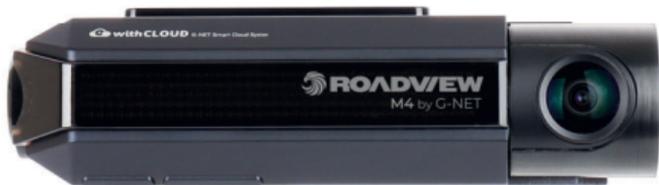




M4 by G-NET

2CH | 4K HDR | SONY™ STARVIS SENSOR



Phone: 1800 818 288

Email: info@autoXtreme.com.au

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IMPORTANT SAFETY INSTRUCTIONS WARNING

All rights reserved by AutoXtreme Electronics. Unauthorised modification, copying, or distribution is prohibited without prior consent. AutoXtreme and its partners are not accountable for any failure to record videos or loss of data resulting from product malfunctions or other factors.

- Regularly check the Dashcam's operation to ensure optimal performance.
- In the event of a car accident, it's recommended to remove the memory card from the dash camera and save the video data to your computer. If the memory card is full, new video data will overwrite existing footage, erasing any accident data.
- The memory card is a consumable item that may need periodic replacement.
- Please only replace the memory card with one authorised by Roadview. The use of unauthorised cards may cause damage to the camera.
- Video quality and GPS signal may be affected by dark tint or specialized windshields. Avoid using these if possible.
- Do not adjust the Dashcam or its app while driving.
- Warning: Operation of this equipment in a residential environment could cause radio interference.

CAUTION FOR MEMORY CARD

- If the Dashcam has not been used for an extended period, check the device's time and allow it to connect via External GPS.
- To prevent image distortion, avoid exposing the camera to prolonged sunlight. If parking in direct sunlight and high temperatures for an extended period, disconnect the power cable to minimise memory card errors.
- Before removing the memory card, ensure the dash camera has been powered off. Failure to do so could result in permanent damage to the memory card and loss of video files.
- In the event of a car accident, it's recommended to remove the memory card from the dash camera and save the video data to your computer. If the memory card is full, new video data will overwrite existing footage, erasing any accident data.
- Do not use the memory card for other storage purposes. If incompatible data is detected, the dash camera will automatically erase it to maintain system stability.
- The ROADVIEW M4 Dashcam supports memory cards ranging from 32GB to 1TB.
- During formatting, do not remove the memory card for 3 to 5 minutes or while in standby mode.



SONY STARVIS
IMAGE SENSOR



CLOUD SYSTEM



2CH
UHD/FHD



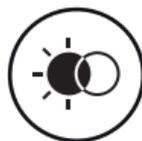
LBP



H.265 CODEC



ROADVIEW
WI-FI APP



REAL HDR



TIME LAPSE



SD LOCKS FOR
MEMORY PROTECTION



PARKING
MODE

PACKAGE COMPONENTS

01. BEFORE USE

• Basic Components (Embedded GPS)



