VACRON
ADVANCES IN SECURITY SOLUTIONS
守護眼

更多產品資訊
請上VACRON車用官網
http://vvr.vacron.com.tw
製造地：台灣

For More Information
Please check VACRON Website
http://www.vacron.com
Made in Taiwan

Copyright@ FUHO Technology CO., LTD.

H11A0N1200
2013 JUL V1.0

Specification ／ 產品規格

Items	Description
Sensor	CMOS
View Angle	105° Wide-angle
Resolution	NTSC 30fps / PAL 25fps
V / A	DC5V±5% / 1A
Operating tmp.	-10℃~ +60℃
Display	2.5" TFT LCD
Storage	4GB SDHC Card or above (Recommend 『SanDisk』or『Transcend』
	Class 10 or above)
Recording way	Auto recording 30 secs after power on.
	Footages will be preserved after power off.
Recording content	Date/Time/Image/Sound/G-Sensor data)
Storage Format	Special format, playing on LCD screen with remote control.
	Or specific Player bundled.
Audio Input	Built-in microphone
Time setting	Built-in permanent calendar with adjustable function through
	remote control or bundled Player
G-Sensor	Built-in 3D G-Sensor

★NOTE 1. Version updating is not going to inform, please check the on-going updating information
2. SD Card. (optional)

項目	規格
影像感測器	CMOS Sensor
鏡頭視野角度	可視角約105度
錄影解析度	Full-HD, NTSC 1080P/30張、PAL 1080P/25張
主機電壓電流	DC5V±5%、1A變壓器。
操作溫度	-10度~ +60度
顯示裝置	內建2.5吋LCD
儲存裝置	記憶卡建議使用『SanDisk』廠牌Class 10以上SDHC Card (需使用4G以上)
錄影方式	送電開機30秒後自動持續錄影，斷電後立即截檔停止錄影
記錄內容	日期時間、影像、聲音、G-Sensor資料
儲存格式	特定格式檔搭配專用播放軟體播放
影像迴放	本機可迴放
聲音輸入	內建麥克風
時間設定	內建萬年歷時鐘，可經由撥放軟體或選單進行設定與校正
	※萬年曆時鐘電池CR1220若沒電時，使用者可自行更換
G-Sensor	內建3軸加速度感測器 (Internal 3D G-Sensor)。

★備註 1. 記憶卡請自行選購。
2. 產品規格如有變更，恕不另行通知。

Accessories ／ 包裝內容

- **Standard** Adapter / Bracket / Software CD / Quick user manual
- **Optional** 4G / 8G / 16G / 32G Class10 or above SDHC Card
- 標配 變壓器 / 支架 / 產品光碟 / 簡易操作說明書
- 選配 4G / 8G / 16G / 32G _Class 10 SD卡

Safety Precautions ／ 安全注意事項

- Take and review some testing video initially to make sure the images were recorded correctly. Please note that manufacturer, its subsidiaries and affiliates, and its distributors are not liable for consequential damages arising from any malfunction of main device accessory, including memory device that results in the failure of an image to be recorded or to be recorded in a way that is machine readable.
Before using the product, please ensure that you read the safety precautions described below. Always ensure that the product is used correctly.
• Use only recommended power sources.
• Do not attempt to disassemble, alter or apply heat to the product.
• DO NOT apply multi cigarette lighter adapters-Applying such devices will cause unstable power input to damage the vehicle video recorder.
• Please always make sure all power connectors are fully secured.
• 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 liquids.
• Do not allow liquids or foreign objects to enter the VVR.
• Do not place the VVR near or in direct flame.
• Do not handle the power cord with wet hands.
• Do not use the equipment in a manner that exceeds the rated capacity of the electrical outlet or wiring accessories.
• Do not use if the power cord or plug are damaged, or not fully plugged into the outlet.
• 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 the humid or dusty areas.

