

日産純正部品



dashcam

operating instructions

Nissan Genuine
Parts Drive Recorder
PART No.
G20A0-C9980

Please read this before use.

Dashcam Function Guide

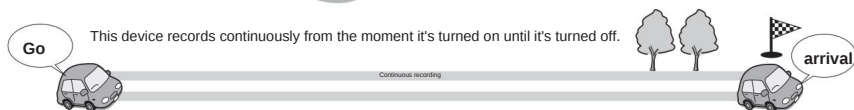
This device saves recorded data to the included microSD card. Please be sure to insert the microSD card before use.

P.13

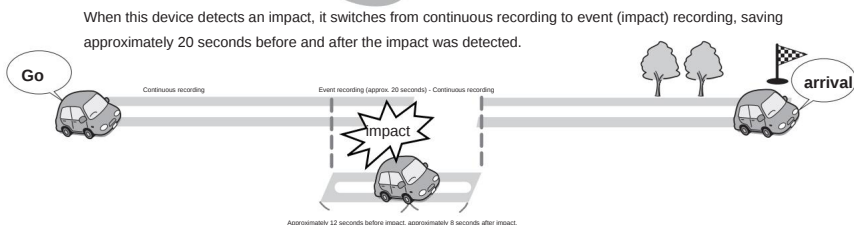
Regarding the

recording function: This unit can record video while it is in operation (when the unit is powered on) (continuous recording). Furthermore, it can record video before, during, or after a major impact to the vehicle while driving or parked (event (impact) recording / parking recording mode).

Continuous recording mode **P.15**

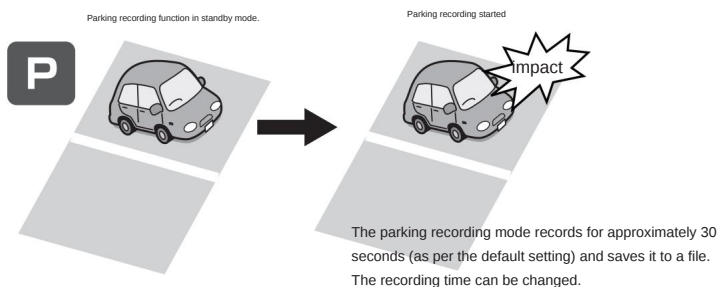


Event (impact) recording mode **P.15**



Parking recording mode **P.18**

When you park your car in a parking lot or similar location and turn off the ignition switch, it enters parking recording mode, and starts recording when it detects an impact to the vehicle*.

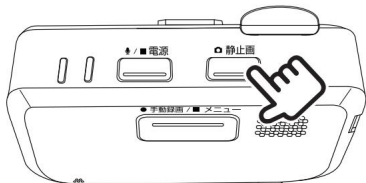


*If an impact occurs during the set start time for disembarking, recording will not be possible.

γ Other recording functions

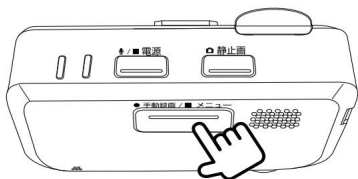
Still image recording: By pressing the still image button on this device, you can record the video being shot as a still image.

P.16



Manual Recording: You can manually record video by pressing the manual recording button on this device.

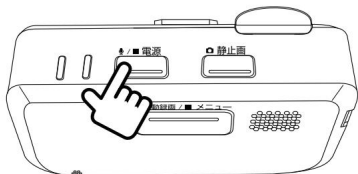
P.16



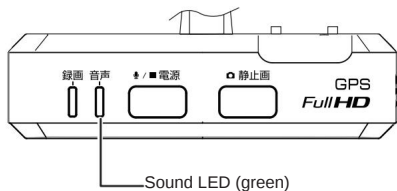
γ Setting the microphone audio settings for recording

This setting determines whether or not microphone audio is recorded during video recording. It is set to "OFF" by default.

Press the "Power" button.

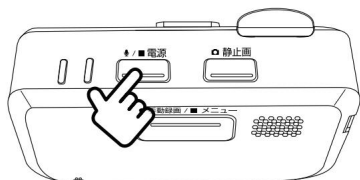


Each press switches between "ON" and "OFF". When set to "ON", the sound LED lights up (green).



Turning off only the power to this

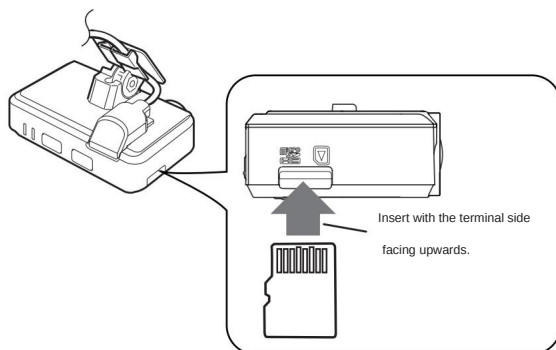
unit You can turn off only the power to this unit while the vehicle engine is running. Also, if you manually turn off the power, the parking recording function will be turned off until you next turn the vehicle's key switch to "ACC" or "ON". Press and hold the "Power" button for more than 1 second when the vehicle's key switch is in the "ACC" or "ON" position.



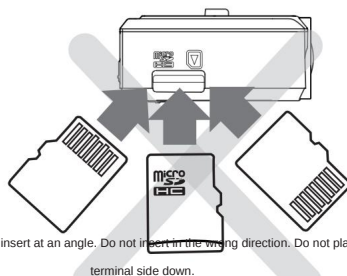
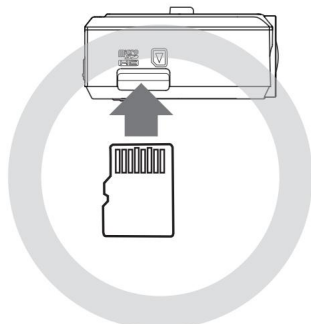
Press and hold the power button again for more than one second to turn it on.

Inserting the memory card 1.

Turn the vehicle's key switch to "OFF" and turn off the power of this unit. 2. Insert the included memory card with the terminal side facing up.



Precautions when inserting a memory card



Do not insert at an angle. Do not insert in the wrong direction. Do not place the terminal side down.

Remove the memory card

1. Turn the vehicle's ignition switch to "OFF" to turn off the power to this unit.
2. Press the memory card button, and when the memory card pops out slightly, pull it out.

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For safe and correct use

This instruction manual includes the following warnings to ensure the safe and correct use of the product and to prevent harm to yourself and others, as well as damage to property. Please read the main text only after carefully understanding these warnings and their contents.



Failure to comply with the instructions may result in serious injury, accidents, vehicle fires, or, in the worst case, death.



Failure to comply with the instructions may result in injury.



Failure to comply with the instructions may result in malfunctions or damage to the vehicle or its equipment.



- This unit should not be used in vehicles other than those with a DC12V negative ground connection.

This may cause fire or malfunction. Do not use in vehicles other than DC12V vehicles with negative ground.

- Do not allow water or foreign objects to enter the inside of the device.

If metal objects or flammable materials get into the device, it may cause malfunctions, short circuits, fires, smoke, ignition, or electric shocks. Please be careful not to spill drinks or other liquids on the device.

- Do not use if it is malfunctioning or in an abnormal condition.

If images cannot be recorded, there is no sound, foreign objects are inside, water has gotten on it, smoke is coming out, or there are unusual noises or smells, stop using it immediately. This may cause accidents, fires, or electric shocks. •

Drivers should not operate the device or stare at the display while driving. Always

stop the vehicle in a safe place and use the device with the parking brake engaged. This may cause traffic accidents. • **Do not touch the device or**

camera when thunder is rumbling.

This can cause electric shock due to lightning

strikes. • **Never install or wire in a location that could interfere with the operation of the airbag.**

If installing in a vehicle equipped with airbags, please check the installation precautions with the dealer where you purchased the product. Failure to do so may cause the airbag to malfunction and result in a

fatal accident. • **Never install in locations that obstruct forward visibility or driving operation, or in locations that endanger passengers.**

This can

lead to traffic accidents and injuries.

- **Never use bolts or nuts from safety components for installation.**

This can cause traffic accidents and injuries.

- **Always use fuses of the specified capacity, and always have them replaced by the store where you purchased the product.**

Using a fuse with a capacity exceeding the specified limit can cause fire or malfunction.

- **If any abnormalities occur, immediately stop using the product and be sure to consult the store where you purchased it.**

Using it as is may cause unexpected accidents, fires, or electric shocks. • **Do not**

disassemble, repair, or modify it.

Never disassemble, repair, modify, or cut the insulation of the cord to power other devices. This may cause fire, electric shock, or malfunction. • **Do not block the ventilation**

holes or heat sinks of the device.

Heat can build up inside the device, potentially causing fire or malfunction. • **Do not use**

this device for purposes other than in-vehicle use.

This can cause smoke, fire, electric shock, or injury.

- **Do not put your hands or fingers into the microSD memory**

card slot, as this may

cause injury. • **Keep microSD memory cards out of reach of children**.

If accidentally swallowed, it can cause choking and lead to serious injury. In the worst case, it may even lead to death.

