

# HD Vehicle Video Recorder

## User Manual

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2015 SEP V1.0

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# Safety Precautions

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Please Take and review some testing videos initially to make sure the images were recorded correctly.

Please note that manufacturer, its subsidiaries and affiliates, or its distributors are not liable for consequential damages arising from any malfunction of main device accessory, including malfunction memory card that results in the failure of recording video or recorded video ca not be read.

Before using the product, please ensure that you read the safety precautions described below. Always ensure that the product is used correctly.

- Please keep this device away from a children or an infant.
- Use only recommended power sources.
- Do not apply multi cigarette lighter adapters-Applying such devices will cause unstable power input. As a result, the vehicle video recorder will shut down or cannot record video due to lost power.
- Please always make sure all power connectors are fully secured.
- Do not attempt to disassemble, alter or apply heat to the product.
- Avoid dropping or subjecting the product to severe impacts.
- To avoid the risk of injury, do not touch the interior of the product if it has been dropped or otherwise damaged.
- Stop using the product immediately if it emits smoke, a strange smell, or otherwise behaves abnormally.
- Do not use organic solvents such as alcohol, benzene, or thinner to clean the product.
- Do not let the product come into contact with water (e.g. sea water) or other liquid.
- Do not allow liquids or foreign objects to enter the Vehicle Video Recorder.
- Do not allow dirt or metal objects (such as pins or keys) to contact the terminals or plug.
- Avoid using, placing or storing the product in a humid or dusty area.

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## **A. Feature Description**

- H.264 compression technology real-time recorder
- 120° Wide-angle CMOS Lens.
- Record video with sound inside and outside the car.
- Recorded Video store in Micro SD card.
- Loop recording / on start recording when memory card is inserted and device is power on.
- Emergency Manual recording, file saves to separate area to prevent overwritten.
- Built-in G-Sensor, auto recording accident footage.
- Made in Taiwan.

## B. Specification

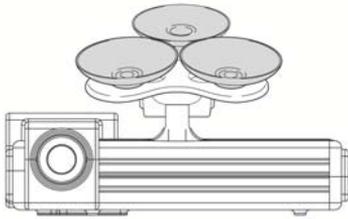
Item	Description
Sensor	Megapixel CMOS Sensor
View Angle	120° Wide-angle
Record FPS	NTSC 30 fps / PAL 25 fps
V / A	DC5V±5% / 1A. Start voltage 4.6V or above is required.
Operating tmp.	-10°C~ +60°C
Storage	8GB Class 10 micro SD Card or above
Recording	Auto recording continuously after power on. Stop recording after power off immediately.
Recording content	Date/Time/Image/Sound/G-Sensor data
Storage format	TS file is playable on most players, exclusive player available on Vacron website.
	Use remote control to playback
Audio Input	Built-in microphone
Time setting	Built-in permanent calendar with adjustable function through OSD.
G-Sensor	Built-in 3D G-Sensor

## C. Accessories

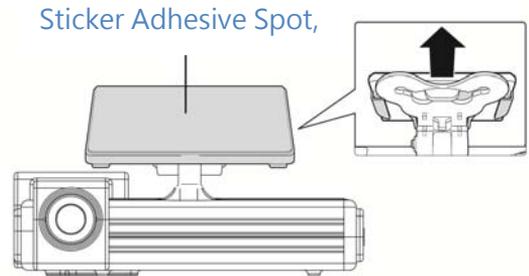
5V cigarette power adapter / Remote controller / USB card reader / Suction cup bracket / Bracket holder / 4 pins, 3.5 inch headphone jack to RCA output cable / Quick user manual