Main camera



Rear camera



Wi-Fi dongle



User manual



Hardwire kit



Screw, Wrench



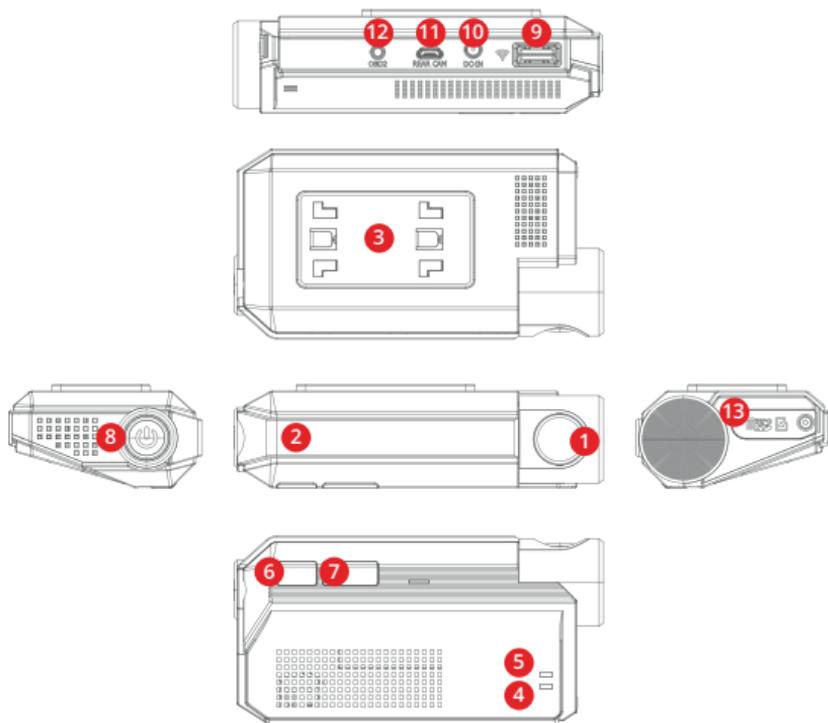
Micro SD
memory card



Rear camera
connection cable

- ※ The size and appearance of the components depicted above may be different from the real components.
- ※ Specifications and components may be changed without notice for quality assurance.
- ※ We highly recommend using the supplied memory card due to system compatibility.

• Front Camera

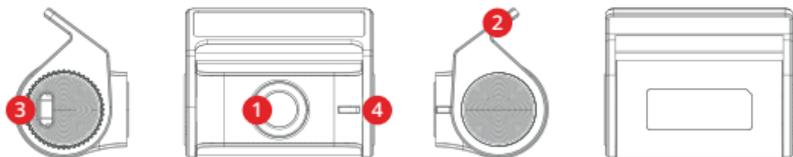


- | | | |
|------------------------|--------------------------------|------------------------------|
| ① Front camera lens | ⑥ Wi-Fi connection button | ⑪ Rear camera connector port |
| ② Security LED | ⑦ Manual recording button | ⑫ OBD2 connector port |
| ③ Front camera bracket | ⑧ Power button | ⑬ Micro SD card cover |
| ④ GPS LED | ⑨ Wi-Fi USB dongle port | |
| ⑤ REC LED | ⑩ Power connector port (DC-IN) | |