- 請先試錄影片，然後播放，以確定機器操作正常。請注意，如因本機配件，包括記憶卡的故障，導致不能拍攝影像或不能讀取影像格式而引起的任何損失，本公司、其附屬機構及經銷商皆不負賠償責任。
使用本產品之前，請確定您已閱讀下列的安全注意事項。並請確定您操作產品的方法是正確的。
• 請存放本器材於兒童與嬰兒無法觸碰的地方
• 請只使用建議的電源
• 請勿使用外接式(多孔)點菸器，避免因點菸器電壓不穩導致產品當機、失去電力而無法錄影
• 點菸頭電源與本產品電源頭，請"務必"密合緊實
• 請勿嘗試將產品拆開、改裝或加熱
• 避免使產品丟落地上或受猛烈撞擊
• 要避免受傷，請勿在產品跌下後或損毀時觸碰產品的內部
• 如產品冒煙、發出異味或有其他異常，請立刻停止操作產品
• 請勿使用有機溶劑，如酒精、苯或油漆稀釋劑清潔產品
• 請勿讓產品接觸到水（如海水）或其他液體
• 請勿讓任何液體或異物進入機器
• 請勿將電池置於熱源附近，或暴露於火焰中
• 請勿使用濕手觸碰電源線
• 請勿將本器材用於超出指定電壓的電源插座或線路配件。請勿使用損毀的電源線或插頭，或沒有完全插入電源插座
• 請避免嘴子或插頭接觸到金屬物件（如針或鑰匙）或污漬
• 請避免在潮濕或多塵的地方使用、放置或存放產品

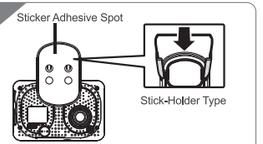
VACRON
ADVANCES IN SECURITY SOLUTIONS
守護眼

FullHD Light and Compact / FullHD 輕巧型卡片機

Vehicle Video Recorder ／ 行車影音記錄器

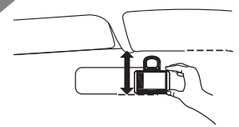
Installation Guide ／ 安裝示意圖

1



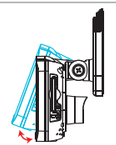
- To install the device on the windshield by "Stick-Holder" Type
- 使用「貼架式」連結主機至汽車前擋風玻璃上

2



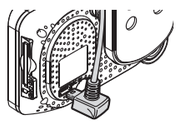
- Install the bracket in appropriate position
- 安裝主機於最適位置

3



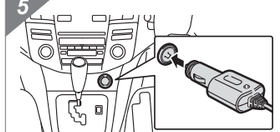
- Adjust the view angle
- 調整錄影視野角度於最佳位置

4



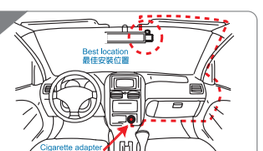
- Plug in DC5V Power Supply
- 將電源插入DC5V連接孔

5



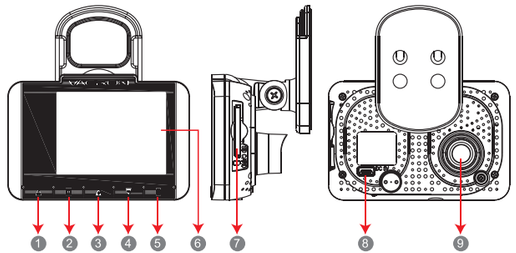
- Plug in the cigarette adapter
- 將電源另一頭插入點菸器中

6



- Schematic diagram of the wire installation
- 行車記錄器安裝線路示意圖

Structure of Product ／ 產品外觀



1. Force Record
2. Manu/Switcher
3. Up
4. Down
5. Playback/Select
6. Display
7. SD card Slot
8. DC5V Power input
9. Lens

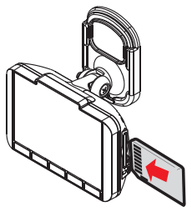
- LED indicators
  Red: Under normal operation-recording
  Fast Blinking Red: Force recording
  Green：Low light indicator