## D. Installation Instruction

1. To install the device on the windshield by " Sucker-type holder " or "Stick-Holder" Type

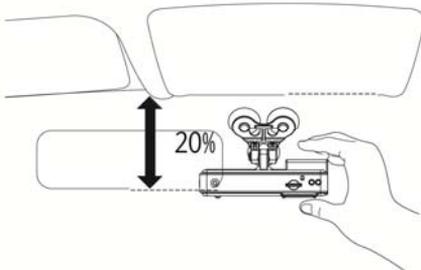


Sucker-type holder

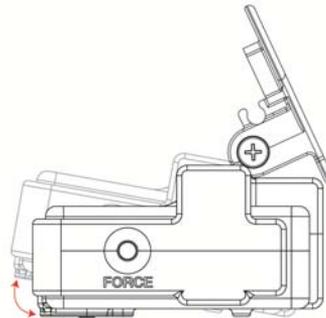


Stick-Holder

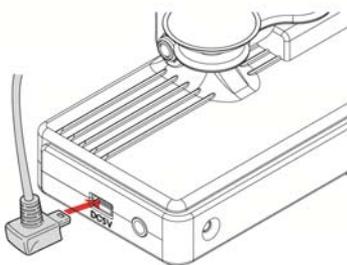
2. Install the device on the windshield in the best position



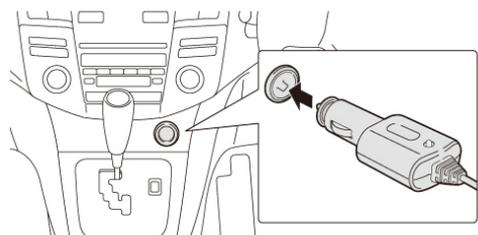
3. To adjust the recording angle properly



