Nakamichi

ND435W
User Manual

CAR DVR HD SECURITY CAMERA

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WWW.NAKAMICHICARAUDIO.COM
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To the user:
Dear users, thank you for purchasing our products.
Please read the following instructions carefully for the first time. Thank you.

Points for attention

Before using the recorder, please format the TF card on the machine.

1. the dash cam can only be installed on the vehicle for use;
2. please do not operate this product while driving;
3. avoid using the product under abnormal temperature and store the product;
4. do not use this product in the environment of strong magnetic field or violent vibration;
5. only the power cord with official configuration can be used. The use of non-standard power cord may cause unforeseen problems;
6. The product is sold without a power adapter when it leaves the factory. The user must select a power adapter that has passed CCC certification and meets the requirements of gb8898 standard when it is actually used. The output voltage of the power adapter is 5VDC and the output current is not less than 1A;
7. It is forbidden for the user to disassemble or replace the battery without permission. If the battery has to be replaced, please contact the dealer or manufacturer of the product. Only professionals are allowed to replace the battery with the same type or equivalent type. The battery (battery pack or combination battery) shall not be exposed to the sun, baking or similar overheated environment;
8. Warning: in the living environment, running this equipment may cause radio interference.

Disclaimers

In particular, users are reminded to carefully read and fully understand the terms of this statement before using this system. If you use this system, you will be deemed to be bound by the following terms of this statement and bear the consequences caused by non-standard use.

1. This product is used as a driving aid product. If it relies too much on this system, it may cause traffic accidents;
2. Due to the large angle of view of the camera, the image display of this product is different from the real environment. Please use it carefully;
3. Do not operate the system at high speed to avoid traffic accidents caused by distraction;

4. Do not replace the special parts of the product without the guidance of professional personnel, otherwise the machine will be damaged;
5. Do not expose the product to wet environment and water to avoid electric shock due to short circuit, and avoid damage and fire alarm;
6. The output voltage of the host of this product to the outside is 5V. Do not use external power on this host;
7. Illegal power failure in the video will cause damage or loss of the last video file;
8. Damage or loss of video due to destructive collision of the machine during video recording;
9. The memory card needs to use 120mb/s high-speed brand memory card. The quality of the memory card determines the video quality and the stability guarantee of the video storage system. The non brand memory card is easy to cause a lack of merchants.

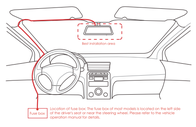
Installation guide

1 . Turn off the car engine;

2. Find a proper position on the vehicle and install the recorder. The installation position should not affect the driving, and then wipe the glass at the installation position;
3. Adjust the lens position to ensure that the lens is level with the ground;
4. The connection of the power-on version of the fuse box (with 12V to 5V step-down line) corresponds interface B+, ACC GND, another USB interface connected to the main USB interface;

Note:
① B+yellow line, connected to DC-12V power supply, which is always powered on;
② The ACC red line is connected to the DC-12V power supply of the ignition control. The power supply is powered on when the ignition is turned on and off;
③ GND black wire, connect the ground wire in the car fuse box.

5. Start the engine and check whether the machine has been installed correctly and whether the video recording function is normal.



Description of the appearance and function of the keys

Function Description
1.Mode selection key/playback key;
Short press this key to enter menu settings, long press to switch between camera/playback;

2.WLAN/Flip Up;
A:Turn on/Turn off;
B:The menu interface is a scroll up button;

3.Switching/power switch;
Short press to swith between front and rear video screens, long press to turn on/off;

4.Microphone/scroll down button;
A:Turn on/off recording;
B:The menu interface is a scroll down button;

5.Lock/OK key;
A:Lock/Unlock;
B:The menu interface is set to the OK key;

6.TF card slot;
For storage card insertion;

7.AV-IN rear pull camera interface;
Used to connect the rear camera

8.USB data interface;
USB data interface for connecting PC to transmit data;
Used to connect external power sources to supply power to equipment;

9.Front camera lens;
Take a front image of the car;

10.LCD screen;
Image display screen;