NAME OF EACH PART

01. BEFORE USE

• Rear Camera



① Camera lens

② Rear cam mount

③ Rear cam connector port

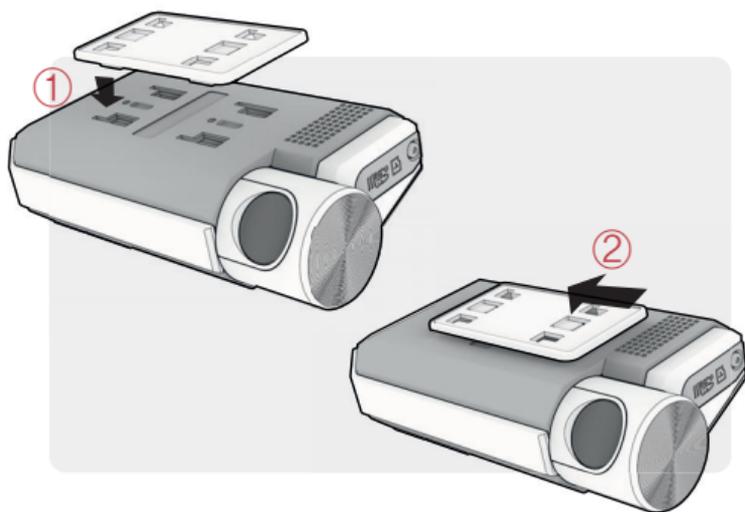
④ Status LED

Image Sensor	SONY Starvis
Audio input	Built-in microphone
Video Compression	H.265
Audio Compression	ADPCM
Resolution	Front : UHD (3840X 2160), Rear : FHD (1920 X 1080)
Frame Rate	All cameras : Max. 30 FPS
Recording Time (Approx.)	32GB : 2hrs / 64GB : 4hrs / 128GB : 7hrs 40mins 256GB : 15hrs 20mins / 512GB : 30hrs 40mins
3G/4G/Router (Optional)	Connect to withCLOUD via 3G/ 4G/ Router telecommunication
Wi-Fi (Optional)	Connect to 'ROADVIEW M4' smart phone app via Wi-Fi dongle
G-Sensor	Event recording by external shock
Speaker	Operation status alarm / voice guidance
Embedded GPS	Synced with Google map, keep track of location and speed
Angle Of View	Front: 150°, Rear: 140°
Viewer	Windows 7/8/10, Mac, support 32Bit / 64Bit, synchronizing Google The "Microsoft WebView2 Runtime" must be installed on an user's PC to see the Google map on ROADVIEW VIEWER.
Power	DC 12V - 24V
Allowable current of providing fuse	3A
Operation Temperature	-20°C ~ 70°C
Humidity	10~95%
Dimension (WxHxD, mm)	Front: 120 X 63 X 32.3 Rear (including the bracket) : 48 X 29 X 38

※ Specifications and components are subject to change without notice for quality assurance.

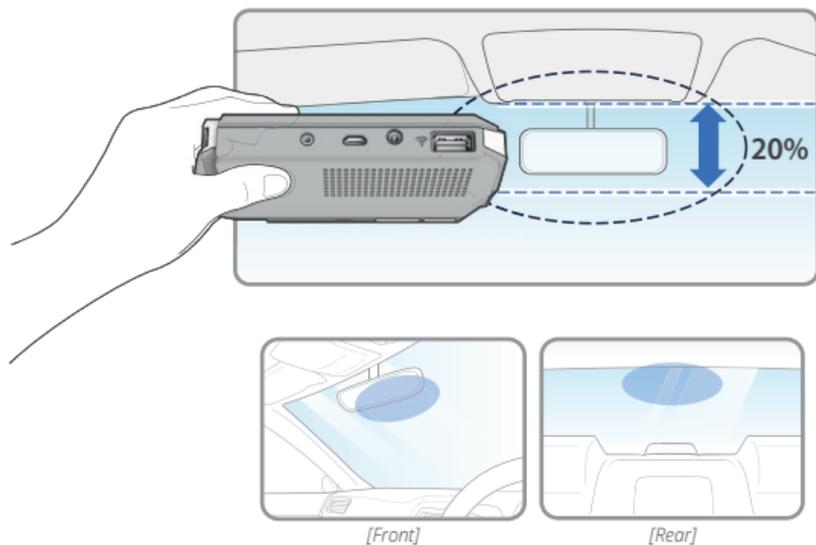
• How to install Dash cam

- 1 Assemble the front camera with the provided bracket in the order displayed. Make sure bracket is hooked correctly. Push and align it until a sound is heard. (①,②).



-
- 2 Once the bracket is secure, ensure that the memory card has been inserted. Proceed to peel the cover from the double sided tape on the bracket.

- 3** Install the front camera onto the front windshield of the vehicle making sure the angle and location is properly aligned.



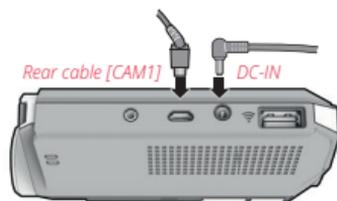
TIP: The adhesive is extremely sticky. Avoid touching the adhesive to the windshield until the mount is properly positioned and aligned.

- 4** Depending on the vehicle, the front angle may be different. It is recommend to hold a dash cam vertically based on a regular passenger car.

- Connect the power cable to the fuse box terminal inside the vehicle.
(The connected terminal should be one which is always supplied power even when ACC power is turned off, such as emergency lights and/ or door racks.) Otherwise if using a cigar power cable, plug it directly into the vehicle cigar socket.

3-Wire Power Cable

- Connect **VCC** to current fuse at vehicle start-off
- Connect **ACC** to a fuse that does not flow when the vehicle is switched off
- Connect **GND** to ground on the vehicle's body

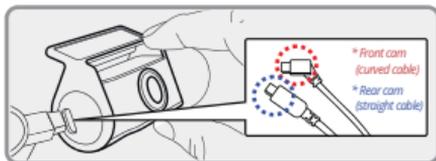


CAUTION

Roadview strongly recommends having an experienced installer with the proper knowledge of electrical systems install the device. Incorrectly wiring the power cable can result in damage to the vehicle or the battery and can cause bodily injury.