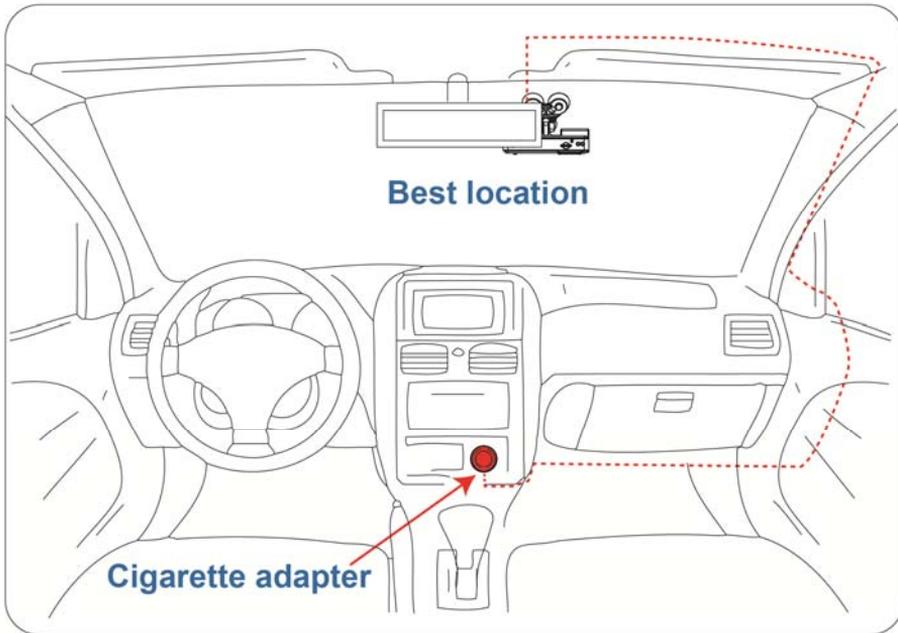
4. Plug in DC5V Power Supply



5. Plug in the Cigarette Lighter Adaptor



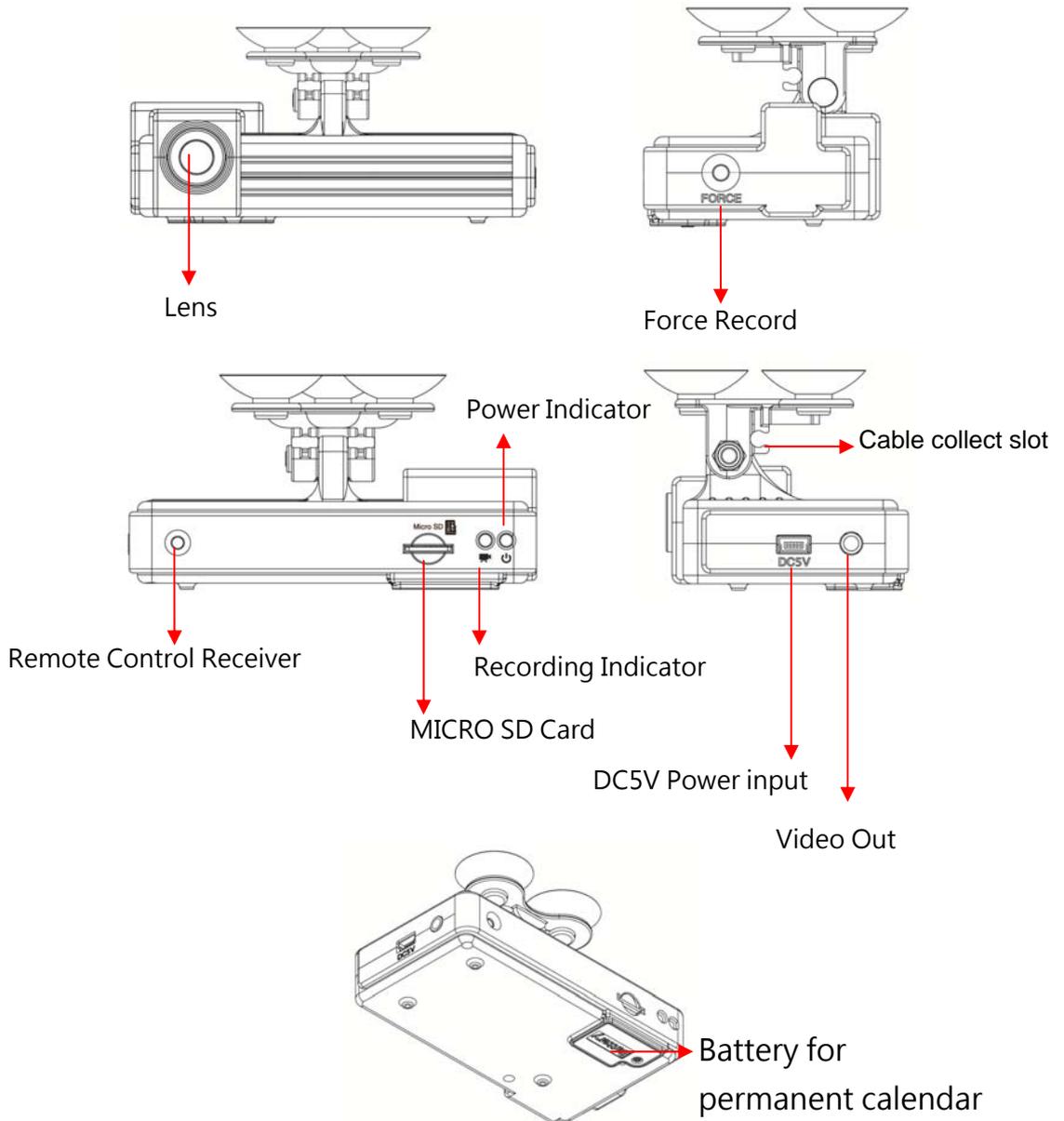
## 6. VVR installation instruction



### Caution

- (1). This device should be installed in the area where the Windshield will be able to be cleaned by windshield wiper.
- (2). Formatting SD card on the PC before beginning to use.
- (3). Set time zone and timing on OSD. Star the device immediately after you set time zone to make sure the video files will tally with normal time.
- (4). Setting NTSC or PAL through OSD.

## E. Product Dimensions



## F. SD Card

### 1. "Format" Micro SD card

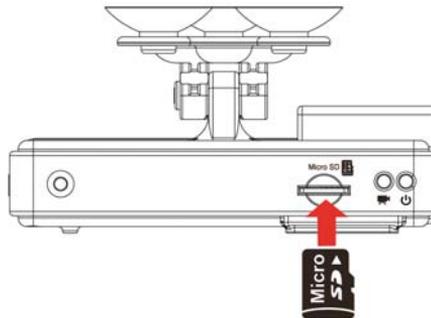
While applying a brand new Micro SD card, or use a Micro SD card that was take out from other devices, a formatting procedure is required.



