default is auto.

Date Record: In the photo preview state, click the menu key, use the down key to select the Data Record, and then press the OK key to enter the Data Record mode selection, which includes on, off, date , date and time. The

default is data and time.

Anti-tremor: In the photo preview state, click the menu key, use the down key to select the Anti-tremor, and then press the OK key to enter the Anti-tremor mode selection, which includes on and off. The default is off.

Shutter Sound: In the photo preview state, click the menu key, use the down key to select the Shutter Sound, and then press the OK key to enter the Shutter Sound mode selection, which includes on and off. The default is on.

Flash: In the photo preview state, click the menu key, use the down key to select the Flash, and then press the OK key to enter the Flash mode selection, which includes on and off. The default is off.

Adjust the EV value: In the preview the recording mode, press the EV button, and then down the EV value, press OK to save



5. Recording:

After boot, press the down key four times to the Recording mode, and then press the OK key to enter Recording state. XX: XX: XX show us how long time can be recorded. Press the OK key again, and then it will start Recording. In the screen, 00:00:00 will appear in the screen which means recording time. Press the OK key again to save recording. Press the Exit key to exit recording menu. The recording files are saved in the folder with suffix of “best”, which will not be deleted by system loop.



6. Playback:

After boot, press the down key five times to the playback mode. After entering the playback interface, press the OK key to play the last generated file. All the videos, photographs and sound recordings in this device are played in the playback mode.

Jiugong Previews: In the playback interface state, press the Mandatory video key, then we can view videos, photographs and recording files saved in this device in the manner of Jiugong preview.

Delete Function: In the playback interface state, firstly press the menu key, secondly press the down key to enter the delete function, and then press the OK key, there will be the selection of “delete the current files or all files”. Press the OK key again, there will appear the selection of cancel or confirm. Press the OK key again to confirm.

Protect Function: In the playback interface state, firstly press the menu key, secondly press the down key twice

to enter the protect function. And then press the OK key, there will appear 'protect the current file, unprotect the current file, protect all files and unprotect all files'. Press the OK key again to confirm your choice.

Slide Function: In the playback interface state, firstly press the menu key, secondly press the down key for three times to enter the slide function. And then press the OK key, there will appear the options of 2 seconds, 5 seconds and 8 seconds. Press the OK key again to confirm your choice.

Loop Play: In the playback interface state, firstly press the menu key, secondly press the down key four times to enter the loop play function. And then press the OK key, there will appear the selection of on and off. Press the OK key again to confirm your choice.



7. Flashlight:

After boot, press the down key six times to enter the flashlight mode. After entering the flashlight interface, there will appear the selection of off, bright and one second flash once. Press the OK key again to confirm your choice.



8. Settings:

After boot, press the down key for seven times to the setting mode. Press the OK key, there will appear options of Date/Time, automatic shutdown, key sound, language setting, light frequency, default setting, version, screen selection, HDMI and format.

Date/Time: In the setting menu, press the down key to find the Date/Time setting, and then press the OK key to enter Date/Time setting. Press the OK key to save the settings.

Automatic shutdown: In the setting menu, press the down key to find the automatic shutdown setting, press the OK key, there will appear off, 2 minutes, 5 minutes, 10 minutes. Press the OK key again to save the settings. The default is 5 minutes.

Tone setting: In the setting menu, press the down key to find the Tone setting. And then press the OK key, there will appear the selection of on and off. Press the OK key again to save the settings. The default is on.

Language setting: In the setting menu, press the down key to find the Language setting. Press the OK key again; there will be appear the selection of English, Deutsch, François, Espanola, Italian, Portuguese, Traditional Chinese, Simplified Chinese and Japanese. Press the OK key again to save the settings. The default is Traditional Chinese.

Light Frequency: In the setting menu, press the down key to the Light Frequency setting. Press the OK key, there will appear the selection of 50HZ/60HZ. Press the OK key again to save the settings. The default is 60HZ. Because the fluorescent of China is 50HZ, if it is used in China, there will appear the interference of

horizontal stripe. Therefore, we should choose 50Hz in China.

Default setting: In the setting menu, press the down key to the Default setting. Press the OK key, there will appear the selection of cancel and confirm. Press the OK key again to save the settings.

Screen Rotation Setting: In the setting menu, press the down key to the Screen Rotation setting. Press the OK key, there will appear the selection of 0 degrees and 180 degrees. Press the OK key again to save the settings. The default is 0 degree.

HDMI setting: In the setting menu, press the down key to the HDMI setting. Press the OK key, there will appear the selection of NTSC and PAL. Press the OK key again to save the settings. The default is NTSC.

HDMI Out-put: HDMI plug can offer 1080P resolution out-put. Insert HDMI cable into HDMI port of camcorder, and connect the other end into the HDMI port of TV set, of course, the TV set should be under HDMI mode.

Format setting: In the setting menu, press the down key to Format setting. Press the OK key to select cancel or confirm. Press the OK key again to save the settings.

Product Specifications

Sensor	5M CMOS sensor, (1/3.2)inch
Camera Lens	Wide angle120 degrees, the maximum aperture: F2.8
Lens of low illumination	3300mV/(Lux·sec) sensitivity
Zoom	16x digital zoom
LCD screen	2.7inch 4:3 Resolution: 960X240 TFT LCD
Video Output	HDTV interfaces: HDMI output up to 1920x1080P
Photograph	JPG 12million pixels 4000X3000
Camera Resolution	FULL HD1080P(1920X1080) 10fps HD720P(1280X720) 30fps WVGA(848X480) 60fps VGA(640X480) 30fps QVGA 320X240 30fps
Video Format	MOV
Video Compression Format	H.264 Seamless connectivity
Automatic Boot Video	Plug in the power, it will automatically start. Off delay 30 seconds automatically shut down and save.
Standby auto-off time	2 minutes, 5 minutes,10 minutes, OFF
Audio	Built-in microphone, speaker AAC
Video Manner	Loop Video, Mandatory Video, Motion Detection Video, General Video
Loop Video Time	3minutes, 5minutes,10 minutes, 30 minutes, OFF

Storage	Device Memory: 1M External media: micro SD (TF) maximum support: 32GB
White Balance	Auto, Sunny, Cloudy, Tungsten, Fluorescent
Flashlight	Electronic automatic video-light (LED)
USB Interface	USB 2.0
HDMI Interface	HDMI V1.3A
Language	10 languages (English, Deutsch, François, Espanola, Italian, Portuguese, Traditional Chinese, Simplified Chinese, Japanese, Russian)
Battery	High-capacity rechargeable polymer battery 3.7V 1100mA
Power Supply	DC 5V
Dimensions, Weight	Dimensions: 83.5×62.3×44mm Weight: about68g (With battery)
Operating Humidity, Temperature	10%-80%, -5°C-45°C