- **Do not drive dangerously.**

Do not intentionally drive dangerously to test whether this device can detect impacts. • **Handle the cord with**

care.

Do not damage the cord, pull it forcefully, bend it, twist it, modify it, place heavy objects on it, or bring it near heating equipment. This may cause disconnection or short circuits, leading to fire, electric shock, or malfunction.



- Please use the microSD memory card included with this device or an original microSD memory card. Non-genuine parts may not function correctly.

- Do not save any data other than that recorded by this device to the microSD memory card. This may result in incorrect recording of video and images. • When replacing

the vehicle registration sticker, do not place the sticker within the camera's field of view.

Please do so.

- This device is intended to record the circumstances of dangerous driving. It is not intended for pranks or other purposes. Do not use it.

- Do not subject this unit to strong force, shocks, or drops. • This may cause fire or malfunction. • This unit may become

hot if exposed to direct sunlight, potentially causing burns. • When cleaning the windshield,

do not pull the unit's mounting brackets or camera cords forcefully. If the unit's mounting brackets come loose, please contact the company where you purchased the unit.

- Do not spray cleaners, water, or other liquids onto this unit. • For safety reasons,

always contact the sales company from which you purchased the unit if you wish to change the installation location of this unit. Installation, wiring, and removal require specialized skills and experience. Incorrect installation, wiring, or removal may cause serious damage to the vehicle. Also, installation and wiring by the customer may cause injury. • Disconnect

the negative terminal of the battery before starting work. Short circuits between the positive and negative terminals may cause electric

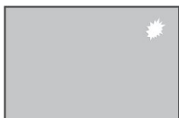
shock or injury. • This unit is a device that records video continuously, but it does not record video in all situations.

We do not guarantee that the recording will be completed.

Regarding installation on the windshield, in accordance with Ministry of Transport Notification No. 820, which is based on Article 29, Paragraph 4, Item 7 of the Road Transport Vehicle Safety Standards issued on December 27, 1999 (as designated by the Minister of Land, Infrastructure, Transport and Tourism or the Director of the Regional Transport Bureau), this product is confirmed to be compliant with safety standards and meets the standards for vehicle inspection when installed in the said location. This product complies with safety standards only when installed correctly according to the Nissan genuine parts installation manual. Compliance is not guaranteed if the product is installed in a manner other than those instructed in the installation manual, or if other modifications are made.

Precautions for use

- Using the device in extremely high or low temperatures may cause malfunctions or failures. During the summer, the inside of a vehicle can become very hot, so please lower the temperature inside the vehicle by opening the windows before use.
- Do not place reflective objects near the camera lens. •• If a coating agent is used on the car's windshield, it may affect the recording quality. •• Due to the characteristics of the camera lens, people and obstacles that appear on the screen may differ from their actual position and distance. It can be seen.
- Do not damage the cord. Damage can allow moisture or water to be drawn into the camera, causing malfunction, fire, or electric shock. •• If there are water droplets or dirt on the windshield, the captured image may be difficult to see.
- When high-brightness subjects such as sunlight or headlights are captured by the camera, a blooming phenomenon (*) unique to the image sensor may occur, or the center of the light source may appear black. • This is not a malfunction of the camera.



(*) Blooming phenomenon: When a high-luminosity subject (such as the sun or headlights) is captured by a camera, white saturation occurs around the light source.

- When adjusting the rearview mirror or sun visor, there is a possibility of hitting the dashcam. Please be aware of this.
- Regularly check the date, time, and location information of this device. If the date and time are incorrect or the location information does not change, please contact the store where you purchased the device. •• When inserting or removing a microSD memory card, make sure the device is powered off (LED is off). Inserting or removing a microSD memory card while the device is operating may damage the microSD memory card.
- While accessing data on the microSD memory card (while the LED is lit), absolutely do not do this. Do not remove the microSD memory card. Doing so may not only damage the microSD memory card but also cause the device to malfunction.
- In the following cases, video recording due to impact detection may not be possible: - If a microSD memory card is not inserted into this device - If normal recording or reading is not possible due to damage, malfunction, or end of life of the microSD memory card. If this is not possible: - If the microSD memory card is removed from the device - If a microSD memory card other than the one included with the device or the genuine product is used - If old recorded footage is erased (overwritten) by new recording - If the device and microSD memory card are damaged due to an accident or water damage - If the power cord between the battery and the device is severed due to an accident, or, If the battery is damaged • In the following cases, video may not be saved due to impact detection: - If the impact is weak and does not meet the sensor sensitivity set for detection by this device - If there is a problem with the mounting of this device, such as the main unit not being properly secured

- Damages incurred if video is not recorded or if the recorded file is corrupted,
We assume no responsibility whatsoever for any malfunction of this device or for any damage caused by the use of this device.
- This device is a product intended to be useful in investigating accidents, but its effectiveness as evidence is limited.
This does not guarantee that...
- Please be aware that depending on the purpose and method of use, the video footage recorded with this device may infringe upon the privacy and other rights of the subjects. Also, please do not use this device for pranks or other malicious purposes. We will not be held responsible in any way in these cases.
- This device is designed to record video, but it does not guarantee that the signal status will always be visible. If the signal cannot be seen due to environmental factors, please make your judgment based on the surrounding video footage and the condition of other vehicles. We assume no responsibility whatsoever for any issues arising from the inability to see the signal.
- At night, the navigation screen, and during the day, sunlight reflecting off the dashboard, etc., may be reflected on the glass and remain in the image. Also, the image quality may change depending on the external environment. • The black print on the windshield, the mirror base, etc. may be reflected and remain in the image.
Yes.
- This device is a continuous recording type video recorder. When the microSD memory card is full, it will erase the oldest footage and record (overwrite) new footage. If data is needed due to an accident or other reason, immediately turn off the vehicle's key switch (turn off ACC), remove the microSD memory card, and save the necessary data to a computer. • LED traffic lights blink at a speed invisible to the naked eye, so when you record them with this device, the blinking will appear.
In some cases, the footage may be captured in this way. If the traffic light is not visible, please judge from the surrounding footage and the situation of other vehicles. We are not responsible for any issues regarding the absence of LED traffic lights in the footage.
- If you disconnect the vehicle's battery, the clock on this device may not display correctly. The correct time will be displayed from the next time you start the device after receiving GPS information. After disconnecting the battery, please check the file name and location information of the recorded video to confirm whether GPS information was received.
- microSD memory cards cannot retain data indefinitely. •
Please back up important recorded data by copying it to your computer. • The unit may become hot when used within the operating temperature range. This is simply due to the unit's operation and is not a malfunction. Using the unit in an environment outside the operating temperature range may cause malfunction, so please use it within the operating temperature range. • When we inspect or repair your vehicle at the dealership, we will protect your recorded data. Therefore, we may stop recording on this device.

Maintenance of

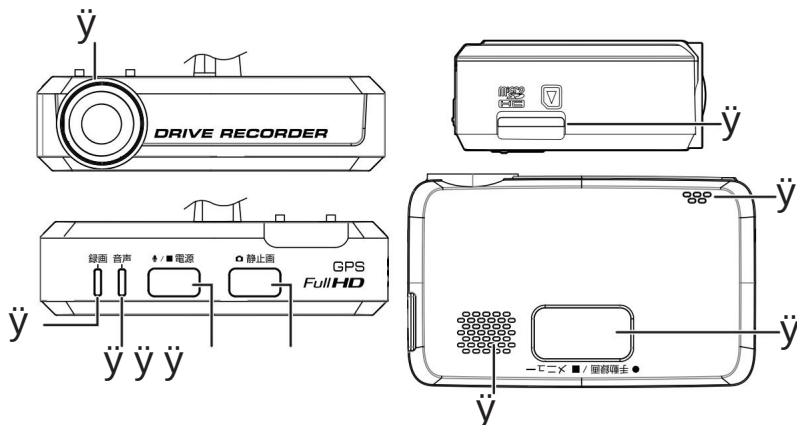
this device : When this device gets dirty, wipe it with a silicone cloth or a soft cloth. Wiping it with a hard cloth or volatile substances such as paint thinner or alcohol may cause scratches, deformation, deterioration, or damage.

- If the lens is dirty, gently wipe it with a soft cloth dampened with water.
Rubbing too hard with a cloth may cause scratches.

If you notice any abnormalities with

this device , first refer to the "Frequently Asked Questions" on page 42 to see if there is a solution. If you cannot find a solution, please contact the store where you purchased the device.

Names and functions of each part



1 Camera

2 Recording LED:

Lights up (blue) during recording.

3 The voice LED

lights up (green) when voice recording is set to ON.

4 Power button -

Each press toggles between recording audio and not recording audio.

- Press and hold for more than 1 second while the device is off to turn it on. Press and hold for more than 1 second while the device is on to turn it off. File

playback in progress *:

- Press to play the previous file. - Press and hold to rewind. File playback paused *:

Press and hold to play in reverse slow motion.

Menu displayed *: Move to the previous item.

5 Still Image Button:

During

recording: Captures and records a

still image. During file playback *:

- Press to play the next file. - Press and hold to fast forward. File playback paused *:

Press and hold to play in slow motion.

