

4/8 ch Vehicle DVR System

WiFi / GPS / 4G (optional)



Note 1: Vehicle Camera optional, 1080P, 720P and D1 camera can not be used simultaneously
 Note 2: SD Card is not included; suggest to apply Class 10 or above., 8-128G acceptable
 Note 3: No further notice for any modifications afterwards.

Accessories

H12A082D05

This product contains the following accessories

- | | |
|-----------------------|----------------------------|
| 1. Main Device | 6. IR Remote Control |
| 2. Power Cable 6P+5A | 7. Video and network cable |
| 3. ALARM Cable | 8. Software Disc |
| 4. IR Extension Cord | 9. RS-232 Cable(2 pin) |
| 5. 16P Female-MINI x2 | 10. Quick Manual |
- With optional accessories
- | | |
|--|---|
| 1. 4G Adapter/4G Antenna(Optional) | 4. G-MOUSE(Optional) |
| 2. SD card (suggested to use 8G ~ 256G class 10 or over) | 5. On Vehicle Microphone(Optional) |
| 3. 2.5" HDD (suggested capacity is up to 4TB) | 6. Camera Connection Cable 5 Meter/ 10 Meter/15Meter(TBD) |

Safety Precautions

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.

- Please keep device away from children.
- Use only recommended power sources.
- 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 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 direct 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.

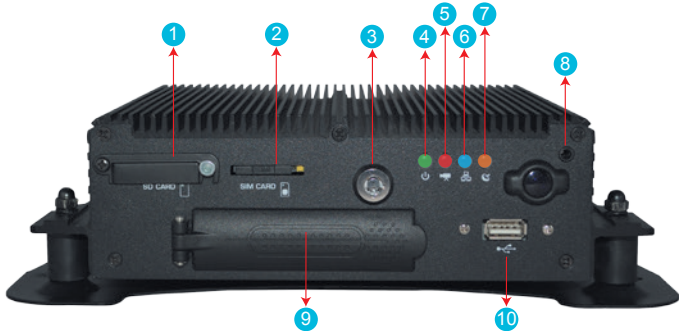
Before using 4G products, please ensure that you read the safety notifications described below.

- Company and user shall not modify certified low power radio frequency device the frequency, increase the power and change the characteristics and functions without permit.
- Use low power radio frequency device shall not affect flight safety and interfere with legal communications; when there is interference happened should be immediately suspended, and improve without interfering may continue to use.
- Legal communication means operation of radio communication in accordance with the provisions of the Telecommunications Act Low-power radio frequency device must endure the interference of legal communications, industrial, scientific and medical radiation wave equipment.

Product Appearance

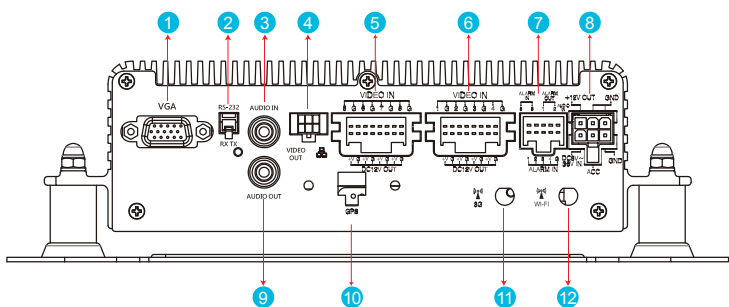
※ GPS / 4G / WiFi are optional

4CH / 8CH DVR Front panel



- | | | |
|------------------|------------------|----------------------|
| 1. SD Card Slot | 5. Record light | 8. Infrared Receiver |
| 2. Sim card slot | 6. Network light | 9. HD slot |
| 3. HD slot lock | 7. GPS light | 10. USB Slot |
| 4. Power light | | |

4CH / 8CH DVR Rear Panel



- | | | |
|------------------------|---|----------------------------|
| 1. VGARS-485 | 5. Video in(5~8ch) (with 8ch DVR) | 9. Audio in |
| 2. RS-232 | 6. Video in(1~4ch) | 10. GPS (optional G-Mouse) |
| 3. Audio input | 7. x6 alarm in, x2 alarm out, Audio input | 11. 3G/4G (optional) |
| 4. Video out / Network | 8. Power input | 12. Wi-Fi (optional) |

Power On / Power Off

★ Before the first recording, please set the video format.

- (1) Power On
Put HDD into HDD slot and closet HDD slot lock, then turn on the power and it will take approximately 30 seconds. When lights start flashing as the recording is in progress.
- (2) Power Off
Turn off the power; please wait for 10 seconds until super capacitor without electric. Then take the HDD out and playback the recording files in computer.

Light Indicator

- Power Light(Green Light) :
Light Off · means no power/power off. Light On · means power supply normally.
- GPS Light(Blue Light) :
Light Off · means GPS is not ready. Light On · means GPS is locating position.
- Network Light(Blue Light) :
Light Off · means network disconnected. Light On · means network connected.
- Recording Light(Red Light) :
Light Off · means non-recording. Light Flashing · means recording.

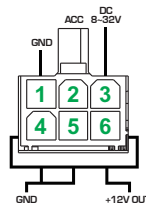
※ When Light Fast Flash · means Force recording is caused by manual or G-Sensor (Remark: While using playback function in DVR, it cannot take live recording at the same time.)

IR Remote controller



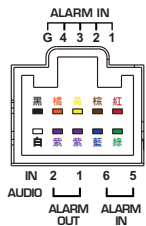
Remote Control Precautions

- Remote control inspection
- ✓ Check the battery's positive and negative polarity.
 - ✓ Check the battery if run out.
 - ✓ Check the sensor of remote control if be obscured.
 - ✓ Check if there are fluorescent lamps are used nearby.