### Caution

- (1). "Format" will clean all the data saved on Micro SD card, Please back up the data before proceed " Format" .
- (2). Before "Format " Micro SD memory card, please ensure that Micro SD memory card is unlocked.
- (3). If the card is unlocked but still cannot be formatted, this might be caused by Windows security restrictions. Please run the program as Administrator to prevent from this problem.

### 2. SD Card Installation



Remark: Memory Card is optional



**Caution**

- (1). Recommend memory card class 10 or above 8GB Micro SD Card.
- (2). Since memory cards have the writing endurance situation, we recommend to inspect the memory card and use pc for playback regularly, to ensure that the memory card can read and write
- (3). Hot swap is not supported. Please power off device before remove memory card. Removing Memory Card while recording may lose or damage recorded data.

3. Record Time Estimation

The chart below is for reference only. The length of time recorded can be varied due to variation in image size may be different.

Capacity	8G	16G	32G
Video Quality			
High	120 Min	240 Min	480 Min

## G. Recording / Stop Recording

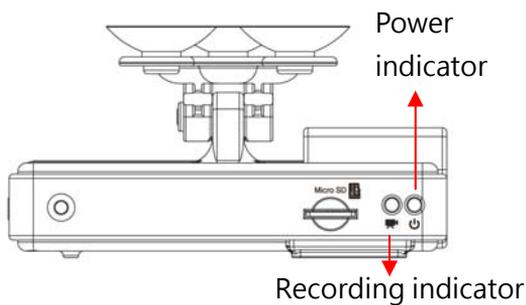
### 1. Power On/Recording

When car power on, the device start up automatically. Please wait for 30 Sec. to start recording.

### 2. Power Off/Stop recording

When the car power off, the device will stop to record video and sound. You can take off the memory card and insert to computer to view the video.

### 3. Indication



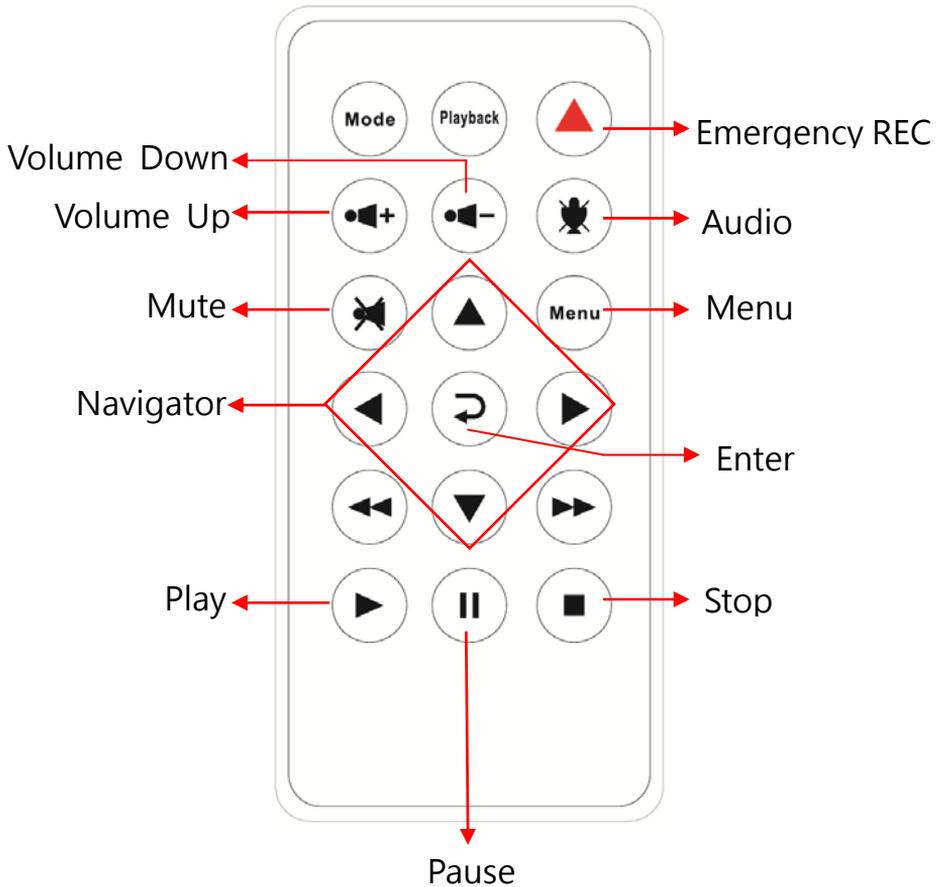
- (1). Recording indicator: Red light Blinking when recording. (Emergency recording blinking fast)
- (2). Power indicator: Green light is ON when power on.



