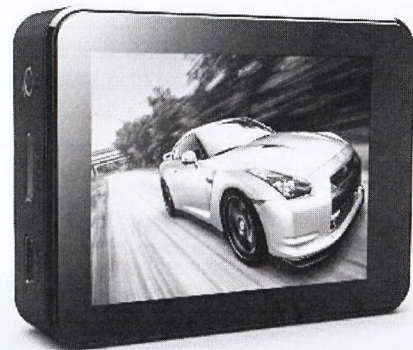# ORDRO

Car DVR leader

ORDRO Car DVR Manual

Before you use our product, please read this manual carefully and keep it for future reference

User's manual

Contents

Preface

Thank you for purchasing digital driving recorder.

The user's manual has a detailed description on how to correctly use the digital driving recorder and provides detailed product information , including operation , installation precautions and technical specifications . Please read the manual carefully before using . We hope the product can meet your requirements and provides the service for you for a long time.
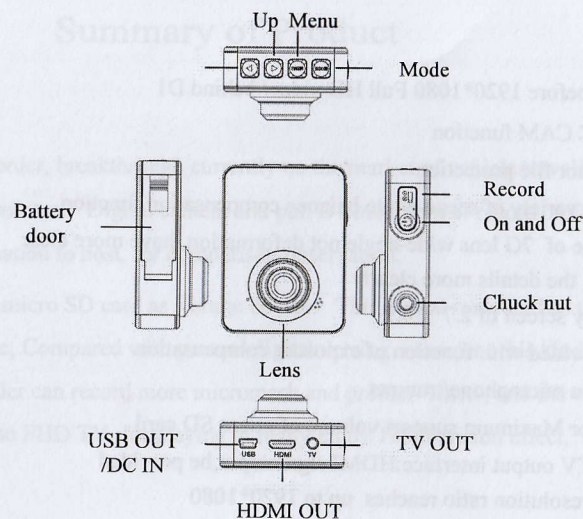
Guarantee for Products

The product is tested strictly that its property complies with the specification and there is safety guarantee for using of customer.

Summary of Product

The digital recorder, breakthrough currently on the market of vehicle traveling data recorder, the host itself Digital camera and pull D1 module will record before and behind of the road Situation to host, for comparison observation.

The use of micro SD card as storage device， This digital recorder has the advantages of small volume, Compared with general digital driving recorder , this kind of digital driving   recorder can record more micromesh and prefect video , and the video can directly output to FHD TV for playing to really enjoy 1080P vision effect.

Characteristics of Product

1、FHD：before 1920*1080 Full HD video/ behind D1

2、HD PC CAM function

3、G-Sensor file protection

4、With a variety of scene white balance compensation function

5、The use of 7G lens wide-angle not deformation, have more clear image, the details more clearly

6、Display screen of 2.7" 16:9

7、Be provided with function of exposure compensation

8、Built-in microphone/trumpet

9、32G for Maximum support volume of micro SD card

10、HD TV output interface:HDMI sign output,be provided with resolution ratio reaches up to 1920*1080

Structures of Product

Up Menu

Mode

Battery door

Record

On and Off

Chuck nut

Lens

USB OUT /DC IN

TV OUT

HDMI OUT

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Function of Keys

1、Power key：Power on、Power off

2、Mode-shifting key to be used for shifting mode of Camera、Play、Photography.(When you are recording, this button is fast locking and unlocking button)

3、Menu key to be used for entering into condition of function table and system setting function table to set, it will enter into function table if you press once,and enter into system setting function table if you press twice.（When you are recording,this button is Fast switching button before and after picture）

4、Up key: used for select Up item in Menu

5、Down key: used for select Down item in Menu

6、Recording key：Video taking、photo taking（in the function table, used to confirm the function table setting; in the state of start , pause, and play）

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Operating Guideline

■Installation and Application

1、Adhere the machine and sucker onto the front glass of the car and remember that the view of drivers two shall not be blocked.

2、Plug the vehicles-filling wire into the machine

3、Insert the vehicles-filling wire into the cigarette lighter of car and the pay attention that this machine can convert its 12V~24V into a voltage of 5V.

4、The photographing angle can be adjusted according to personal preference.

■Installing and Taking-out of Storage Card

1、When installing the micro SD card ,insert the micro SD card into the slot in line with the indication direction.

2、When removing the card,gently press the micro SD card, and take it out when it pops out.