Menu displayed *: Moves to the next item.

6 Micro memory card (hereinafter referred to as memory card) slot 7 Microphone

Records

audio during video recording. The microphone is built into the main unit.

8 Manual Recording / Menu Button - Press

to start manual recording. - Press and hold for approximately 3 seconds to display the settings menu. *During

File Playback*: - Pauses playback. Press again.

And playback will resume.

- Press and hold for approximately 1 second to display the playback menu. -

Press and hold for approximately 3 seconds to return to recording. Menu displayed

*: - Confirms the item. - Press

and hold for approximately 3 seconds to return to recording.

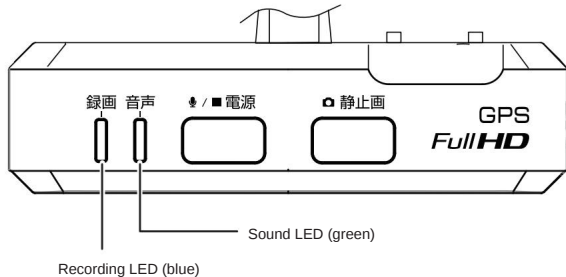
9 Speaker: Outputs

voice guidance, notification sounds, and audio from files.

*: When connected to a Nissan original navigation system (dealer option), you can operate the dashcam using the buttons on the screen while viewing the screen.

LED/Audible notification

The device's status is indicated by LEDs, voice prompts, and notification sounds.



Normal notifications / Parking recording

condition	notification sound	LED	
		Recording (blue)	Audio (green)
Start continuous recording	Pikon (y)	Light up	.
Recording is always stopped.	Pikon (y)	Lights off	.
Manual recording start: *Beep* (y) Event (impact) recording start:		Light up	.
Piro-rin (y) Still image recording Menu cursor advance		Light up	.
	Click	.	.
	Beep,	.	.
menu item selected,	beep,	.	.
parking recording started, beep (up), parking recording stopped,		On/Off	.
beep (down), unable to record due to file limit, thud, thud, thud,			.
audio recording ON, audio recording OFF		.	.
	Pfft	.	Light up
	Beep	.	Lights off
ACC ON / Parking recording detection	boop	.	.

Error Notification

Voice guidance / Warning message	Abnormal condition
No SD card (After the guidance is given when the power is turned on, 3 minutes later) (We will provide guidance again.)	There is no SD card inserted.
The SD card needs to be initialized.	The SD card is invalid or formatted. do not have.
SD card error.	SD card malfunction or not recognized (note) A Leak card is inserted.
Recording has been stopped.	Recording stopped due to an anomaly detection.

電源のオン/オフ

To turn on the

power, turn the vehicle's ignition switch to "ACC" or "ON" to power on this unit. Once powered on, the recording LED (blue) will light up and continuous recording will begin.

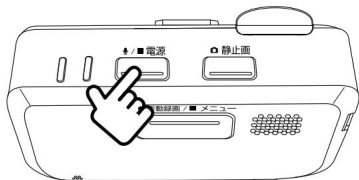
Turning the vehicle's

ignition switch to "OFF" will turn off the power to this unit and put it into parking recording mode.

You can turn off only the power **to this unit**

while the vehicle engine is still running. Also, if you manually turn off the power, the parking recording function will be disabled until you next turn the vehicle's ignition switch to "ACC" or "ON". To do this, press and hold the "Power" button for more than 1 second while the vehicle's ignition

switch is in the "ACC" or "ON" position.



How to turn on the power manually

Press and hold the "Power" button for more than 1 second.

Recording will begin automatically once the power is turned on.

Regarding the backup power supply of this

device : This device has a built-in backup power supply in case the power supply is cut off due to the impact of an accident. Since the backup power supply is rechargeable, the backup time may be shorter immediately after power-on or in low temperatures. The backup power supply will record the video footage before the power was cut off, but this does not guarantee that it will always record.

本機の日付と時刻について

The date and time of this device are reflected in the filenames of video and photo files. (P.19) The time of recording is also displayed on the playback screen. The date and time are set automatically when GPS is received.

notice

- In the following cases, the date and time will not be displayed until GPS is received:
 - When you first turn on the device after purchase
 - When you disconnect the car battery
- If the device is stored for an extended period in an environment where GPS reception is unavailable, the time may become inaccurate.

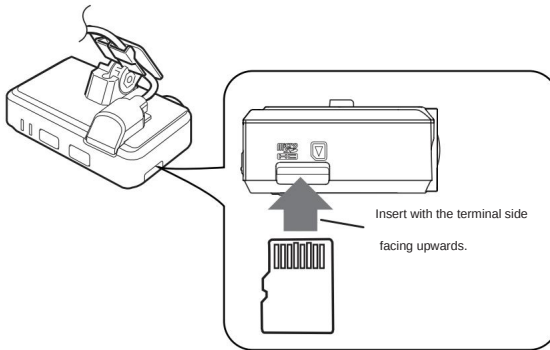
Remove/insert memory card

Notice : •

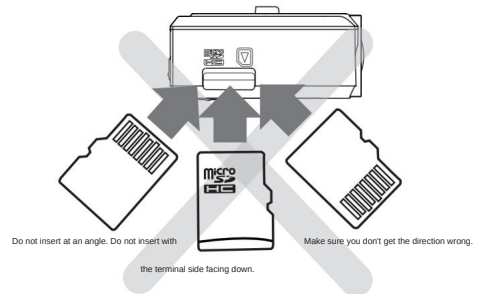
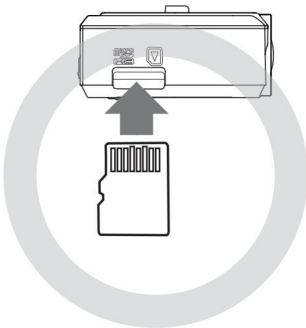
When removing the memory card, make sure the device is powered off (LED is off). • Do not remove the memory card while it is being accessed (LED is lit).

• Do not save any data other than that recorded by this device on the memory card. • This device will not operate without a memory card inserted. Please be careful not to forget to insert a memory card.

1. Turn the vehicle's ignition switch to "OFF" and turn off the power to this unit.
2. Insert the included memory card with the terminal side facing up.



Precautions when inserting a memory card



How to remove the memory card

1. Turn the vehicle's ignition switch to "OFF" to turn off the power to this unit. 2. Press the memory card button, and when the memory card pops out slightly, pull it out.

Record

This device has four recording modes when powered on: continuous recording mode, event (impact) recording mode, manual recording mode, and still image recording mode. When powered off, it has a parking recording mode.

notice

- Recording mode will not work in the following conditions:
 - When the MENU (menu) of this device is displayed - When playing back a recorded file - When no memory card is inserted - When the file overwrite setting is set to "OFF" and the maximum number of files or time that can be saved has been reached

Types of image quality

This device allows you to set the video quality when recording videos.

Types of image quality (resolution)

"Highest Quality (1920x1080) 12Mbps" / "High Quality (1920x1080) 8.5Mbps" / "Standard Quality (1920x1080) 5.2Mbps" / "Long Playback Time (1280x720) 3.2Mbps" • The default setting at purchase is "Standard Quality (1920x1080) 5.2Mbps". • To change the setting, please refer to the video quality settings on page 31 or 37 .

Please take a look.

- Still images are saved in FULL HD (1920x1080) when the video quality setting is set to "Highest Quality," "High Quality," or "Standard Quality ." • When set to "Long Duration," they are saved in HD (1280x720).

Estimated recording time / number of photos

In the case of the included 8GB microSD card

Shooting mode	image quality			
	Highest quality, high definition,	Standard definition	Long duration	
continuous recording	maximum 70 minutes,	maximum 100 minutes,	maximum 150 minutes,	maximum 240 minutes,
event (impact) recording	maximum 10 events (20 seconds each),			
Manual recording:	Up to 20 recordings (20 seconds each)			
Parking recording	Up to 20 recordings (you can set the recording time per recording from 15 seconds/ 30 seconds/1			
minute). Up to	100 still images .			

Notice: •

Recording time and number of photos saved will vary depending on the files stored on the memory card. • Please back up important data to your computer immediately.

- For those who require longer recording times, a 16GB memory card is available separately. For more details, please contact the company from which you purchased the product.

Recording when powered on: When

the power of this device is turned on, it will start recording continuously.

Continuous Recording Mode: When the unit

is powered on, continuous recording will begin. The recording time for continuous recording depends on the image quality setting. By default, it is set to

"Standard Quality (1920 x 1080)". Recording files are saved approximately every 2 minutes. To change the image quality setting, please change the video quality setting on page 31 or 37 .

Notice : When

the memory card's recording space is full, older files will be deleted in order, and recording will continue.

