

◆preface

Thank you for purchasing the company vehicle traveling data recorder.

Before the formal use, please read this manual carefully, to ensure that the correct use of the product.Keep this manual for future use

◆Infringement of copyright warning

Please note that this product is only for personal use, the method of use shall not violate the goods infringe on domestic or international copyright laws.Even recorded images for personal use only, please note that in some cases to use this product to record performances, exhibitions or business activities of the image may infringe the copyright or other legal rights and interests of others.

◆Product overview

This product is a set of hd video, pictures, and built-out TF card memory in one multi-functional new high-tech products, high compression ratio and high performance is used for video codec technology, has the HDMI high-definition multimedia interface, high quality to transmit uncompressed high-definition video and multi-channel audio data.Is mainly used in automotive, improve the driving safety accident forensics, apply to the daily life, traveling, outdoor activities, bring you a colorful life

◆Matters needing attention

- please do not open or disassemble the product without authorization, which may lead to electric shock, or equipment damage.If necessary, please to the service center or professional processing.
- the product can be used for other USES, such as

photography, take, etc.

- please do not pile up on the equipment items, otherwise may lead to a broken screen.
- do not use sharp objects in contact with the screen in order to avoid damage to the screen.
- do not let children play with the equipment.

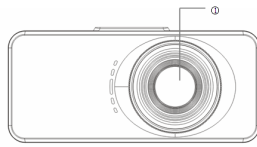
The basic function in pieces recorder

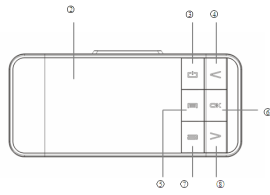
- low illumination high-definition video in 1080 p @ 30 FPS
- built-in low illumination high pervious to light a 170 - degree lens
- 2.7 inch LTPS highlight color
- Sensitivity adjustment
- collision automatic lock file
- motion detecting video

- drive synchronous start
- support cycle video
- the largest support 32 gb TF card
- support charging, while video
- image real-time monitor the output
- new WDR wide dynamic video

Structure

◆Front view

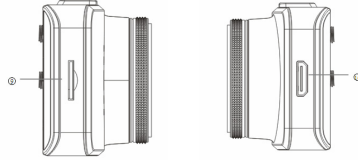




1.Camera 2. Screen 3. The power button 4. UP key 5. Menu

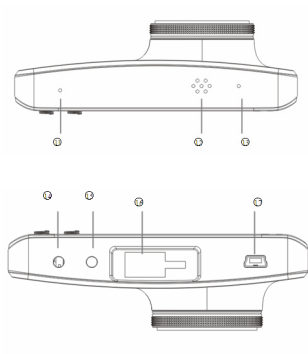
6.OK button 7. The mode key 8. Down key

◆side view



9.TF slot 10.HDMI

◆Vertical view



11.MIC 12.Speaker 13.Reset 14.GPS slot
 15.AV-OUT 16.Stent hole 17.USB

◆Keys function introduction

Name	function
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Power	According to the boot, long press to turn it off
Menu	Short press enter the menu (video mode, One key to lock file)
Mode	Short press to switch working mode
UP	UP (ZOOM)
DOWN	DOWN , Video on standby mode, click open or close the recording
OK	OK
Reset	Reset the system

◆light

name	instruction
Red light	Charge indicator, charging is complete, go out
Red light	Work light, video, flashing blue light regularly

◆Insert the memory card

1. According to the instructions carefully insert the card in the card slot.Errors or rough insert memory card may make damage of memory card or the card slot.

2. Insert the memory card will be saved as image recording.

3. If the device does not recognize the card, please take out the insert to try again.If you still can't identify, which they may be for the damaged card or device does not support this type of memory card.Please try to replace another memory card.

4. Please pay attention to often change the memory card and copy content to other storage medium.Don't burn on entities video card program or run other executable file, it could erase the above for information

◆The startup and shutdown of equipment

1. The manual switch machine: long press the power button once, the screen lights up, then long press the power button to turn it off can be realized.

2. Driving automatic switch machine: access to the car first 5 v power supply, the machine will start automatically when the car start and carry on video. When the engine according to the menu to select delay automatically save the current video and turn it off.

Note: when using the built-in power supply vehicle traveling data recorder, when low battery tips in low electricity, save the video after the automatic shutdown.

Basic operation

The product has three modes:

VIDEO MODE	Record video
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PHOTO MODE	Taking pictures
PLAYBACK MODE	Play back the video or photos

Note: after system boot into video mode by default. Standby mode, short press the menu button switch cycle mode

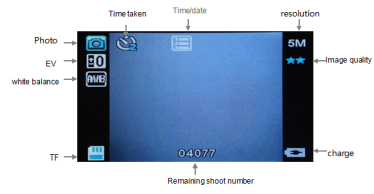
Video mode :

Start/stop video: insert TF card, connect the car charger, car starts, the machine will automatically start the video. Video process, the left upper corner of the screen flashing icon will regularly video mode, press the confirmation key in the process of video stop video, then click the ok button can again on video.

