



DOD-Tech

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S1 使用指南



使用前須知

前言

本用戶手冊將詳細說明如何使用，同時提供給您的詳細訊息，包括使用、操作、安裝注意事項及技術規格等；使用前請仔細閱讀本手冊並請妥善保存本手冊，我們希望本產品能滿足您的需求並且長期為您服務。

產品保證

本產品通過ISO 9001:2008國際品質管理體系認證及經FCC和CE等機構認證，顧客可以安心使用。

侵犯版權警告

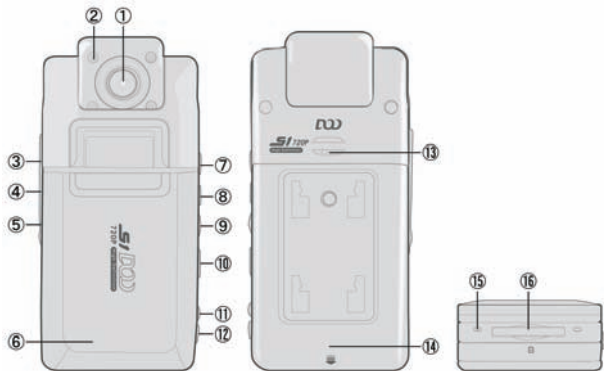
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檢查產品附件

請先行檢查以下產品附件是否完整

- 1.車用電源 (4M)*1
- 2.支架 *1
- 3.AV視訊線 *1
- 4.USB連接線 *1
- 5.使用說明書 *1

產品結構



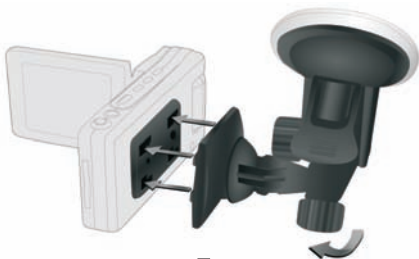
產品結構

- | | |
|----------------|-------------|
| 1. 180°旋轉鏡頭 | 9. 模式鍵 |
| 2. 紅外線燈 | 10. 選單鍵 |
| 3. AV輸出孔 | 11. 電源鍵 |
| 4. 強制關機鍵 | 12. 方向鍵/確定鍵 |
| 5. USB孔 | 13. 喇叭 |
| 6. 360°TFT旋轉螢幕 | 14. 電池蓋 |
| 7. 錄音鍵 | 15. 麥克風收音孔 |
| 8. 錄影鍵 | 16. SD卡插槽 |

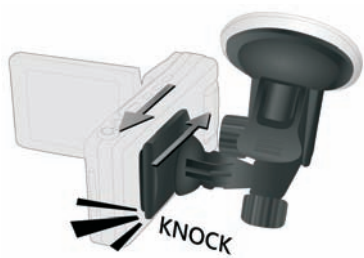
安裝方法

安裝支架

支架與主機結合後，將主機壓至與支架完全咬緊即結合完成。



圖一



圖二

安裝記憶卡(記憶卡選購)

將SD卡，依照指定方向裝入行車紀錄器

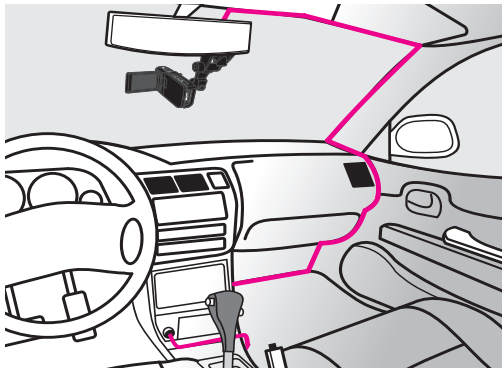


安裝於車上

步驟一：將行車紀錄器的吸盤支架，吸附在您的擋風玻璃上，鏡頭朝前。

步驟二：將4米車用電源一端插入行車紀錄器的USB孔，另一端則插入車上的點煙孔。

步驟三：將多餘的電源線，按照圖示位置佈線後即完成安裝。



電池充電

此行車紀錄器之電池為備用電源，充電前請依圖示將電池蓋打開，裝入電池；充電時只需將行車紀錄器安裝在您的車上，保持汽車發動，電池便開始充電。

設有保護電路，故充電達飽合時會自動停止充電，充電時間約為六小時。



開機與關機

開機

1. 主機開機時，直接按壓一下電源鍵即可開機。
2. 請依照前頁所示，將行車紀錄器安裝在您的車上；安裝完成後請發動汽車，若行車紀錄器主機螢幕亮起，表示安裝成功，開機後自動錄影。若螢幕尚未亮起，請依前頁的安裝步驟反覆檢查一次。