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Warm Tips:

1、Please confirm the inserting direction for the micro SD card, if the inserting direction is incorrect, the machine and card maybe be damaged.

2、Please apply the high-speed micro SD card(Card speed at Class10 or higher), the high-speed micro SD card will be provided with C10 mark.

3、If micro SD card format is incompatible with the machine, the card may not be read, and such phenomenon can be eliminated by formatting the micro SD card with the machine.

■Power on/off of machine and automatic shutdown

1、Press the power key once and the machine can be powered on, when press again ,the machine can be powered off.

2、In order to save battery power, the available settings menu can set automatic shutdown time, auto power off. When the machine is not external power supply condition, no operation in the setting time can be automatically shut down. In any mode according to the functions of table "MENU" key to enter the system setup mode, select menu using the Up/Down keys.

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■This driving recorder has a wide angle of 130 degrees and three lanes can be seen simultaneously.

■Camera Mode：

1、Turn on the power key, after the machine completes the start mode,the upper left corner on the display will present the camera mode sign" ",which denotes that the camera mode has been entered currently, In other modes, you can be entered by pressing the mode conversion key "MODE"。

2、Press the power key to start recording, short press the power key to stop recording once again. In the video process, display screen will flash The red icon" ".

3、Function list mode: Press the MENU key to enter the context menu mode. Press the up and down key to modify the contents for the context menu, press Recording key to confirm it.In the function list mode, you can modify the following contents: resolution, dual channels recording, display switch (Rear view camera set need to be connected), loop recording, interval recording,

high-dynamic, exposure compensation, motion detection, audio recording, date mark, accelerometer.

In the car charger connection state, auto ignition will automatically boot and began recording, In the process of photographing, do not take out the micro SD card, otherwise it will damage the file in the card or the card cannot be read. Pay attention not to move the lens too quickly to avoid photographing low quality image when switching scenes rapidly.

■Photographing Mode

1、Press the mode key to select the photo mode. In the photo mode, the photo mode sign " "will appear on the upper left corner of the display to mean that the photo mode is entered currently.

2、Photo taking: Press Recording key and photo taking can be preformed.

3、Functional list mode： Press the "MENU" key to enter the context menu mode. Press the up and down key to modify the contents for the context menu. Press Recording key to confirm.The following contents can be modified in the context menu mode: Shooting mode, Resolution ratio, Continuous shooting, Image quality, Sharpness,White balance, Color, ISO, Exposure Compensation, Anti-Shake, Quick preview, Date mark.

Warm Tips: While photographing, Pay attention to grasp the recorder quietly to reduce the shake of hands.

■Play mode

1、Press the key of mode shifting to enter into play mode. In play mode, the picture or video will display on the screen , press up or down key ,you can browse. Press Recording key, you can enter into view menu.

2、Video play: Press Recording key for playing or pause, Press up or down key to choose fall back or fast. Press "MODE" key to quit playing. Press"Menu" key you can delete the video.

3、Functional list mode: Press the MENU key to enter the context menu mode. Press the up or down key to modify the contents for the context Menu. Press " Recording key" to confirm. The following contents can be modified in the context menu mode: delete,protection and play slideshow.

■ System Setting

Press "MENU" key to enter into the functional list mode. Press"MENU"key twice to choose menu. Press up or down key to modify the contents of functional list. Press Recording key to affirm.
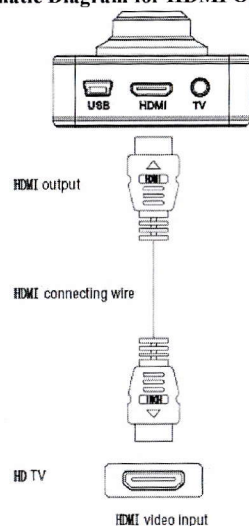
■ Function list of system setting includes:

1、Date/Time: Use up and down key to have increase and decrease operation. Press "Recording " key to affirm and enter into next set item.

2、 Automatic power-off: Set automatic power off time.

3、 Key sound: Key sound turned on and off.

4、 Setting language：To set the language that you need

5、 TV Model: Used to set the output of TV signal model.

6、 Light Frequency: Used for choosing the light frequency. For the users in Taiwan, should choose "60HZ". If choose wrong light frequency, interference of horizontal stripe shape will appear on image.

7、 Auto close screen: This function is used for setting the screen close time, it could be set to 30S、 60S、 120S and close.