Location of recorded files:

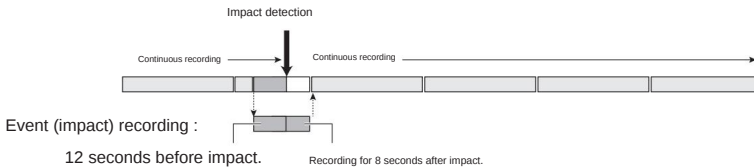
Recorded files are saved in the "NORMAL" folder on the memory card. (ý P.19)

Event (Impact) Recording Mode: If a sudden

impact or other event is detected during continuous recording, continuous recording will be interrupted and event (impact) recording mode will be started. ••

The recording time in event (impact) recording mode is 12 seconds before impact detection and • 8 seconds after impact detection, for a total of 20 seconds per event. • After event recording is finished, • the system will return to continuous recording.

Approximately 3 minutes, approximately 3 minutes, approximately 3 minutes ...



- If another impact is detected before the event recording ends, the event (impact) recording will start from there. This will be extended by 20 seconds.

Notice: •

Event (impact) recording mode saves up to 10 files. If more than 10 files are saved, the oldest files will be overwritten first. However, if "Overwrite Setting" is set to "OFF", older files will not be overwritten, and in that case, recording will not start if more than 10 files are saved. Please save the data on the memory card to your computer as needed.

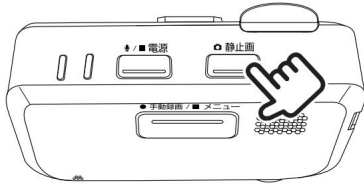
Overwrite Overwrite

Location of recorded files:

Recorded files are saved in the "EVENT" folder on the memory card. (ý P.19)

Still Image

Recording: When the device is continuously recording, pressing the "Still Image" button will record a still image.



• Up to 100 still images can be saved. • The resolution of still

images will be saved in FULL HD (1920x1080) when the video quality setting is set to "Highest Quality," "High Quality," or "Standard Quality." • When set to "Long Playback," it will be saved in HD (1280x720). • To change the quality settings, please refer to the video quality settings on page 31 or 37.

Please change this. Notice

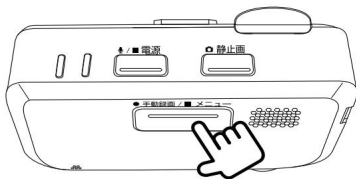
- When the number of files exceeds 100, older files will be deleted first.
- Recording still images during recording will not interrupt the recording.

• Still image files are saved in the "PICTURE"

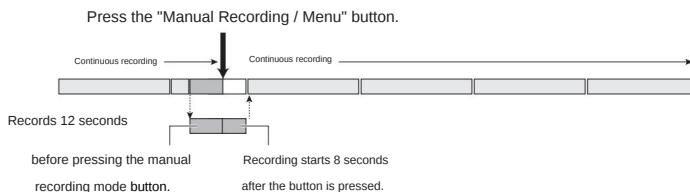
folder on the memory card. (P.19)

If you press the "Manual

Recording / Menu" button on this unit while it is recording continuously in **manual recording mode**, the continuous recording will be interrupted and manual recording mode will be started.



• In manual recording mode, the recording time is 20 seconds, consisting of 12 seconds before pressing the "Manual Recording / Menu" button and 8 seconds after pressing it. After manual recording ends, it returns to continuous recording. Approximately 3 minutes, approximately 3 minutes, approximately 3 minutes ...



• If you press the "Manual Recording / Menu" button again before manual recording ends, Manual recording will be extended by 20 seconds.

Notice: •

Manual recording mode saves up to 20 files. • If more than 20 files are saved, older files will be overwritten first. However, if "Overwrite Setting" is set to "OFF", older files will not be overwritten, and in that case, recording will not start if more than 20 files are saved. Please save the data on the memory card to your computer as needed.

• **Location of recorded**

files: Recorded files are saved in the "MANUAL" folder on the memory card. (• P.19)

Approximately 3 minutes, approximately 3 minutes, approximately 3 minutes ...

Parking recording mode when power is off: When the

power of this unit is turned off, parking recording mode will start. Continuous recording Continuous recording

notice

- Before turning off the vehicle's ignition switch, turn off the power of this unit using the power button. When this happens (γ P.12), parking recording will not work.
- Parking recording will not work if the power voltage is low due to vehicle battery degradation or other reasons. Sometimes this happens.

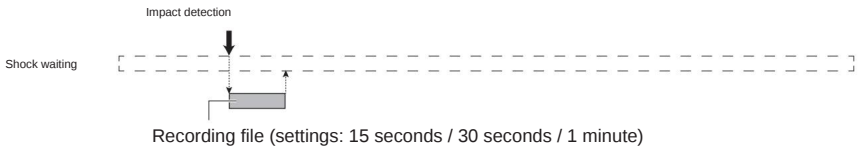
Parking Recording

Mode: In parking recording mode, the device will power on and start recording if the vehicle is hit while parked . Once recording is complete, the device will power off and return to standby mode. •• The recording time in parking recording mode is approximately 30 seconds from impact detection (at the time of purchase).

- The recording time can be changed. Please see page 31 or 37 .

Overwrite Overwrite

•• Parking recording starts a few seconds after an impact is detected. •• You can set the sensitivity for detecting impacts. The setting range is 1 to 5 , from 1 (detects impacts with large impacts) to 3 (standard) to 5 (detects impacts with small impacts). For instructions on how to set it, please see page 31 or 37 .



Notice: •

Parking recording mode saves up to 20 files. If more than 20 files are saved, older files will be overwritten first. However, if "Overwrite Setting" is set to "OFF", older files will not be overwritten, and in that case, recording will not start once more than 20 files have been saved. If necessary, save the data on the memory card to your computer.

- When connected to a Nissan original navigation system (dealer option), if recording is made in parking recording mode, the message "Parking recording available" will be displayed on the screen when the power is turned on.
- The parking recording mode may activate when vibrations are detected from closing the door.

γ Disabling Parking Recording When Getting

In/Out of the Vehicle The parking recording mode may activate if it detects vibrations when closing the doors when getting in or out of the vehicle. To prevent the parking recording mode from activating due to door vibrations when getting in or out of the vehicle, you can disable the parking recording mode for a certain period

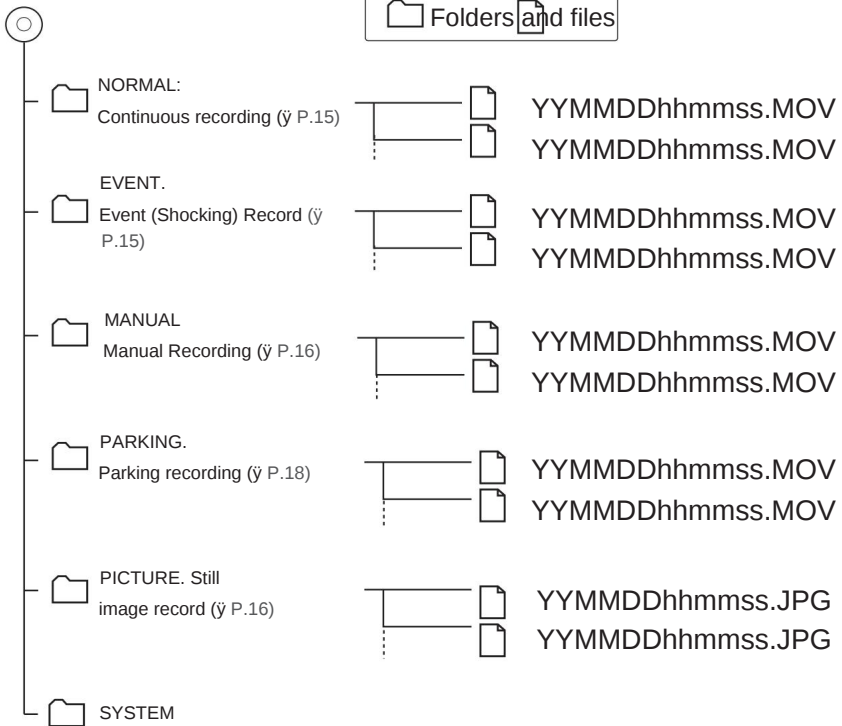
of time. Notice

- When you purchase this ticket, the invalid time for both boarding and alighting is set to "OFF". • To change the settings, please refer to page 31 or 37 .

Folder/File Structure

Files recorded or saved on the memory card are stored in folders organized by category.

Root (on the memory card)



Notice: • The

SYSTEM folder contains file location information, etc. • Deleting only the SYSTEM folder will render the file location information unusable.

ȳ Regarding file name notation

The file name is automatically generated based on the date and time the recording was made.

YYMMDDhhmmss.MOV

YYMMDDhhmmss.JPG

YYMMDDhhmmss.JPG

Year Month Day Hour Minute Second

Play/configure using viewer software.

DRIVE REVIEWER is a dedicated PC viewer software used to play back video and audio recorded with this device, and to change settings. It also performs data backups.

DRIVE REVIEWER operating environment

YOU	Windows 7 Service Pack 1 (32Bit/64Bit) Windows 8.1/8.1Pro (32Bit/64Bit) Windows 10 (32-bit/64-bit), excluding Windows 10 Mobile.
CPU: Intel Core i3 2GHz or higher	
2GB or more	
Display resolution	of 1280x800 or higher
PCM sound playback functionality available in Windows .	
An internet connection is	required.