關機

1. 主機開機時，直接按壓一下電源鍵即可關機。
2. 汽車熄火後自動停止錄影。

錄影設定

- 停止錄影後按下【MENU】選單鍵，即可進入選單。
- 撥動方向鍵【上、下】可調整選項
- 撥動方向鍵【右】可進入系統設定
- 按下方向鍵【確定】可進入選項
- 選擇到指定參數後再按【確定】鍵可儲存參數。
- 再按一次【MENU】選單鍵可跳出選單

1. 解析度

可預設錄影時的解析度，【HD】為最高畫質。

2. EV

EV值愈高，錄影的畫面愈亮；反之則畫面愈暗

3. 白平衡

一般情況下選擇【自動】，為最佳白平衡；如果自動無法產生自然色彩，請使用適合光源條件的設定改變白平衡。

4. 時間戳印

透過此設定，您可以選擇影片中是否顯示時間日期。

5. 循環錄影

當錄影資料存滿時，您可以選擇是否自動刪除舊資料，儲存新資料，以達錄影不中斷的效果。

6. 畫面翻轉

將選單與影像180度翻轉。所以您也可以依您的需求將行車紀錄器顛倒180度來安裝。

7. G-sensor

此功能可設定G-sensor的靈敏度。可在發生碰撞時，自動保護當下正在錄影的影片而不被循環錄影所覆蓋。

系統設定

- 停止錄影後按下【MENU】選單鍵，進入選單，撥動方向鍵【右】可進入系統設定
- 撥動方向鍵【上、下】可調整選項
- 按方向鍵的【確定】可進入選項
- 選擇到指定參數後再按【確定】鍵可儲存參數。
- 再按一次【MENU】選單鍵可跳出選單

1. 格式化

將SD卡進行格式化，格式化前請先備份所需資料。

2. 按鍵音

開啟或關閉按鍵音。

3. 語言設定

支援多國語言，調整成您慣用的語言介面。

4. 自動關機

在停止錄影下，設定主機在1、3、5分鐘後自動關機。

5. 系統重設

將所有設定回復至原廠預設狀態。

6. 輸出頻率

如果所在國家電壓為220V，請選擇【50Hz】。電壓為110V，請選擇【60Hz】。

7. 影像輸出格式

當您在使用AV線將畫面輸出至螢幕後，可調整此設定，選擇您當地的視訊規格，以解決輸出時因制式不同畫面跳動的問題。

8. 輸入日期

可設定系統的日期時間。

9. USB

當使用USB線連接電腦時，可將主機設定為【磁碟】或【PC攝影機】。

檔案保護功能

1. 手動保護

在關鍵時刻，您可以撥動方向鍵的下鍵，螢幕左方會出現一個手掌圖示，此時的影像片段會被鎖住保存下來，而不會被循環錄影所覆蓋。

2. 重力感測保護

開啟 G-sensor 功能時，若有外力導致主機搖晃，依照所設定的靈敏度，主機會自動開始錄影並將當前正在錄影的檔案鎖住保存下來，此時螢幕左方會出現一個汽車震動的圖示，而被鎖住的檔案不會被循環錄影所覆蓋。

注意：

1. 當 G-sensor 開啟時，若主機在待機狀態下受到外力撞擊，主機會自動啟動錄影並且將該檔案鎖定保存下來。
2. 被保護的檔案，可在回放模式時透過刪除功能刪除檔案
3. 回放模式時，畫面上若出現鎖頭，表示此檔案已被保護

紅外線功能

當您在手持錄影時，您可以按方向鍵的【確定鍵】來開啟或關閉紅外線功能。在無光的環境開啟紅外線，可以透過螢幕看見原本過暗而看不見的影像。

錄音關閉功能

基於個人隱私與保密，若您不想將車上的對話錄進影片中，您可以按下錄音關閉按鈕，影片資料中將只紀錄影像而不保留聲音。

回放模式

按主機上的MODE鍵可切換到回放模式。

回放時的按鈕功能

按鍵	預覽時	播放時
選單鍵	進入選單，可進行刪除、循環播放、縮圖、音量的設定	停止播放並進入選單
確定鍵	播放影片	暫停播放
左鍵	切換到上一段影片	倒轉播放
右鍵	切換到下一段影片	正轉播放
上鍵	無作用	無作用
下鍵	檔案資訊	停止播放