1. 強制錄影鍵
2. Manu/左右鍵
3. 向上鍵
4. 向下鍵
5. 回放清單/確認
6. 螢幕
7. SD卡插槽
8. DC5V電源輸入
9. 鏡頭

- 燈號顯示
  紅色燈(強制錄影鍵)：閃爍表示錄影中(強制錄影時閃爍頻率較高)。
  綠色燈：夜間微光提示按鈕位置。

Memory Card ／ 記憶卡

1. SD Card Installation
記憶卡安裝使用



NOTE

(1) If the memory card is not formatted by our exclusive player, the device will automatically erase all the data inside of the memory card after inserting it, start recording at default setting.
(2) Please don't convert Micro SD to SD card to begin recording, to avoid the damage during recording.
(3) 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.

注意事項

(1). 請勿使用MicroSD卡轉SD卡進行錄影，以免因震動導致轉接卡接觸不良而產生錄影異常。
(2). 記憶卡若未先使用專用播放軟體進行格式化，則機器會將整張記憶卡內資料強制清除後，再以機器預設值開始錄影。
(3). 記憶卡有讀寫次數與壽命問題，建議定期檢查與使用電腦播放影像，確保記憶卡仍可正常讀寫。

2. 「Format / Restore」SD card
「格式化/還原」記憶卡

NOTE

(1). 「Format / Restore」 will clean all the data saved on SD card, Please back up the data before「Format / Restore」.
(2). Before「Format / Restore」SD memory card, please ensure to unlock it first.
(3). If the card is unlocked but still cannot be formatted, this might be caused by Window Vista / 7 security restrictions. Please run the program as Administrator to prevent from this problem.

注意事項

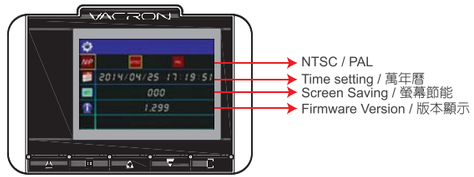
(1).「格式化」/「還原」會清除SD卡所有資料，請在「格式化」/「還原」動作之前備份您所需要的資料。
(2). 在「格式化」/「還原」SD卡前，請先確定SD卡是否解除上鎖。
(3). 如SD卡已解除上鎖，仍無法執行「格式化」/「還原」 SD卡，請以『系統管理員身分』執行，即可進行「格式化」/「還原」SD卡動作

3. Record Time Estimation
連續錄影記憶卡容量概算

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

＊The chart of estimated record time listed below is for reference only.
The length of time recorded can be varied due to variation in image size may be somewhat different.
＊以下概算表僅供參考，記錄資料量會依影像變動率有所不同。

OSD Menu function ／ OSD表單功能



VACRON Viewer ／ VACRON 播放軟體

- Start the program (you can locate it in the CD-R). The main screen will be like the picture below.
  1. To perform this software, please install Direct X 9.0 or above.
  2. Please see the operation manual.
- 執行產品光碟資料夾內的播放軟體，播放畫面如圖所示。
  1. 要執行此軟體須安裝 Direct X 9.0 以上。
  2. 其它詳細操作請參照附贈光碟內之『操作手冊』內容。

- Function
  1. Playback Speed
  2. Screen Capture
  3. G-Sensor Data
  4. Control BAR
  5. Sound
  6. Playback Control
  7. Capture
  8. Playback
  9. Configure
  10. Setting
  11. File

- 功能
  1. 播放速度
  2. 擷圖畫面區
  3. G-Sensor撞擊感應器
  4. 播放BAR
  5. 音量控制
  6. 控制介面
  7. 拍照
  8. 迴放影片
  9. 格式化
  10. 配置
  11. 備份檔案