• Windows 7, Windows 8.1, and Windows 10 are developed by Microsoft Corporation in the United States. This is a registered trademark in the United States

and other countries. • Google Earth is a trademark or registered trademark of Google Inc. • Intel Core is a registered trademark or

trademark

of Intel Corp. Notice : Depending on your computer, the video may be distorted or the audio may be interrupted during playback. In that case, please close the viewer software and restart it to play the video.

Install

1. Go to <http://www.kenwood.com/jp/products/oem/dop/nissan/dvr> and download the installer.
2. Place the installer "Setup.msi" in any location on your computer (such as the desktop).
Copy
3. Double-click the copied "Setup.msi" file.



4. Follow the instructions on the setup wizard screen to proceed with the installation.



If a User Account Control warning window appears, click "Yes". 5. Click "Finish".

Installation complete.

Preparation 1: Remove the memory card from the device and insert it into the included SD card adapter. Then, connect to your PC using a card reader.

2. Click "Start" - "All Programs" - "DRIVE_REVIEWER"
Start up

Notice :

Please close other applications when using DRIVE_REVIEWER. Having multiple applications running simultaneously may slow down its performance.

Play back recorded or saved files using viewer software

Specify the drive to which the memory card is connected.



The video will be displayed and playback will begin.

Screen operation



↵ Magnification

function: You can enlarge the top, bottom, left, or right areas of the video screen being played, or enlarge any area of your choice.

button	explanation
	When you press this button while the image is enlarged, it will return to the normal screen.
	The top left, top right, bottom right, and bottom left of the screen will
	be magnified (2x). Move the displayed frame (↵) to the position you want to magnify, and each time you click the magnification level (↵), the display will be magnified by 1x/2x/3x/4x/5x. Pressing [Reset] (↵) will return to the original size (1x).
	

↵ Menu

file

open	Select a folder	Select the folder containing the files you want to import.
	Export to kmz/kml*	This outputs data for importing into Google Earth.
	backup	Select the folder where you want to back up your data. Exit
the viewer software .		

*KML or KMZ files are data files for importing into Google Earth.



(Drive List)

Select the memory card drive. Settings

System settings	The configuration file will be written to the memory card.
-----------------	--

Help

version	You can check the version of the viewer software.
---------	---

↵ Video Playback

Screen : This screen plays or displays video.

↵ Track bar / Playback time



This indicates the playback position in the video. The current location on the map and graph will be updated according to the playback position.

00:00:12/00:02:00

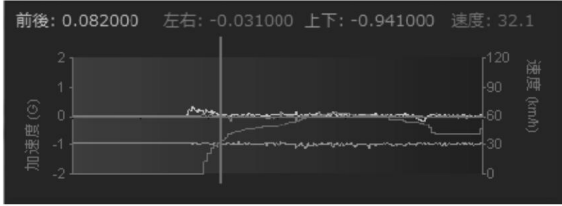
Playback time / Total playback time

Playback button

button	explanation
	Play the previous / next file.
	Display the previous/next frame.
	Playback will stop.
	Playing now.
	Pause.
	Clicking this will save the currently playing video as a still image.
	Each click cycles through the playback speeds: x1, x2, x4, x8, and x1/2.
	Adjust the volume (0 to 100).

This is a line

graph showing the magnitude of acceleration and velocity corresponding to the video file being played.



Path of the file currently being played

This displays the location where the currently playing file is stored.



Speedometer

This displays the vehicle speed in the currently playing video file.



notice

- If GPS reception is unavailable for approximately 15 seconds, such as when driving through a tunnel during recording, the vehicle speed display will show 0 (zero).
- The displayed vehicle speed is for reference only.

Clicking

"View by Category" will display the recorded video on the Video Playback screen, and playback will begin.



For "Files" and "Still Images": Recording start date and time / File storage location.

Video at the beginning of the file

For "Events": Recording start date and time / Event name.

File

This displays a list of all video files.

Event

This displays a list of manually recorded, event (impact) recorded, and parking recorded files.

Still

Images: Displays a list of still image files.

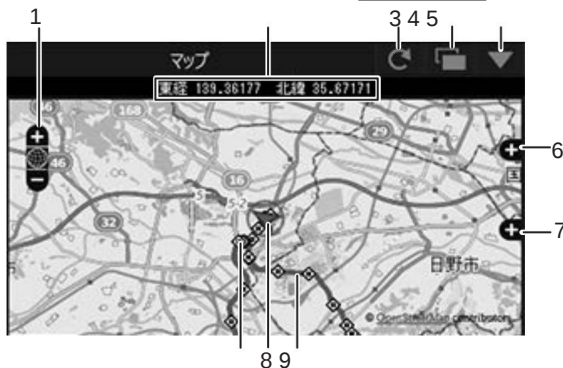
Clicking the map

display button to see the file will display the location information of the selected video file on the map.

If the map is not displayed, 2

マップ ▲

Please click here.



1. Zoom in/out on the map.

Displays latitude and longitude coordinates .

3. Reload the map.

4. Open the map in a separate window.

5. Hide the map.  Clicking will display the map.

6. You can choose to show or hide routes and icons displayed on the map.

7. Display on a wide-area map.

8 routes

When displaying routes spanning two or more days, the color will change for each day.

Day 1:	Blue	Day 5:	Magenta	Day 2:	Red
Day 6:	Light Blue	Day 3:	Green	Day 7:	
Yellow	Day 4:	White			

9. Displays the current vehicle's position within the selected file.

Starting position of each file

Hovering your mouse cursor over the icon will display the beginning of the file's video. Clicking it will play the corresponding file.

Notice :

Files will be deleted due to memory card capacity limitations (continuous recording) or file limit (manual recording, event (impact) recording, parking recording). Deleted portions will not be displayed on the map.

- Immediately after startup, or when driving in areas with poor reception such as urban areas, tunnels, or under elevated structures, or depending on the GPS satellite conditions, GPS information may not be received correctly, resulting in inaccurate display of your vehicle's position on the map or incorrect speed.

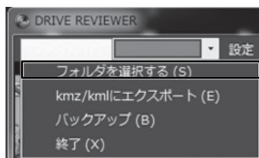
Export and import data for use in Google Earth.

Notice :

Before exporting the data, please install Google Earth on your computer. You can download Google Earth from the Google website.

1. Remove the memory card from the device and insert it into the card reader, then connect it to your computer.
- 2.

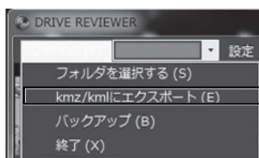
Launch the viewer software. 3. Click "File" - "Select Folder" in the menu.



4. Folder for outputting data used in Google Earth on the memory card.
Choose



5. Click "File" - "Export to kmz/kml" in the menu.



6. Select a save location, enter a file name, and click "Save".



Notice: •

A kmz file is a kml file compressed into a zip archive. Both file types can be imported into Google Earth.

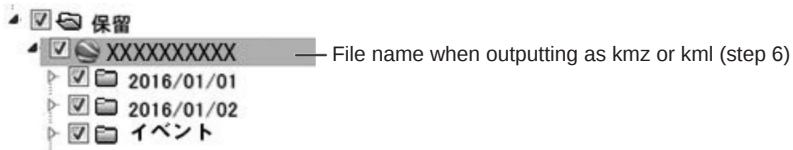
7. Click "OK" when "Output complete" is displayed. 8. Launch Google

Earth. 9. Select the file you want

to view. The pending folder and

the file names of the saved data will be displayed on the left side of the screen.

Clicking on a file name will display the saved data.



Unchecking a folder will remove the data from the map.

Notice :

For instructions on using Google Earth, please refer to Google Earth Help.

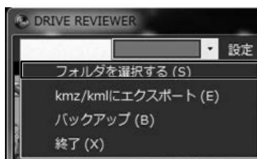
Backing up data from a memory card to your computer: Due to its limited

capacity, a memory card can only store a limited number of videos. Regularly back up any necessary video data from your memory card to your computer's hard drive. Using viewer software to back up memory card data allows you to save it while maintaining its association with system files such as location information. **Setting up a backup folder:** 1. Remove the memory card

from the device and insert it into the card

reader, then connect it to your computer. 2. Launch the viewer software. 3. Click "File" -

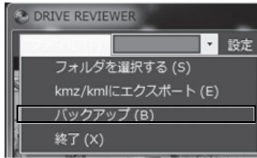
"Select Folder" in the menu.



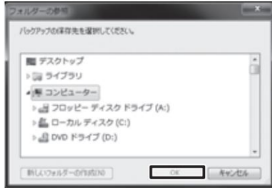
4. Select the folder containing the data you want to back up from the memory card.



5. Click "File" - "Backup" in the menu.



6. Select the destination for the backup and click "OK".



7. Check the files you want to back up and click "Execute".



Initially,

all files have a checkmark (✓). Click the checkmark (✓) next to

any data you do not want to back up to deselect it. Note: • Clicking "Deselect All" will remove all

checkmarks.

- Clicking "Select All" will place a checkmark (✓) next to all items. • The backup data folder name will be the date and time when you clicked "Backup" in step 8. If you want to change it, you can edit the "Folder to Create" setting.