Function Introduction

1.resolution:4K-3840x2144p/2K-2560x1440p/1080p-1920x1080p;
Choose a video recording resolution. The higher the resolution, the better the recording effect, and the larger the video file;
2.Recording duration: off/1 minute/2 minutes/3 minutes;
The dash cam will set the time as a cycle record video;
3.Collision sensitivity: off/high/medium/low;
Under normal operation of the dash cam, when the vehicle body vibrates due to a collision, the gravity sensor of the dash cam will sense the change in gravitational acceleration, and automatically lock and save the captured video. In the locked state, it cannot be deleted and will not be overwritten in a circular manner;

4.Parking monitoring: off/on;
After the vehicle stalls, the recorder shuts down. After being hit by external forces and triggering parking monitoring, the driving recorder automatically turns on, records a video, and locks the video;
5.Reduced time recording: off/1 frame/second : 2 frames/second : 5 frames/second;
It adopts a recording method of recording videos every second, which compresses the longer recording time and shortens it. The advantage of this is that it not only saves the integrity of the video, but also greatly saves the storage space of the memory card;
6.Reduced time recording duration: off/8 hours/6 hours/24 hours;
Set it to 8 hours, which means that the recording time for reduced time video recording is 8 hours. After 8 hours, the device shuts down;
7.Language settings: Simplified Chinese/Traditional Chinese;
Set the language and text for the needed country;
8.WLAN:Off/On;
9.Rear pull Mirror: Off/On;
Mirroring the backward image;
10.Screen brightness;
Set screen brightness in different environments for better viewing of the screen;
11.Screen saver: off/1 minute/3 minute/5 minute;
After activating this function, the recording machine will turn off the screen backlight within the set time, and the machine recording function will be normal;
12.Recording: Off/On;
Turn on video with recording function, turn off to silence the video;
13.Button tone: Off/On;
Button sound selection, turn off button clicking without sound;
14.Exposure Compensation: -3/+2/+1/0/-1/-2/-3;
Used to adjust the brightness of the light entering. When the exposure is too high, it will cause the license plate to be too bright to be recognized. It is recommended to choose 0:

15.White balance (AWB):
automatic/daylight/cloudy/tungsten filament/fluorescent;
Used to adjust white balance parameters. It is usually recommended to choose automatic, depending on the environment;
16.Light source frequency: 50HZ/60HZ;
Frequency variation of different light sources on the screen;
17.Automatic shutdown: 1 minute, 3 minutes, 5 minutes off;
Automatically shut down the recorder when it is in standby mode and there is no operation at the selected time;
18.Date/Time: Year/Month/Day/Hour/Minute/Second;
Select the input date and time for system display and video playback;
19.Format: Off/On;
Clear all contents of the SD card and format the storage card (recommended to format once every 15 days).
When there are too many locked videos, the storage card is full and used to delete the recorded content in the card at once;
20.Default setting: Cancel/Confirm;
When the settings are incorrect, you can choose the default factory settings;
21.version;
Display the current software version information of the device;

Product specifications

Front camera lens	4K, 2K, 1080p
Rear camera	AHD 1080P (optional)
LCD screen	3.0 inch IPS screen
Recording format	Pre recording:TS
Video compression format	Pre recording: H.265 Post recording: H.265
language	Chinese/English/ Traditional, see the machine for details
Parking monitoring	On/Off (default on)
G-sensor	Multi axis gravity sensing, supporting high/medium/low sensitivity (default medium)

WLAN	support
power interface	USB2.0 5V
Work status light	Blue and red lights (work indicator light, charging indicator light)
storage capacity	Built in: None External: TF card class10 or above (up to 128G)
horn	8 Ω/0.8W, horn with wire, rear welding
Battery	RTC button time memory

Mobile Internet

APP download and installation

a.Enter the phone settings and find the machine WLAN name: Nakamichi-xxxx;
b.Enter the password.The password is 1234567890;
c.Open the downloaded APP and click to enter;
d.App can view image preview, download images and share images;
e. Some function settings can be completed on the mobile phone, and some settings can be completed on the host computer;
f. Different mobile phones have different versions. If abnormal, please disconnect and reconnect.