8、 Parking guard: To set the parking guard on or off.
When parking monitor function is on, if the automobile is in a status of flameout after 90 seconds, the recorder shall start to take video automatically. The recorder shall recording for 30 seconds and then power off automatically.(At the moment, the display screen is in off state ,

only the status indicator light will be flashed on the display screen.

9、 Formatting: To format the Memory of Micro SD Card.

10、 Default set: Used for setting system parameter as preset value of factory-fresh.

11、 Version: Used to check the version number for the recorder.

■ Operation for Connecting Computer

Connect the machine to the computer through USB, then will appear two kinds of mode which named Memory and PC CAM .Use the up and down button to select mode, Then press "Video" key to affirm。

1、 After entering the Memory mode, the files inside the video recorder can be scanned through computer, on which DCIMA will appear, Users can use computer to store these files, perform operation such as cutting、copying as well as deleting.

2、 When you select the PC CAM mode, It can be used as a PC CAM.

Schematic Diagram for HDMI Operatiom

HDMI output

HDMI connecting wire

HD TV

HDMI video input

Parameters of Product

Wafer	3.1M CMOS wafer，1/3"light-sensing surface area
Lens	7 pieces of prime lens，F1.9 aperture，3.5mm focus length
Liquid crystal display	2.7 inch 16：9 TFT LCD
Video output	Output of HDMI signal
Video	H.264 （The compression format） Before： 1920*1080，30 frame / sec ; 1280*720，30 frame / sec 848*480，30 frame / sec ; 640*480, 30 frame / sec behind： 720*480，30 frame / sec
Photograph	12M:4032*3024 10M:3648*2736 8M:3264*2448 5M:2592*1944 3M:2048*1536 2M(HD):1920*1080 1.3M:1280*960 VGA:640*480
PC CAM	1280*720 640*480 320*240
G-Sensor	X-Y-Z three-axis sensor File Protection feature
Audio	Built-in microphone/speaker （AAC）
Memory	External medium:: MICRO SDHC Card （the top support 32G MICRO SDHC Card）
White balance	Automatics
USB interface	USB2.0
Battery	Detachable high capacity lithium ion battery，3.7V 550mAH
Dimension/Weight	Dimension: 74*55*20mm Weight： 53g
Work humidity/temperature	10%-80%/-10℃-+65℃

Random Accessories

Warm Tip :
While you purchasing of this product ' check accessories as shown on the picture to avoid the loss for you !
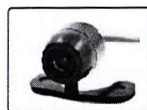
Host   Car charger   USB cable

Rear view
camera set   Holder   Lithium battery

User manual

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Safety Precautions

If the product is not properly used, The following problems may be caused, Please use it according to the following safety stipulations.

Warning

■Take notice not to enable other things to enter into machine .This may cause fire, electric shock and product defects.If your product fall into the water or liquid in negligence, please turn the power off and find our service department as soon as possible.

■Please do not enable the products to fall down the ground. This may give rise to product damage and defects

■Please keep the product far away from humid and dusty place. This may result in product fault and defects.

■Please do not decompose this product at random, Otherwise, you can't get the product warranty from company.

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■Please do not wipe the products with chemicals and detergent, It may cause the recorder discoloration.

■Please do not remove USB cable when data is transferring, It may have serious effect on product.

Simple Troubleshooting

In the case of normal operation, if there is a problem with the products, please refer to the following methods to solvethem,please:

■Not be available for taking picture and photographing,check micro SD card whether there is enough memory.

■Automatic stopping due to a greater volume of HD video data in video recording.Please employ the high speed micro SD card ,high speed micro SD card will bear C10 mark.

■Automatic stopping due to a greater volume of HD video data in video recording.Please employ the high speed micro SD card ,high speed micro SD card will bear C10 mark.

■No video displayed in television screen, check whether connection of HDMI TV plug is correct and whether television is set in correct HDMI state.

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■Video taken is foggy, because lens is not clean enough, Please check whether lens product the dirt and finger print . Before shooting, use lens paper to clean lens.

■Video taken is fuzzy, check whether lens is dirty, use clean cloth to wipe lens.

■When taking the sky and water scenes, the video is very dark, such situation belongs to a big contrast scene, which will produce serious effect on automatic exposure function of camera. Under this situation, the exposed compensation function is required to amend the exposure value of camera.

■There is horizontal stripe interference in image caused by incorrect light frequency setting. For Taiwan users, light frequency shall be set to "60HZ"

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