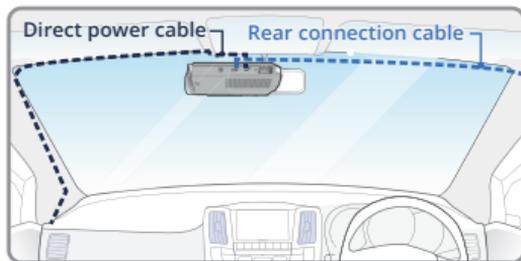
- Connect the other side of the power cable to the DC-IN labeled port of the front camera.

- 7** Attach the rear camera to the rear windshield of the vehicle and connect the cable to the front camera.

**WARNING**

When the cable is bent as shown in the picture, the data flow may be interrupted and a recording error may occur. Please be careful.

- 8** Carefully tuck the power cable and rear camera connection cable into the linings of the vehicle between the ceiling and glass.

**CAUTION**

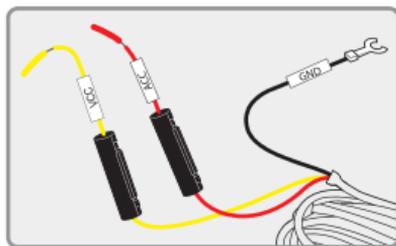
Roadview strongly recommends having an experienced installer with the proper knowledge of electrical systems install the device. Incorrectly wiring the power cable can result in damage to the vehicle or the battery and can cause bodily injury.

• How to Install Fuse Cable

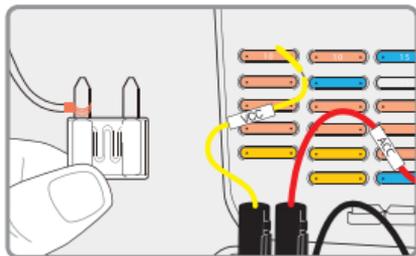
Please refer to the car manual because the fuse box is different depending on car model. It is recommended that install the power from the automobile shop. We are not responsible for any damage caused by self-installation.

1 Find the Fuse box using electric tester from fuse box of the vehicle.

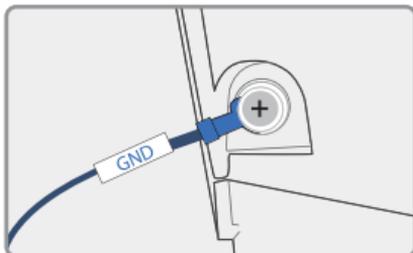
- ※ [VCC] (Yellow line) : When the car is off, it connects with fuse that current is flowing
- ※ [ACC] (Red line) : When the car is off, it connects with fuse that current does not flow



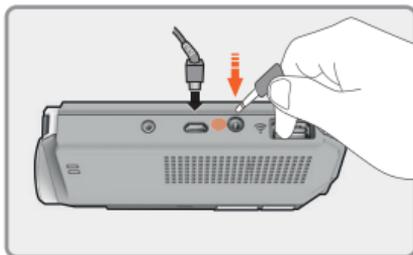
2 After connecting [VCC], [ACC] on vehicle fuse, put them into the Fuse box.



- 3** Connect [GND] line to vehicle.
(Do not connect the volt which is connected to dash board. Current is not flowing)

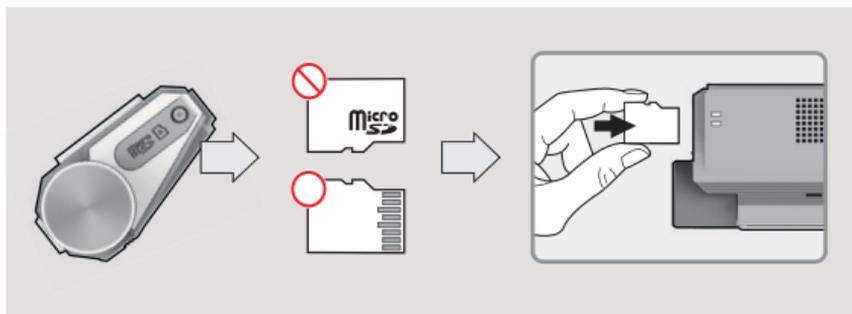


-
- 4** Connect the power cable to confirm the operation of product.
And organize cables to finish installation work.