Warm reminder

The 24-hour parking monitoring uses the vehicle battery power supply, which will consume a certain amount of battery power. If the vehicle battery exceeds one and a half years or the parking monitoring There are some concerns about controlling the battery power consumption. Please turn off the video parking monitoring function.

Description of video recording

1.Under 12V voltage, the default setting for time-lapse recording is off, turn off the car engine, the recorder normal shutdown. Set time-lapse recording to On, turn off the car engine, the recorder automatically enters the 24-hour monitoring time-lapse recording screen saver state, the video file is one frame per second, when the card is close to full, the recorder automatically deletes the old file, cyclic coverage of the video, without missing frames and seconds; after the car is restarted, the recorder lights up the screen and enters the regular recording. The length of each time-lapse recording is the same as the loop recording length set in the menu, one minute records 30 minutes of video under normal time, three minutes records 3x30 minutes of video under normal time, and so on.
2.Low power protection.
After the car is switched off at low power (11.6~11.8V), the machine shuts down normally and enters the low power protection state. After the car is restarted, the machine turns on and enters regular recording.
3. Technical support.
If you encounter any problems during use and installation, contact department of our technical personnel.
4. Thank you for your purchase. If you have any suggestions for improvement, please contact us. Thank you.

Warm reminder

FAQs:
Q1:the initial password of the recorder is 12345678. If you forget the password after changing it, please contact the manufacturer after-sales and need to re burn the software to restore the factory settings.
Q2: Why format the memory card? How often is it formatted? A: regular formatting can effectively prevent data loss.
Under normal use, it is recommended to format it regularly every month. Before formatting, please back up all data.
Q3 How to format a memory card?
Answer: in the host setting menu, click format to confirm that the format is completed.

Nakamichi

production configuration

Recorder host

Rear camera Rear camera cable Step-down line

3M fixing adhesive

instructions

Note: Please refer to the actual appearance of the accessories for accuracy!

致用戶：
親愛的用戶朋友，感謝您選購本公司產品，首次使用請仔細閱讀以下說明，謝謝。

注意事項

記錄儀使用前,請將TF卡在本機上格式化。

1.記錄儀僅限安裝在車上使用；
2.行駛時請不要操作本產品或使用輔助駕駛系統APP；
3.避免在異常溫度下使用，存放本產品；
4.請勿在強磁場或劇烈震動的環境中使用本產品；
5.僅限官方配置的電源線，使用非標配的電源線可能會引起無法預見的問題；
6.產品出廠時不配電源適配器銷售，用戶實際使用時必須選用通過CCC認證並滿足GB8898標準要求的電源適配器，電源適配器輸出電壓5Vdc，輸出電流不低於1A；
7.禁止用戶私自拆卸或更換電池等操作，如果電池更換不當會有爆炸危險，如果必須更換電池，請聯系本產品的經銷商或者製造商，並只允許專業人員采用同樣類型或等效類型的電池來更換，電池（電池包或組合電池）不得暴露在諸如日照，或烤或類似過熱環境中；
8.警告：在居住環境中，運行此設備可能會造成無線電幹擾。

免責聲明

在此特別提醒用戶，在使用本系統前請認真閱讀，充分理解本聲明中各項條款，如果您使用本系統，將被視為認可接受本聲明以下各項條款的約束，同時承擔由於不規範使用引發的後果。

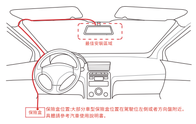
1.本產品屬於駕駛輔助性產品，如過分依賴本系統，可能造成交通事故；
2.設備像頭視角較大，本產品的圖像顯示與真實環境有一定的差異，請小心使用；
3.高速駕駛時不要操作本系統以免因註意力分散導致交通事故
4.在沒有專業人員的指導下，切勿私自更換產品零部件，否則會導致本機損壞；
5.禁止將本產品置於淋漓的環境和水中，以免因短路引起觸電，不必要的損壞和火警發生；
6.本產品主機對外輸出的電壓為5V,請勿使用外部電源在此主機上使用；
7.錄像中非法斷電，會導致最後一個視頻檔案損壞或者丟失；
8.錄像過程中機器遭受破壞性碰撞導致錄像的視頻損壞或丟失；
9.內存卡需要使用120MB/S高速品牌內存卡,內存卡的品質決定錄像品質及錄像存儲穩定性保障，雜牌內存卡容易造成視頻不保存。