### Caution

- (1). The display of booting screen and live view are subject to change without notice for software upgrade or re-version.
- (2). Force recording button has highest priority. Push Force recording button will pop up recording window and activate force recording immediately.
- (3). CR1220 Battery for calendar can be replaced by users.

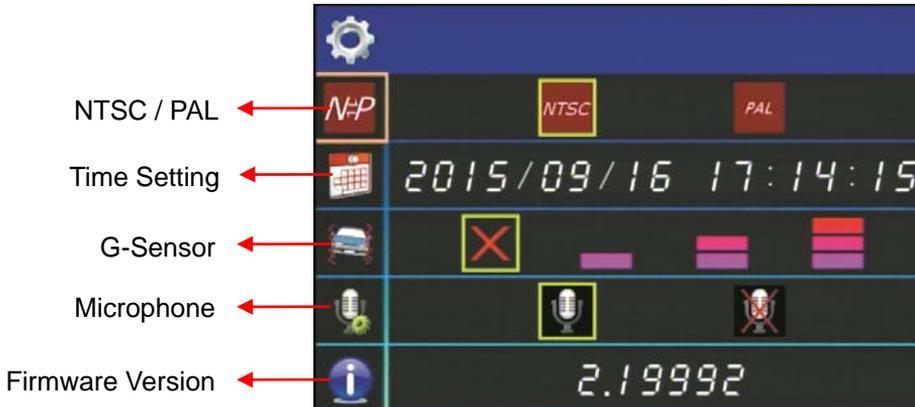
## H. Remote Controller



<p>How to check if the remote controller is workable?</p> 	<ul style="list-style-type: none"> <li>✓ Check the mercury cell is installed in correct direction. (Check the pole)</li> <li>✓ Check if the cell power is exhaust.</li> <li>✓ Check if the sensor is covered.</li> <li>✓ Check if it nears by Fluorescent Lamp.</li> </ul>
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## I. OSD Menu function

In Live view screen press [Menu] will popup OSD operation menu as follows:



1. Video Type :Click  to choose NTSC /PAL.
2. Time setting: Click  to adjust clock.
3. G-Sensor: Click  to set the sensitivity of G-sensor. The higher the sensitivity on behalf of gravity (G) the more sensitive the sensor, the more likely trigger mandatory photography; When emergency record is triggered, it will keep emergency recording and keep the files without being event video overwritten.
4. Microphone: Click  to setup microphone on / off.
5. Firmware Version:  show firmware version.

## J. Playback Video Files

Playback the video files on PC via the storage card from the vehicle recorder.

The \*.ts video files are compatible with software like KM, Storm Media Player and Windows Media Player. Please download decoder if playback failed.

\* Please backup important files just in case of overwritten.

 2014-05-06-13-59-14.ts	2014/5/6 上午 06:02	KMP -Video File	210,081 KB
 2014-05-06-14-02-14.ts	2014/5/6 上午 06:05	KMP -Video File	209,764 KB
 2014-05-06-14-05-14.ts	2014/5/6 上午 06:08	KMP -Video File	209,572 KB
 2014-05-06-14-08-14.ts	2014/5/6 上午 06:11	KMP -Video File	209,524 KB
 2014-05-06-14-11-14.ts	2014/5/6 上午 06:14	KMP -Video File	209,234 KB
 2014-05-06-14-14-14.ts	2014/5/6 上午 06:17	KMP -Video File	210,218 KB
 2014-05-06-14-17-14.ts	2014/5/6 上午 06:20	KMP -Video File	209,701 KB
 2014-05-06-14-20-14.ts	2014/5/6 上午 06:23	KMP -Video File	209,928 KB



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For More Information  
Please check VACRON Website  
<http://www.vacron.com>

Made in Taiwan

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