錄影模式

主機一開機即為錄影模式；也可按主機上的MODE鍵切換到錄影模式。

錄影時的按鈕功能

錄音鍵	開啟/關閉錄音	開啟/關閉錄音
錄影鍵	開始錄影	停止錄影
模式鍵	切換模式	停止錄影並切換模式
選單鍵	進入選單	無作用
確定鍵	開啟紅外線	開啟紅外線
左鍵	縮小倍率	縮小倍率
右鍵	放大倍率	放大倍率
上鍵	關閉螢幕	關閉螢幕
下鍵	無作用	手動檔案保護

SD卡檔案複製

1. 透過 USB 連接線連接

可透過主機上的 USB 孔與家用電腦的 USB 連接，請準備 USB 連接線，將家用電腦與主機連線，連線後電腦會偵測到一個卸除式裝置，開啟此裝置即可瀏覽記憶卡內容。

2. 透過 SD 卡讀卡機連接

請將主機關機後取出 SD 卡，將 SD 卡插入讀卡機中，完成後電腦會偵測到一個卸除式裝置，開啟此裝置即可瀏覽記憶卡內容。

720P播放的系統需求

- 微軟Windows ® XP (Service Pack 2或更高版本)或Vista
- 3.2GHz Pentium 4或更高
- Direct X 9.0c 或更高版本
- 1GB以上的RAM
- 顯示卡至少要有256MB的RAM

相關參數

產品規格

拍照解析度	4032X3024(12M);3264X2448(8M);2560X1920(5M);2048X1536(3M); 1600X1200(2M) · 1280X960(1.3M);640X480(VGA)
錄影解析度	HD(1280X720)@30FPS,D1(720x480)@30FPS, QVGA(640X480)@30FPS,VGA(320X240)@30FPS
液晶顯示器	2.5吋TFT液晶顯示器
儲存裝置	SD卡 (最大可支援到32GB)
數位變焦	8倍數位變焦
GSENSOR	有
曝光	EV-2---EV+2
白平衡	自動/日光/陰天/燈泡光/螢光
檔案格式	JPEG /AVI
接頭類型	USB2.0/AV OUT (PAL/NTSC)
系統要求	Windows 2000/XP/VISTA/7 · Mac
電池	可充電鋰電池
工作溫度	-10~70 °C
重量	110g
尺寸	111mm*59mm*29mm

※實際規格以原廠公佈為主，如有更改，恕不另行通知

Instructions before use

Preface

This user manual will describe the usage of this product in details and at the same time provide comprehensive information including usage, operation, installation instructions and specification, etc.

Please read the manual carefully and keep it properly.

We hope our product will satisfy your need and provide you with long-term services.

Product Guarantee

This product is approved by ISO 9001:2008 International Quality Standard and certified with FCC and CE.

Our customers can use this product free of apprehension.

Copyright infringement Warning

Please note this product is for personal use only. The forms of usage should not offend or infringe international or domestic copyright laws and regulations.

All recorded videos should be for personal use only.

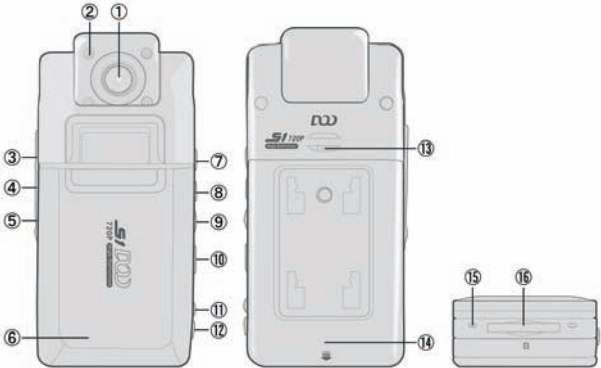
Please note that using this product for recording of occasions like shows, exhibitions or commercial activities will infringe others' copyrights or legislation rights.

Check Product Accessories

Please check whether the following accessories are present before use

1. Vehicle Power Cable (4M) x1
2. Holder x1
3. AV Video Cable x1
4. USB Cable x1
5. User Manual x1

Product Structure



Product Structure

- | | |
|-----------------------------|--------------------------------|
| 1. 180° Spinning Lens | 9. Mode Button |
| 2. Infrared Light | 10. Menu Button |
| 3. AV outlet port | 11. Power Button |
| 4. Forced Shutdown Button | 12. Direction Button/OK Button |
| 5. USB Port | 13. Speaker |
| 6. 360° TFT Spinning Screen | 14. Battery Cover |
| 7. Audio Recorder | 15. Microphone Voice Collector |
| 8. Recording Button | 16. SD Card Slot |

Installation

Holder Installation

Combine the supporting rack with the machine body.