安裝指南

1.關閉汽車發動機；
2.在車上找到適當的位置，安裝記錄儀。安裝位置以不影響駕駛為宜，然後把安裝位置的玻璃擦拭幹淨；
3.調整鏡頭位置，確保鏡頭與地面保持水平；
4.保險盒取電版本（帶 12V 轉 5V 降壓線）連接對應的接口 B＋, ACC, GND，另外一頭USB接口連接主機 USB 接口；

註：①B+黃線，連接到DC-12V電源上，該電源始終處於通電狀態；
②ACC紅線，連接到點火控制DC-12V電源上，該電源打火通電，熄火斷電；
③GND黑線，連接汽車保險盒內地線。

5.發動引擎，檢查機器是否已安裝正確，錄像功能是否正常。



產品外觀及按鍵

功能說明
1.模式MODE選擇鍵/回放鍵；
短按此鍵進入菜單設置，長按在攝像/回放之間相互切換；
2.WLAN/上翻；
A:打開/關閉； B:菜單界面為上翻鍵；
3.切換/電源開關；
短按切換前後視頻畫面，長按關閉機；
4.麥克風/下翻鍵；
A:打開/關閉錄音； B:菜單界面為下翻鍵；

5.加鎖/OK鍵；
A:加鎖/解鎖； B:菜單界面為OK鍵；
6.TF卡槽TF;
用於儲存卡插入；
7.AV-IN後拉攝像頭接口;
用於連接後拉攝像頭；
8.USB數據接口;
USB數據接口，用於連接PC傳輸數據；用於連接外接電源給設備供電；
9.前攝鏡頭;
拍攝車前影像；
10.LCD屏;
圖像顯示屏；

功能介紹

1.分辨率:4K-3840x2144p/2K-2560x1440p/1080p-1920x1080p;
選擇錄像視頻分辨率，分辨率越高，錄製效果越好，視頻文件越大；
2.錄像時長:關/1分鐘/2分鐘/3分鐘;
行車記錄儀會以設置時間為一個循環視頻進行錄像工作；
3.碰撞靈敏度:關/高/中/低;
在行車記錄儀正常工作的情況下，當車身因為出現碰撞而產生震動時，行車記錄儀重力傳感器會感知重力加速度變化,從而自動將該段拍攝視頻進行加鎖保存，且加鎖狀態下不能刪除,也不會循環覆蓋；

4.停車監控:關/開;
車輛熄火後,記錄儀關機,受到外力碰撞後觸發車停監控後,行車記錄儀自動開機,錄製一段視頻,並對該視頻加鎖；
5.縮時錄影:關/1秒/秒 -2秒/秒-5秒/秒;
它采用的是一秒一張的錄製方式錄製視頻,它是一種將較長的錄影時間壓縮顯現的拍攝技術,這樣的好處是不僅保存了視頻的完整性,而且還大大節省了內存卡的存儲空間;
6.縮時錄影時長:關/8小時/6小時/24小時;
設置為8小時,也就是縮時錄影錄影時長為8小時,8小時後設備關機;
7.語言設置:簡體中文/繁體中文;
設置所需國家的語言文字;
8.WLAN:關/開;
9.後拉鏡像:關/開;
對後拉影像做鏡像處理;
10.屏幕度;
不同環境下設置屏幕亮度,以便更好觀看屏幕;
11.屏幕保護:關/1分鐘/3分鐘/5分鐘;
啟此功能後錄像機會在設置時間內關閉屏幕背光,機器錄像功能正常;
12.錄音:關/開;
開啟視頻有錄音功能,關閉則視頻無聲;
13.按鍵音:關/開;
按鍵聲音選擇,關閉點擊按键沒有聲音;
14.曝光補償:+3/+2/+1/0/-1/-2/-3;
用於調整光線進入的明暗,當曝光太高會造成太亮無法識別車牌,建議選擇0;
15.白平衡(AWB):自動/日光/陰天/鎢絲燈/熒光燈;
用於調整白平衡參數,通常建議選自動,視所處環境而定;
16.光源頻率:50HZ/60HZ;
屏幕不同光源頻率變化;
17.自動關機:關/1分鐘/3分鐘/5分鐘;
當記錄儀處於待機狀態,且在所選時間無任何操作時自動關機;
18.日期/時間:年/月/日/時/分/秒;
選擇輸入日期時間,用於系統顯示時間與視頻回放;
19.格式化:關/開;
清空SD卡所有內容,儲存卡格式化(建議在15天左右格式化一次)當被錄視頻過多時儲存卡滿後用於一次性刪除卡內錄像內容;