Power Connector

1. GNPD (-)
2. ACC
3. DC8~32V IN (+)
4. Signal and DC grounding
5. Signal and DC grounding
6. DC+12V Out



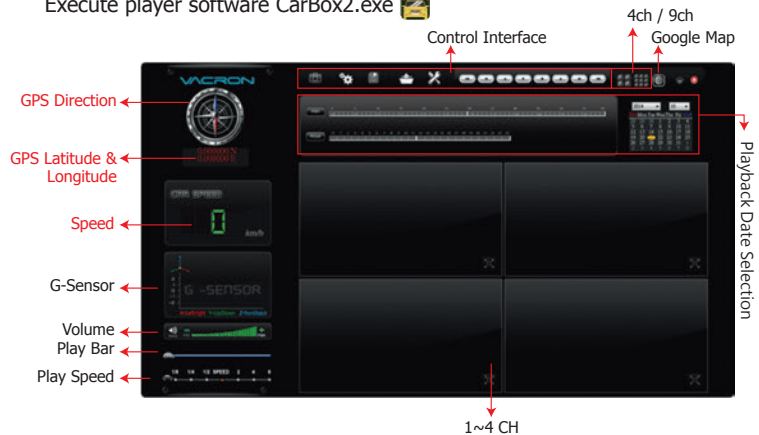
Alarm/Audio Connector

ALARM IN			
G	4	3	2
AUDIO	ALARM OUT	ALARM IN	
AUDIO	2 (spare)	1	6 (spare) 5 (spare)

CARBOX Player on PC

*Support windows operating system

Execute player software CarBox2.exe



★ GPS Direction / GPS Latitude & Longitude / Speed for GPS models.

4 / 8 CH 車用監控系統

WiFi / GPS / 4G (optional)



(備註1) 攝影機請自行選購，1080P 720P攝影機與D1攝影機無法混搭使用。
 (備註2) SD卡請自行選購，建議使用8G~128G class10以上之記憶卡。
 (備註3) 產品規格如有變更，恕不另行通知。

產品配件

- 本產品包含以下配件:
 1. 主機
 2. 電源線 6P+5A / ALARM 訊號線
 3. IR延伸線材
 4. 空接16P母-MINIX2
 5. 紅外線遙控器
 6. 影像及網路輸出線
 7. 光碟片
 8. RS-232線材(2 pin)
 9. 簡易說明書
- 搭配選購配件:
 1. 4G模組卡/4G天線
 2. SD記憶卡 (建議使用8G~256G class10以上)
 3. 2.5吋HDD硬碟 (建議容量最高4TB)
 4. G-Mouse
 5. 車用監聽麥克風片
 6. 攝影機延長線5米/10米/15米

安全使用注意事項

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，包括硬碟、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
- 請勿嘗試將產品拆開、改裝或加熱
- 避免使產品去落地或受猛烈撞擊
- 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
- 請勿使用損壞的電源線或插頭，或沒有完全插入電源插座
- 請避免指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

使用4G產品功能前，請確定您已閱讀下列的安全注意事項。

- 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能
- 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。
- 前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

錄影及停止錄影

★第一次錄影前請先設定錄影格式

- (1) 開機
將硬碟裝入本機端的硬碟插槽內，並鎖上硬碟鎖，再將電源啟動，等待約30秒後，燈號亮起後，即開機完成。
- (2) 關機
將電源關閉後，須等約10秒，待電容完全放電後，此時才可將硬碟取出，至電腦端讀取所錄影的檔案。

燈號示意

- 電源燈號(綠燈)：無燈號，表示無供給電源。
燈號恆亮，表示電源正常供電。
- 錄影燈號(紅燈)：無燈號，表示沒有進行錄影。
燈號一閃一滅，表示錄影中。
燈號快速閃爍，表示觸發事件錄影。
- 網路燈號(藍燈)：無燈號，表示網路未連線。
燈號恆亮，表示網路已連線。
- GPS燈號(藍燈)：無燈號，表示GPS未定位。
燈號恆亮，表示GPS定位完成。

(註：若在本機端使用回放功能時，則無法同時進行錄影。)

遙控器



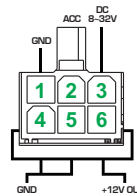
遙控器使用注意事項

- 遙控器異常檢查
- ✓ 檢查電池的正負極性
 - ✓ 檢查電池電量是否用完
 - ✓ 檢查遙控感測器是否被遮住
 - ✓ 檢查附近是否有螢光燈正在使用

產品外觀

※ GPS / 4G / WiFi功能為選配

4CH / 8CH DVR 面板



電源連接埠

1. GND 車載電源地(負電)
2. ACC 啟動控制
3. DC8~32V IN車載電源輸入(正電)
4. 信號及一般DC接地
5. 信號及一般DC接地
6. DC+12V輸出



警報/聲音連接埠

ALARM IN (警報輸入)			
G黑	4橘	3黃	2棕
1紅			
AUDIO (聲音)		ALARM OUT (警報輸出)	
AUDIO 白	2紫 (備用)	1紫	6藍 (備用)
			5綠 (備用)

電腦端播放器

★支援WINDOWS作業系統

1. 執行播放軟體CarBox2.exe 利用儲存裝置進行檔案回放，播放畫面如下圖所示



★「GPS方位與座標」、「時速資訊」、「Google Map」需搭配具有GPS功能機種。

4CH / 8CH DVR 背板