- Clicking "Change" allows you to change the backup destination.

8. When the message appears, click "Yes".

Notice : If

you haven't set a backup location, it's set to "My Videos" or "Videos" (depending on your Windows version).

To view the backed-up video: 1.

Launch the viewer software. 2. Click

"File" - "Select Folder" in the menu.



3. Select the folder containing the backed-up data.

4. Select the folder containing the video file you want
to watch. The playback screen will appear, and you can play the video file.

You can **change the settings using the viewer software** . The

viewer software allows you to change the settings of the device. The changed settings are saved to a memory card. When you insert the memory card containing the saved settings into the device and turn on the power, the settings on the device will be automatically overwritten.

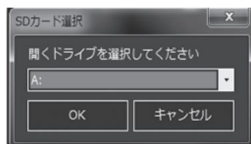
To change the

settings: 1. Remove the memory card from the device and insert it into the card reader, then connect it to your computer. 2.

Launch the viewer software. 3. Click "Settings" in the menu, then click "Device Settings".



4. Select the drive to which the memory card is connected and click "OK".



5. Change each setting (page 31) Notice

- If there is no settings data on the memory card, or if this is your first time using it, •
A message will appear stating, "Configuration file cannot be loaded." Please click "OK."
- If previous settings are saved on the memory card, or if you configure them using the device's menu.
If you change the settings, the previous settings will be displayed on the settings screen.

¶ To set up parking recording,

click "Parking Recording Settings".

*: for setting up at the time of

to set: Recording time		purchase
	OFF/15 seconds/30 seconds* / 1 minute	• Set the recording time for parking recording after an impact
Overwrite save (excluding continuous recording and still image)	OFF/ON*	is detected. • Set whether or not to overwrite older files when the number of recording files is full. • Set the sensitivity for
recording) Sensitivity setting	1/2/3*/4/5	detecting impacts to the parked vehicle. 1 (Detects impacts with large impacts) to 3 (Standard) • to 5 (Detects impacts with small impacts) • Set the time for which
Lowering the car starts with the timer set	to OFF* / 30 seconds later / 1 minute later • / 3 minutes later	parking recording is disabled when you get out of the vehicle.
Pre-boarding stop time setting: OFF*	30 seconds before / 1 minute before / 3 minutes before	This setting allows you to disable parking recording for a certain period of time while the vehicle is in use.

¶ To configure video recording

settings, click "Video Recording

*: Initial setup

Item	Settings"	
Voice Recording	OFF*/ON	This setting determines whether or not to record
Overwrite save (manual)	OFF/ON*	microphone audio during recording. This setting determines whether or not to overwrite older files when
Overwrite save (event)	OFF/ON*	the number of recording files is full. This setting determines whether or not to overwrite older files when the number of
Video quality: High	Best quality / High quality / Standard quality */ Long	This setting controls the image quality for continuous recording mode, event (impact) recording mode, manual recording mode, and parking recording mode . (Individual image quality settings are not available.)
Sensitivity settings	1/2/3*/4/5	Set the sensitivity for detecting vehicle impacts. 1 (Detects impacts with large impacts) to 3 (Standard) • to 5 (Detects impacts with small impacts)

¶ To configure the system,

click "System Settings".

Project		
notification volume	OFF/ 1 to 5 (default is 3)	sets the volume of the notification sound and voice guidance.
Playback volume	Set the playback volume using OFF/1	to 5 (default is 4) .

Notice: •

Voice guidance will continue to output audio even if the volume is set to mute (OFF).

6. Click "OK" to save the settings
to the memory card.

モニターに表示して再生/設定する

You can play back video and audio recorded with this unit on the monitor of the Nissan original navigation system (dealer option), or change settings. You can also protect and delete files. Notice:

- To display the screen of this unit,

press the

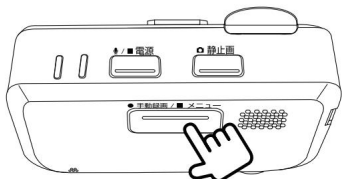
"AV" key on the Nissan original navigation system (dealer option) and touch "VTR". For details on operation, please refer to the navigation system's instruction manual. • Audio is output from the unit's speaker.

Display on the monitor and play back the recorded or saved

Display the device's screen on one monitor.

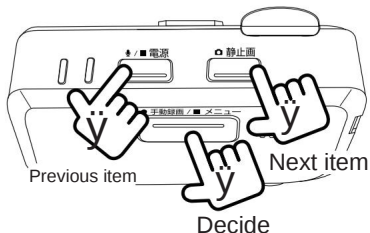


2. Press and hold the "Manual Recording / Menu" button for 3 seconds.

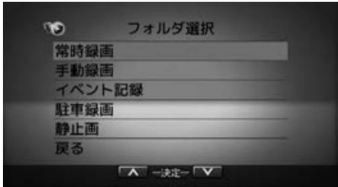
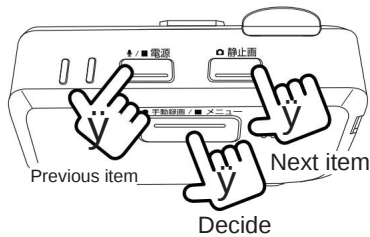


The MENU will be displayed.

3. Select "File Playback" (ファイル再生) and confirm (決定).



4. Select the folder you want to play (ÿ) and confirm (ÿ).



The screen will switch to playback and playback will begin.

Notice : _____
Recording will stop while the file is playing.

How to view the playback screen



Operation Guide _____

This displays the actions taken when you press a button on this device.

Power button Manual recording / Menu button Still image button

the progress of playback.
ÿ Playback status icon ÿ Elapsed time
ÿ Date icon ÿ Year, month,
day, hour,
minute, second of
the playback file ÿ File number / Total
number of files

How to view the screen during

If you can display the device's screen on a monitor, the screen during recording will look like this.



• Recording icon:

- Manual recording;
- Event (impact) recording; Continuous
- REC recording;
- Recording stopped

• Remaining recording time

(seconds): This is displayed only during event (impact) recording and manual recording.

• An error icon will be displayed.

- Manual recording is not possible.
- Event (impact) recording failed.
- Parking recording is not possible.

This message appears when a still image is saved. • Audio recording Audio



• Recording quality

- UXP: Highest image quality
- XP: High quality
- SP: Standard Definition
- LP: Long Playback Video

You can protect, unprotect, or delete video or still image files .

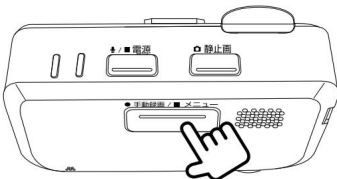
notice

- Continuously recorded files cannot be protected.

1. Play back the files you want to protect or delete (• P.32)

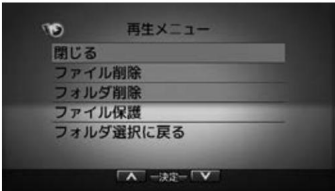
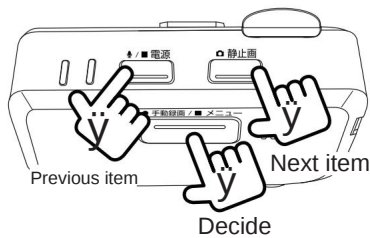


2. Press and hold the "Manual Recording / Menu" button for 1 second.



The playback menu will be displayed.

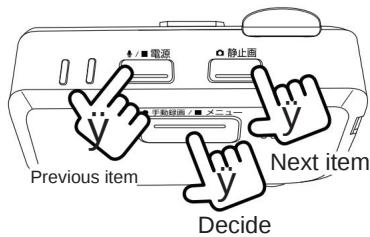
Select one of the three menu items (ÿ) and confirm (ÿ).



close	The playback menu will be closed.
Delete files	This will delete the file that is currently playing.
Delete folder	All files in the folder containing the currently playing file I will delete it.
File Protection	This protects files from being overwritten or deleted.
This will return you to the	folder selection screen.

A confirmation message will be displayed.

4. Select "OK" (ÿ) to confirm (ÿ).



notice

- Recording will stop while the menu is displayed.

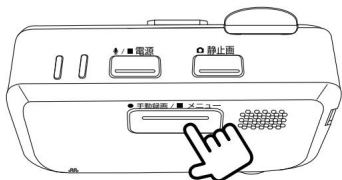
Display the menu on the monitor and change the settings.

*: Default setting at time of purchase

Display the device's screen on one monitor.

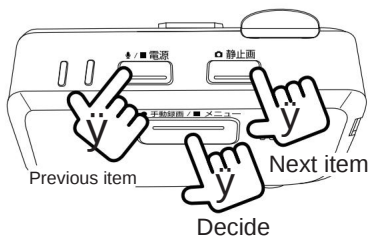


2. Press and hold the "Manual Recording / Menu" button for 3 seconds.



The MENU will be displayed.

Select one of the three menu items (ŷ) and confirm (ŷ).



Notices: •

Selecting "Back" will return you to the previous screen. •

Recording will stop while the menu is displayed.