20.默認設置:取消/確認;
當設置出現錯亂時可以選擇默認出廠設置;
21.版本;
顯示設備當前軟件版本信息;

產品規格

前攝鏡頭	4K, 2K, 1080p
後攝像頭	AHD 1080P (選配)
液晶屏	3寸 IPS屏
錄像格式	前錄:TS
視頻壓縮格式	前錄:H.265 後錄:H.265
語言	中文/英文/繁體, 詳見機器
停車監控	打開/關閉 (默認打開)
G-sensor	多軸重力感應, 支持高/中/低三種靈敏度 (默認中)
WLAN	支持
電源接口	USB2.0 5V
工作狀態燈	藍燈和紅燈 (工作指示燈、充電指示燈)
存儲容量	內置: 無 外置:TF卡 class10以上 (最高128G)
喇叭	8Ω/0.8W, 喇叭帶線, 後焊
電池	RTC經扣時間記憶

手機互聯

APP下載与安装

a:進入手機設置，找到機器WLAN名稱:Nakamichi-xxxx;
b:輸入密碼,密碼為1234567890;
c:打開下載好的APP,點擊進入;
d:App可以查看圖像預覽,下載圖像,分享圖像;

溫馨提醒

24小時停車監控采用的是車輛電瓶供電，會消耗電瓶一定電量，如果車身電瓶超過一年半以上或者對停車監控消耗電瓶電量有一定顧慮，請關閉縮時錄像停車監控功能。

縮時錄像工作說明

1.在12V電壓下,縮時錄像默認設置為關,關閉汽車發動機,記錄儀正常開機,設置縮時錄像為開,關閉汽車發動機,記錄儀自動進入24小時監控縮時錄影屏保狀態,錄像文件為一秒一張,接近卡滿時,記錄儀自動刪除舊文件,循環覆蓋錄像,不漏幀、漏秒;
汽車重新發動後,記錄儀亮屏並進入常規錄影,每段縮時錄影時長與菜單設置的循環錄影時長一致,一分鐘記錄正常時間下30分鐘的視頻,三分鐘記錄正常時間下3×30分鐘的視頻,以此類推;
2.低電保護;
汽車熄火後在低電(11.6~11.8V)情況下,機器正常開機,進入低電保護狀態,汽車重新發動後,機器開機進進入常規錄影;
3.技術支持;
如果您在使用以及安裝過程中有遇到任何問題,第一時間聯系我司技術人員;
4.感謝您的選購,如果您對產品有任何改進建議,聯系我司,謝謝。

溫馨提示

常見問題解答:
Q1:為什麼要格式化內存卡?多久格式化一次?
答:定期格式化能有效防止數據丟失正常使用情況下,建議每個月定期格式化一次,格式化前請先將所有數據備份;
Q2:如何格式化內存卡?
答:在主機設置菜單,格式化選項,點擊格式化,確認格式化完成。

Nakamichi

產品配置

記錄儀主機

後攝像頭 後拉線 降壓線

3M固定膠

說明書

註:實際配件外觀,請以實物為準!