Press the body until it completely fits into the rack.

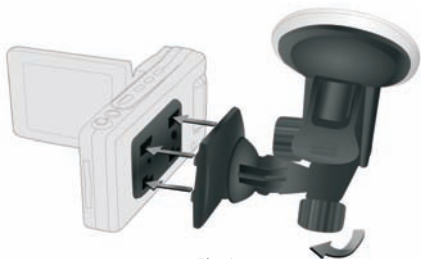


Fig.1

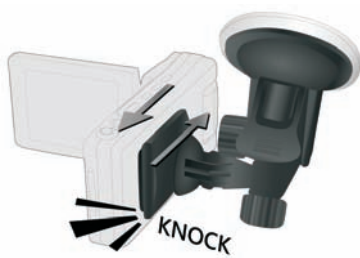
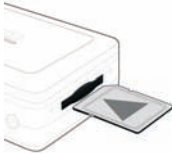


Fig.2

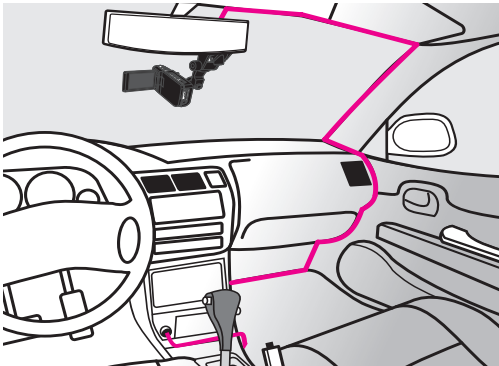
Memory Card Installation (Optional Purchase)

Install the SD card into the drive recorder in the specific direction.



Install on Your Vehicles

- Step 1 : Install the suction cup holder by having it sucked onto the windshield with the lens facing forward.
- Step 2 : Insert one end of the 4m power line into the USB slot of the drive recorder, and the other end into your car cigarette lighter.
- Step 3 : Line the leftover power line according to the image, and the installation is complete.



Charging the Battery

The battery of this drive recorder is a backup power source. Please open the battery cover and insert the battery according to the image. Merely install the drive recorder in your vehicle and whenever the car is started, the battery will be charged.

A protection circuit is installed so that the charging will stop when the battery is fully charged. It takes about 6 hours to charge the battery fully.



Turn on and Turn off

Turn ON

1. Press the power button to turn on the machine.
2. Please install the drive recorder in your vehicle as shown on previous page. Start your car after installation and if the screen of the drive recorder turns on, the installation is successful, and it will start recording automatically. If the screen does not turn on, please recheck the installation as shown on previous page.

Turn OFF

1. When the recorder is on, press the power button to turn it off.
2. When the car engine is turned off, recording stops automatically.

Recording Settings

- Stop recording and press 【MENU】 button to enter the menu.
- Press 【Up/Down】 under Direction button to change settings.
- Press 【Right】 button to enter system setting.
- Press 【OK】 of the Direction button to enter an option.
- After selecting the parameter setting, press 【OK】 again to save the changes.
- Press 【MENU】 again to exit the menu.

1. Size

Preset the resolution when recording. 【HD】 is the highest resolution.

2. EV

A higher EV value gives a brighter recording image.
Lowering the value gives a darker image.

3. White Balance

Normally select 【Auto】 to achieve the best white balance. If Auto fails to yield natural colors, change the white balance setting according to the surrounding environment.

4. Time Stamp

Through Time Stamp, you can choose whether the time and date will be displayed in your recording image.

5. Circulating

Select whether to delete old data automatically when the database is full to save new data and keep recording in process.

6. Flip screen

Rotate the image and the menu 180 degrees. You can thus install the drive recorder reversely according to your needs.

7. G-sensor

This is used to set the sensitivity of the G-sensor. When a collision takes place, it can protect the image being recorded from being overwritten by loop recording.

System setting

- Stop recording and press 【MENU】 button to enter the menu.
Press 【Right】 button to enter system setting.
- Press 【Up/Down】 buttons to change settings.
- Press 【OK】 of direction button to enter an option.
- After selecting the setting, press 【OK】 again to save the changes.
- Press 【MENU】 again to exit the menu.

1. Format

Format the SD card. Please backup necessary data before formatting.