• Inserting the Memory Card

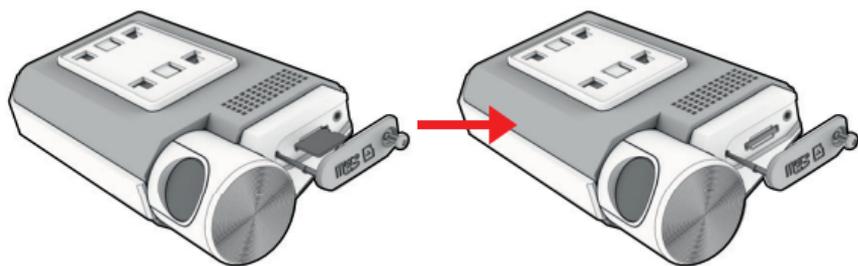
❗ Please be fully aware of the orientation of the Micro SD Memory Card.



- Push the Micro SD Memory card into the memory card slot until you hear 'click' sound.
- When using memory card for the first time or when the memory card is reused after format, the system will be in stand-by mode for 3~5 minutes to create system files and checking the memory card.
- Recording starts with voice guidance saying "Start recording"

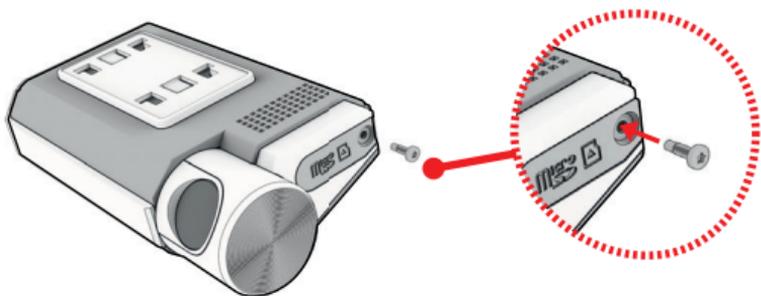
- SD Card Secure Cover

- 1 Open the SD card cover and insert the memory card.

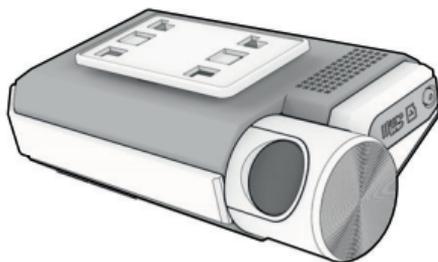


- SD Card Secure Cover

- 2 Then slide the SD cover into the hole as shown, and fasten the screw to the body.



-
- 3 Covering the SD card is completed.

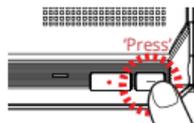


- Product Operation



POWER ON/OFF

Press the power button to turn the system off.
To restart the system, press and hold the power button.



Wi-Fi POWER ON

Press the Wi-Fi button once to enable the registration.



CHANGE INTO Wi-Fi OR CLOUD MODE

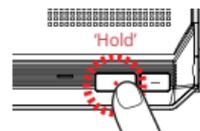
The Wi-Fi mode is changed to the CLOUD mode or the CLOUD mode is changed to the Wi-Fi mode if you press the Wi-Fi button for 3~4 seconds.

(At this time, when switching to the Wi-Fi mode or the CLOUD mode, dash cam is on and does not reboot)



MANUAL RECORDING

Manual recording begins when you press the button once.



FORMAT THE MEMORY CARD

Press and hold the manual record button for 8 seconds to format the SD card. Please note, this will erase all footage off the memory card.

• ADAS Function

Set the ADAS function at the GNET application.



① ADAS ON/OFF

Turn on and off all sub-features of ADAS at once.