4. Repeat step 3 to configure each item.

Settings MENU List

File Playback

Continuous	Select the desired folder from the list screen and play the file. P.32 Additionally, you can protect or delete files while they are playing. P.34
recording / Manual recording	
Event Records	
Parking recording	
still image	

Parking recording settings

Recording time	OFF for 15 seconds / * 30 seconds */1 minute	Set the recording time for parking recording after an impact is detected.
Overwrite save (Continuous recording and still images) (Excluding records)	OFF/ON*	When the number of recorded files is full, older files This setting determines whether or not to overwrite the file.
Sensitivity setting	1/2/3*/4/5 Sets the sensitivity for detecting impacts to parked vehicles.	1 (Detects large impacts) ~ 3 (Standard) ~ 5 (Small) (Detects even slight impacts)
Disembarkation start time setting	OFF*/30 seconds later /1 minute later /3 minutes later	Set a time limit to disable parking recording when you get out of the vehicle. I will.
Pre-boarding stop time setting	OFF*/30 seconds before /1 minute ago /3 minutes ago	Set a time limit to disable parking recording while the vehicle is in use. I will.

Video recording settings

Audio recording	OFF*/ON	This setting determines whether or not to record microphone audio during recording. I will.
Save above (manual) OFF/ON*		When the number of recorded files is full, older files This setting determines whether or not to overwrite the file.
Overwrite save (event) OFF/ON*		When the number of recorded files is full, older files This setting determines whether or not to overwrite the file.
Video quality	Highest quality / High quality / Standard definition */ Long Time-based image quality	Continuous recording mode, Event (impact) recording mode, Sets the image quality for manual recording mode. (Individually adjust the image quality) Quality settings cannot be adjusted.
Sensitivity setting	1/2/3*/4/5 Sets the sensitivity	for detecting vehicle impacts. 1 (Detects impacts with high force) to 3 (Standard) • ~ 5 (Detects even small impacts)

System Settings

Notification volume	OFF/1 to 5 (default setting is 3) for notification sound and voice guidance. Sets the volume of the sound.
The playback volume can be set using the following settings: OFF/1 to 5 (default is 4).	
Factory Reset: This will restore the device's settings to their factory default state.	
System Version: Displays the system version of this device.	
SD card initialization	This will erase all files and format the SD card. P.38
System Update	This device's system will be updated. (P.40)
- Closing	Close the menu.

Notification

- Voice guidance will continue to output audio even if the volume is set to muted (OFF).

メモリーカードをフォーマットする

If you encounter errors when playing videos or backing up files, the data on your memory card may be corrupted. Please format the memory card. You can format it by accessing a dedicated website, or, if the monitor to which this unit is connected is a Nissan original navigation system (dealer option), you can format it by accessing the unit's settings menu.

notice

- Generally, formatting the memory card is not necessary. Format the memory card only if you experience write/read errors or if the device fails to start.
- Do not use the standard SD card format on your computer. • Formatting the memory card will erase all data, including protected files. If you have important data, be sure to back it up to your computer before formatting.

1. Access the dedicated website to format the

memory card. Remove the memory card from the device, insert it into the card reader, and connect it to your computer. 2. Prepare the SD memory card formatting software. Install the SD memory card formatting software on your computer. Please refer to the dedicated website for installation instructions.

(1) Launch a web browser such as Internet Explorer and access the dedicated site <http://www.kenwood.com/jp/products/oem/dop/nissan/dvr>.

(2) Select "SD Memory Card Formatting Software". (3) Follow the instructions provided to install the SD Memory Card Formatting Software.

3. Launch the SD memory card formatting software. Select [Start] ÿ [All Programs] ÿ [SDFormatter] ÿ [SDFormatter].

4. Click the [Format] button.

Please ensure that the selected drive is the drive into which the memory card is inserted before formatting. If a different drive is selected, click the [Update] button and select the drive into which the memory card is inserted. 5. Once formatting is complete, a

confirmation dialog will appear; click the [OK] button.
Click

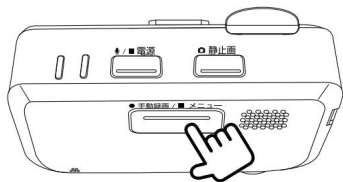
6. Click the [Finish] button.

Display the menu on the monitor and format it.

Display the device's screen on one monitor.

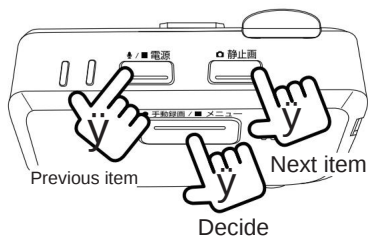


2. Press and hold the "Manual Recording / Menu" button for 3 seconds.

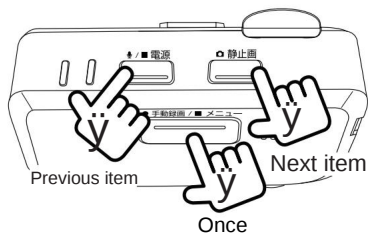


The MENU will be displayed.

3. Select "Initialize SD card" (y) and confirm (y).



4. When the message "Do you want to initialize the SD card?" appears, select "OK" (y) to confirm (y).



the formatting is finalized , the message "Initialization complete" will be displayed.

System を更新する

This unit's system will be updated. You can update by accessing the dedicated website, or, if the monitor to which this unit is connected is a Nissan original navigation system (dealer option), you can update by displaying the unit's settings menu. For information regarding the update, please visit the dedicated website : <http://www.kenwood.com/jp/products/oem/dop/nissan/dvr>.

notice

- Note down if the device's version is the same as the latest update file.
Inserting the leak card will not initiate the update.

You can check the version of

this device in the settings screen of the viewer software. 1. Remove the memory card from the device and insert it into the card reader, then connect it to your computer. 2. Launch the viewer software. 3. Click "Settings" in the menu, then click "Device Settings". 4. Specify the drive to which the memory card is connected and click "OK".

The settings screen will appear. The current version of the dashcam will be displayed in the lower left corner of the screen.



Dashcam version

If you are unable to **access the dedicated website**

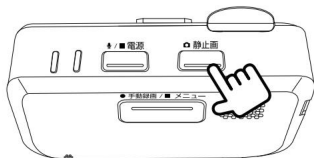
to update the system and display the menu on the monitor, please update the system using the following

method: 1. Format the memory card.

For formatting instructions, please see "Formatting the Memory Card" on page 38. 2. Access

the dedicated website <http://www.kenwood.com/jp/products/oem/dop/nissan/dvr> and copy the update file "update.bin" to the root folder of the memory card. 3. Insert the memory card into the

unit. 4. Turn on the unit while holding down the [Still Image] button.



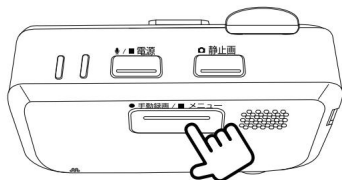
If you keep pressing the button for a while, the recording LED (blue) will blink and the update will begin. Once the update is complete, the recording LED (blue) will turn off and the device will automatically restart.

Update the system by displaying the menu on the monitor. 1.

Remove the memory card from the unit and insert it into a card reader to connect it to a computer. 2. Access the dedicated website <http://www.kenwood.com/jp/products/oem/dop/nissan/dvr> and copy the update file to the memory card. 3. Remove the memory card from the computer and insert it into the unit with the terminal side facing up. 4. Display the unit's screen on the monitor.

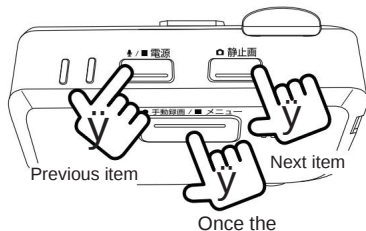


5. Press and hold the "Manual Recording / Menu" button for 3 seconds.



The MENU will be displayed.

6. Select "System Update" (y) and confirm (y).



update is complete, a message "System updated" will be displayed, and the device will automatically restart.

よくある質問

▼ Main unit

Questions	answer
The recorded audio is quiet. This device's	recording function is not intended for recording voice, but rather for recording ambient sounds to supplement the video, so the recording volume is set low. If the recorded sound is extremely quiet, please check if the built-in microphone (sound pickup area) of this device is being covered. There is a possibility that the device is not receiving power. Even if you turn on the vehicle's power...
If the LED does not light up, or if the power does not turn on, please consult your dealer. Playback on a car	
navigation system is limited to those with MOV (H.264 LPCM) playback functionality. Please check the specifications of your car navigation system. Also, depending on the specifications of your car navigation system, playback may not be possible.	
I'm having trouble recording and playing back videos.	Please format the memory card (▼ P.38). If you are still unable to record properly, please contact the store where you purchased it.
The notification sound volume is low. (See viewer software (▼ P.31) or the device's menu.)	You can change the volume on page 37 (▼ P.37).
Can I change the recording time? The	recording time for parking recording mode can be changed in the settings. The recording time for other recording modes cannot be changed.
I want to extend the recording time. A 16GB memory card is available separately. For details, please contact the	company where you purchased the product.
This device is a continuous recording type video recorder. There is no video on the memory card even though you should have recorded or saved it. When the recording time or number of recording limits are exceeded, older recordings are	overwritten, so the recorded or saved files may be gone. If necessary, save the data on the memory card to your computer's hard drive or elsewhere. You can also set it not to overwrite, but when the "overwrite" setting is "OFF", an error icon (page 34) will be displayed when the limit is exceeded, and further recording or saving will not start. You can adjust the sensor sensitivity using the viewer software (▼ P.31) or the device's menu (▼ P.37).
During driving, the device frequently records in event (impact) recording mode. The	
device may become hot. The device may become hot even when used within the operating temperature range. Is this abnormal? No, it is just heat generated by the device's operation and is not abnormal.	