2. Beep

Turn on or turn off the key sound.

3. Language

Multi-languages supported. Choose the language you would like your system to be in.

4. Auto Off

Set the machine to switch off automatically 1, 3, or 5 minutes after recording is stopped.

5. Sys. Reset

Reset all system settings to default.

6. Light Freq.

Choose 【50Hz】 if your national voltage is 220V and 【60Hz】 for countries with voltage 110V.

7. TV Output

After outputting the recorded image to a screen using your AV line, change this setting and adjust to your video standards to keep the image from blinking and jumping due to differences in the video standards.

8. Date Input

Set the date and time of the system

9. USB

When connected to a computer using the USB line, the machine can be set as a 【Disk Drive】 or a 【PC Cam】.

File Protection

1. Manual Protection

At critical moments you can press the Down Button and a hand icon will appear on the left side of your screen. The images recorded during this period will be saved and not overwritten by loop recording.

2. G-Sensor Protection

When G-sensor is activated, if the machine is shaken by foreign force, according to the sensibility that is set, the recorder will automatically start recording and save images recorded during this period into a locked file. A shaking car icon will appear on the left side of your screen, and the locked file will not be overwritten by loop recording.

Note :

1. When G-sensor is active, if the machine is collided by foreign force during standby, it will start up automatically, record, and save the file.
2. Locked files can be manually deleted by Delete function under playback mode.
3. Under playback mode, when a lock icon appears in the image, it means the file is protected.

Infrared Function

When recording with the recorder in hand, you can press 【OK】 button to turn the Infrared on or off. Using the Infrared in places with dim lights enables invisible things due to the darkness to be seen on the screen.

Turning Off Voice Recording

If you do not wish conversations inside your vehicle to be recorded due to personal privacy matters, press the voice recording off button. The recorded videos will contain only images without sound.

Playback Mode

Press MODE button on the machine body to switch to playback mode.

Effects of Buttons During Playback Mode

Buttons	Preview	Play
MENU	Enter MENU, and perform file deleting, loop playing, thumbnail image, and sound settings.	Stop playing and enter MENU.
OK	Play Video	Pause
Left	Switch to previous video	Play Backward
Right	Switch to next video	Play forward
Up	No effect	No effect
Down	Data information	Stop

Recording mode

The machine will be set to recording mode when turned on. It can also be switched to recording mode by pressing MODE button.

Effects of Buttons under Recording Mode

Audio Recording	Turn Audio Recording on/off	Turn audio recording on/off
Video Recording	Start Video Recording	Stop recording
Mode	Switch modes	Stop recording and switch modes
MENU	Enter MENU	No effect
Ok	Enter MENU	Turn on Infrared
Left	Zoom out	Zoom out
Right	Zoom in	Zoom in
Up	Turn off screen	Turn off screen
Down	No effect	Manual file protection

Copy Files on SD Card

1. Connect using USB line

Connect the USB port of the machine with a personal computer through a USB connecting line.. The computer will detect a removable device; open it to browse the SD card.

2. Connect by a SD Card Reader

Turn off the machine and take out the SD card. Insert the SD card into a card reader. The computer will detect a removable device; open it to browse the SD card.

System Requirements for Playing in 720P

- Microsoft Windows ® XP (Service Pack 2 or higher versions) or Vista
- 3.2GHz Pentium 4 or higher versions
- Direct X 9.0c or higher versions
- More than 1GB RAM
- Graphics card with at least 256MB RAM capability

Related Parameter

Product Specifications

Photo solution	4032X3024(12M); 3264X2448(8M); 2560X1920(5M); 2048X1536(3M); 1600X1200(2M); 1280X960(1.3M); 640X480(VGA)
Video solution	HD(1280X720)@30FPS,D1(720x480)@30FPS, QVGA(640X480)@30FPS,VGA(320X240)@30FPS
LCD Monitor	2.5" TFT LCD Monitor
Recording media	SD Card (Support up to 32GB)
Digital Zoom	8x
GSENSOR	YES
Exposure	EV-2---EV+2
White Balance	Auto/Sun/Cloudy/Lightbulb/Fluoro
File Format	JPEG /AVI
Connector Type	USB2.0/AV OUT (PAL/NTSC)
System	Windows 2000/XP/VISTA/7 · Mac
Battery	Rechargeable Lithium battery
Operating	-10~70 °C
Weight	110g
Dimensions (mm)	111mm*59mm*29mm

※ Actual specifications depend on factory announcement. No further notice will be provided in case of any change.



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