② LDWS(Lane Departure Warning System)

When the car leaves the lane, the detection alarm will go off. LDWS only works if it is above the set speed.

③ FVSA (Front Vehicle Start Alarm)

When the distance between the car and the front is more than 2m away, the warning alarm beeps.

④ FCWS (Forward Collision Warning System)

When the driver approaches very close to front vehicle, the alarm will be ringing.



⑤ Lane departure detection sensitivity

Set the sensitivity as following 3 steps.
(Low, Medium, High)

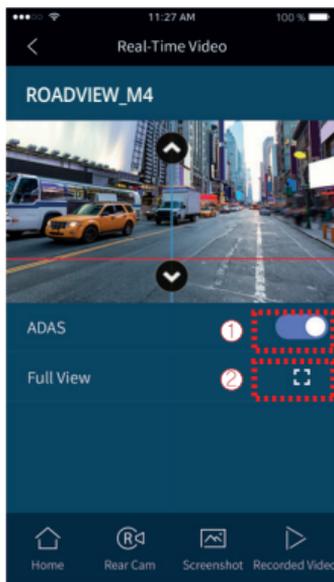
⑥ Lane departure detection speed

Set the lane detection speed limit.
(50km/h, 60km/h, 70km/h)

⑦ Collision detection sensitivity

Set the collision detection sensitivity as following 3 steps.
(Low, Medium, High)

- ADAS Lane correction



To improve the ADAS recognition rate, it is recommended to adjust the dash camera position by matching the end of the vehicle bonnet line on condition that "the lane correction button" is turned on in the real time screen.

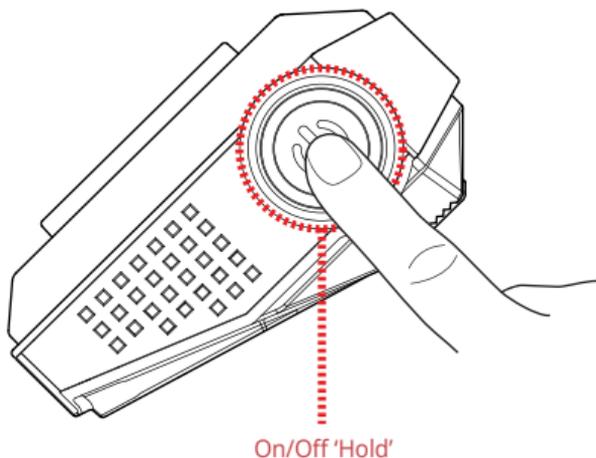
- ① Guideline view on / off
- ② Full screen view (landscape)



- ① Up
- ② Downward
- ③ Back
- ④ Save
- ⑤ Guideline view on / off
- ⑥ Screen zoom out

- **Dash cam Power On/Off**

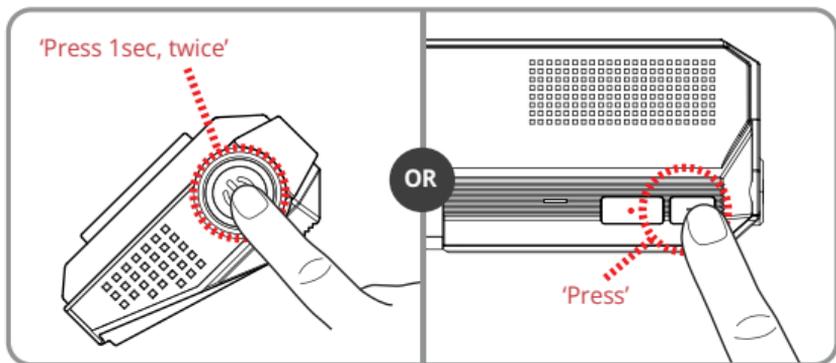
Press the power button to turn the system off.
To restart the system, press and hold the power button.