Question:	
The color of the signal may not be recorded.	Depending on the recording cycle of video and the flashing cycle of the LED traffic light, the signal may appear to disappear for a moment. Also, in environmental conditions such as backlighting, the signal may not be visible. In such cases, please make your judgment based on the surrounding video and the condition of other vehicles. We assume no responsibility whatsoever for any issues regarding the inability to see the signal.
Even after turning off the engine and switching the ignition to the off position, the power to this unit does not turn off. If the power does not turn off, the parking recording mode is active. If the power does not turn off even after setting the parking time in the parking recording settings to "OFF", please contact the store where you purchased the product. The unit will not start up. Please contact the store where you purchased the product.	
Video cannot be recorded to the memory card.	• You may not be using the memory card included with or originally provided by this device. Please be sure to use the included or original memory card. Operation with commercially available memory cards cannot be guaranteed. • There may be a problem with the memory card. Please format the memory card (P.38). However, formatting will erase all data on the memory card. Please back up any necessary data to a computer or other device. • If the device is overheating, please lower the temperature inside the car. This will disable the protection function and allow recording.
If the recording time is short and a lot of recording area will be smaller, resulting in a shorter recording time.	video is recorded in continuous recording mode, the continuous recording time will be shorter. Also, even if there are files unrelated to the recorder on the memory card, the video is recorded in continuous recording mode, the continuous recording time will be shorter. You can turn off the notification volume by setting it to "OFF" in the viewer software (P.31) or the device's menu (P.37).
I want to turn off the voice guidance and notification sounds.	However, the voice guidance for error notifications cannot be turned off.

Viewer software: DRIVE REVIEWER

Questions	answer
Event (impact) recording mode: If an impact is detected immediately after turning on the power, or if the power is turned off immediately after playing back the video recorded by the device after an impact is detected, the playback time will be less than 20 seconds. Some videos may be less than 20 seconds long. Recorded video can	
be used to help investigate an accident, but its effectiveness as evidence is not guaranteed. Is it okay?	

Questions	answer
The recorded footage is, Can I view it with general-purpose software such as Windows Media Player? I deleted	Playback may not be possible depending on the playback software. Also, information such as speed and position cannot be viewed.
the viewer software and downloaded is a possibility that the memory card	the installer from the dedicated website (ý P.20) . Please reinstall it. There is not inserted correctly. Please reinsert the
My computer doesn't recognize the memory card when I insert it.	memory card or card adapter. Also, if you are using a card reader, there is a possibility that the card reader itself is not being recognized correctly by the computer. Please remove the memory card from the card adapter and reinsert it. For information about the card reader, please refer to the instruction manual that came with the card reader. Please check the operating environment of the viewer software. If there are no problems, please reinstall it. Please reload the file. If it still does not play, the file may be corrupted. • There is a possibility
The viewer software won't start. The	that the audio recording in the viewer software (ý P.31) or the device's menu • (ý P.37) is set to "OFF". Also, please check that the volume
video doesn't start playing when I press the play button. The	setting in the viewer software or the computer's volume setting is not set to minimum. • If there is no sound even after changing the
video plays when I press the play button, but there's no sound.	settings, please check that the built-in microphone (sound collection part) of this unit is not covered. • If the video is distorted or the sound is interrupted during playback, please check that the operating environment of your computer meets the recommended operating environment (ý P.20). If your computer specs are low or other applications are running, playback or sound may be interrupted. Depending on the location you
are driving in, such as tunnels, underpasses, or in urban areas with many buildings, or the condition of GPS satellites, GPS information may not be received properly, and your position may be inaccurate.	
The vehicle's position on the map is inaccurate.	
The displayed speed is inaccurate. Speed	is obtained from GPS information, and depending on the location (tunnels, underpasses, urban areas, etc.) and the GPS satellite conditions, the displayed speed may be inaccurate. Regarding video quality,
while high-definition offers clearer images than standard quality, what are the differences? The recording time is shorter. Playback is not smooth. If other applications are running besides	
DRIVE REVIEWER, please close them.	

Main specifications

Main unit

Operating temperature	ý 20 ýý 65ý
range, Storage	ý 30 ýý 85ý
temperature range, Body size	W79 × H22 × D48 mm (H51 mm with mounting bracket attached)
Mass,	97g
Power supply voltage (operating voltage range),	14V (8.5 ý 16V)
Maximum current consumption	0.4A (at a power supply voltage of 14V)
G-sensor	Built-in, maximum 4.0G, in 0.1G increments
GPS antenna	Built-in GPS, GPS reception, GLONASS not supported.
recording medium	microSD card (included: 8GB p-SLC)

Video Specifications

Image	1/3-inch color CMOS
sensor, effective	3M (Sensor pixel count: 4M)
pixels, field	Horizontal 117° × Vertical 63°
of view, number of	27fps
recording frames, image size	Highest resolution: FULL HD (1920 × 1080) 12Mbps High resolution: FULL HD (1920 × 1080) 8.5Mbps Standard definition: FULL HD (1920 × 1080) 5.2Mbps Long-play video quality: HD (1280 x 720) 3.2Mbps
Recording format	MOV(H.264+LPCM)
HDR	• (ON fixed)

These specifications and designs are subject to change without prior notice to customers.

Disclaimer

- If the customer or a third party misuses this product, or if any malfunction or other defect occurs during use, Furthermore, legal liability for damages incurred as a result of using this product is not recognized. Please be aware that, except in certain cases, we will not be held liable in any way.

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About the software

MD5 utility /*

crypto/md5/md5.h */ Copyright

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by Eric Young (eay@cryptsoft.com).

The implementation was written so as to conform with Netscapes SSL.

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CRC utility

COPYRIGHT (C) 1986 Gary S. Brown. You may use this program, or code or tables extracted from it, as desired without restriction. • First, the polynomial itself and its table of feedback terms. The polynomial is $X^{32}+X^{26}+X^{23}+X^{22}+X^{16}+X^{12}+X^{11}+X^{10}+X^8+X^7+X^5+X^4+X^2+X^1+X^0$

Note that we take it "backwards" and put the highest-order term in the lowest-order bit. The X^{32} term is "implied"; the LSB is the X^{31} term, etc. The X^0 term (usually shown as "+1") results in the MSB being 1 Note that the usual hardware shift register

implementation, which is what we're using (we're merely optimizing it by doing eight-bit chunks at a time) shifts bits into the lowest-order term. In our implementation, that means shifting towards the right. Why do we do it this way? Because the calculated CRC must be transmitted in order from highest-order term to lowest-order term. UARTs transmit characters in order from LSB to MSB. By storing the CRC this way we hand it to the UART in the order low-byte to high-byte; the UART sends each low-bit to high-bit; and the result is transmission bit by bit from highest- to lowest-order term without requiring any bit shuffling on our part. Reception works similarly

The feedback terms table consists of 256, 32- bit entries. Notes

The table can be generated at runtime if desired; code to do so is shown later. It might not be obvious, but the feedback terms simply represent the results of eight shift/xor operations for all combinations of data and CRC register values

The values must be right-shifted by eight bits by the "updcrc logic; the shift must be unsigned (bring in zeroes). On some hardware you could probably optimize the shift in assembler by using byte-swap instructions polynomial \$edb88320

CRC32 code derived from work by Gary S. Brown.

GPSD

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About open source software

The viewer software includes software licensed under the GNU General Public License, version 3 and other open-source software licenses that require the distribution of source code. The source code for this software can be downloaded from the following dedicated website : <http://www.kenwood.com/jp/products/oem/dop/nissan/dvr> **About Open Source Software included in**

the viewer software

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保証とアフターサービス

Regarding the

warranty , the warranty period is three years from the date of purchase or installation. However, within that period, the warranty is limited to a maximum mileage of 60,000 km. Please check that the necessary information is filled in on the "Nissan Genuine Optional Parts Warranty Certificate" issued by the dealership where you purchased the product, and keep it safe in your vehicle registration holder or similar.

If the device does not function properly,
please refer to this instruction manual again for **after-sales service** . If the device still does not function properly, please contact the company from which you purchased it.

For inquiries, please contact the Nissan Motor Co., Ltd. Customer Service Center listed below.

For inquiries regarding Nissan Motor Co., Ltd., please contact the

following: **Nissan Motor Co., Ltd. Customer Service Department**

1-1-1 Takashima, Nishi-ku, Yokohama City, Kanagawa Prefecture 220-8686 Japan

0120-315-232

Reception hours: 9:00 AM - 5:00 PM

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