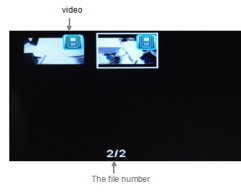


Picture mode

Aim the camera recording, keep the recorder doesn't shake, press the "confirm" button, "MAO wipe" sound, the machine makes a photo shoot. The user can choose different shooting mode according to their own requirements.



Playback mode :



File selection and broadcast:

1, turn key and the key files were selected, and make sure the keys file playback

2. play in the process, click the ok button to pause playback,
click again, play again

During playback, click on the turn and turn key can be set up
under the fast forward and fast

◆Menu Settings and system setting

In short video standby mode according to the menu, the
machine into the system Settings menu page, then doubled
and choose the required set projects;Press the confirmation
key set, short press the menu button to return to menu items.

◆Video mode option

function	Functional description
Resolution	1080FHD/720P/WVGA/VGA

Loop video	Select 2/3/5 minutes to circulation photography, photography can also be closed cycle
WDR	When open this option, the video quality to be improved
Motion detection	Open motion detection and camera can induction target change, target motion, the machine will automatically open the video
Power supply automatic video	Open this function, the power supply, automatic machine video
Delay shutdown	When the delay time of power machine after work time
Boot time delay	In selected 10 s, for example, machine electricity 10 s again after boot, can choose other options
Audio	Recorded video file if there is a voice inside, can choose to open or close

The date tag	After opening, recorded video files inside there will be a corresponding date/time watermark
G-sensor	Can select high/medium/low three gears, also can choose to shut down

Picture mode option

Function	Functional description
Resolution	1M/2M/3M resolution of the photo files Settings
way	Settings, can be set up regularly
shoot	Can be set up three shoot
Image quality	Image quality is high quality/standard/common three options
sharpness	Enhance/standard/soft
color	Normal/black and white/brown

Quick preview	When you shoot photos, can choose preview of the time
date tag	After opening, file it will be a date/time watermark

◆System Settings

function	Functional description
Date/time	Set the date/time of the machine
license record	Set of license plate can be recorded in the file shown above
Automatic shutdown	Set the machine automatic shutdown time in standby mode
key sound	Key sound of opening and closing
language	Chinesesimplified/traditionalChinese/English/German/Japanese/French/Portuguese/Italian/Russian/Sp

	anish
TV	NTSC/PAL
Light source frequency	50HZ/60HZ
Screen saver	working status, the screen closed time to choose
EV	The higher the value, the brighter the video, the conventional 0
white balance	Automatic/sun/cloudy/tungsten filament lamp, fluorescent
formatting	Format the memory card
default Settings	System restore the default value
version	m.

◆Connect the computer

In the case of insert TF card with USB cable to connect

computers, can appear at this time recorder three options, select "memory", the computer will appear a removable disk, the device has reached the U disk mode.Under the mode of mobile hard disk, can be recorded by copying files or shear to play in the computer, also can remove the TF card, use the data in a card reader to read the card;Select the "camera", recorder can do PC CAM use;Select "video", the machine starts, can connect the computer, while charging operation.



◆HDMI

This equipment through the HDMI cable, HDMI ports connected to the TV HDMI interface, hd audio and video

signal can be output terminal display such as televisions.

Product specification

DSP	NOVATEK
video resolution	1080P/720P/WVGA/VGA
Photo resolution	5M/3M/2MHD
screen	2.7 inch
Lens	170 ° A + HD wide Angle lens
file format	Video : MOV
	Photo : JPG
Motion detecting	Support
WDR	Support
support	Max to 32 G B T F
Language	Chinese simplified/traditional

	Chinese/English/Japanese/German/French/Portuguese/Korean/Russian/Italian
HDMI	Support
Battery capacity	400mAh
Microphone/speaker	Support
DC in	5V 1500mA

Note: the specification may be due to the upgrade and update changes such as reason, in kind prevail

Simple question out

In the event of failure, please try to use the following method. If you cannot be ruled out, please contact after sales and maintenance.

Can't normal video recording

- change the TF card
- change the resolution
- insert the larger capacity memory card.
- make sure the card has been installed correctly (during the installation process, you should hear a clicking sound).
- delete unnecessary files from memory card to release space.

Video is not clear

- make sure camera lens is clean.
- wipe off the dust and dirt on the lens, and then shoot.

Equipment works well, but button doesn't work

- press the reset button to initialize the machine.

In general please careful with reset initialization, the operation is likely to lead to loss of data.

Special function introduction: (GPS module is optional)

Equipped with GPS module, can complete record the trajectory of driving.Using random specialized software, you can watch the video on the computer at the same time, the Internet connection via Google maps, the map presents the driving track, the vehicle driving route for traceability



FCC Warning

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful

interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.