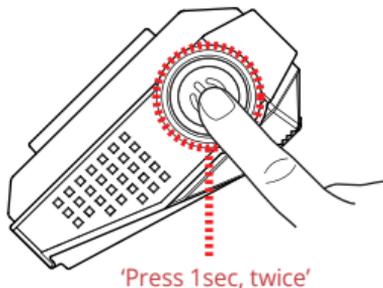
! In case of turn the system off by holding the power button, you have to press and hold the power button again in order to restart the system.

•Wi-Fi Power On/Off**Wi-Fi Power On**

The Wi-Fi power will be on when you press the power button for two times or press Wi-Fi button for 1 time.

**Wi-Fi Power Off**

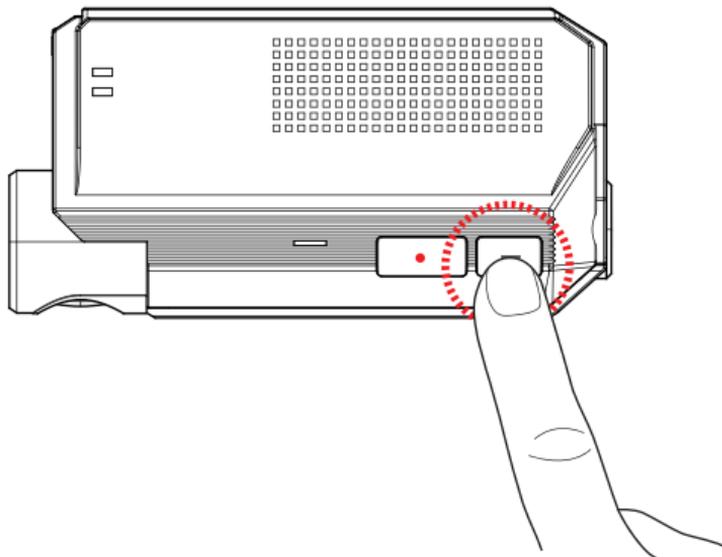
The Wi-Fi power will be off when you press the power button for two times.



• Change Into Wi-Fi or Cloud Mode

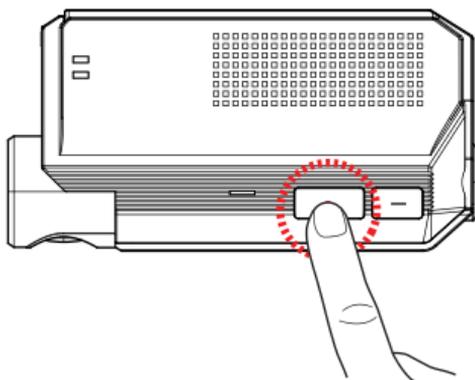
The Wi-Fi mode is changed to the CLOUD mode or the CLOUD mode is changed to the Wi-Fi mode if you press the Wi-Fi button for 3~4 seconds.

(At this time, when switching to the Wi-Fi mode or the CLOUD mode, dash cam is on and does not reboot)



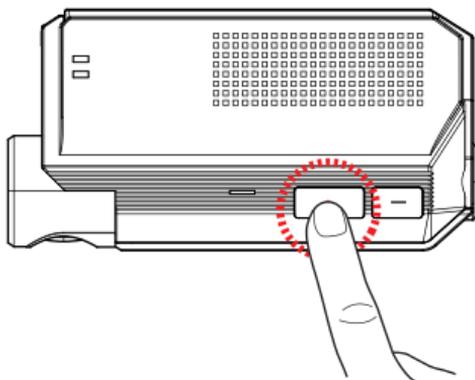
- **Manual Recording**

Manual recording begins when you press the button once.



- **Format The Memory Card**

Press and hold the manual record button for 8 seconds to format the SD card. Please note, this will erase all footage off the memory card.



• Recording Mode

<p>Normal Recording</p>	<ul style="list-style-type: none"> - When the power is connected, the normal recording will start. - Security LED flickers left and right every 2 seconds. 	
<p>Event Recording</p>	<p>Impact Recording</p>	<ul style="list-style-type: none"> - If there is impact or shock, the record LED will flicker and record in event recording mode. - After event recording is finished, it will be automatically changed to normal recording mode.
	<p>Parking Recording</p>	<ul style="list-style-type: none"> - When the vehicle is switched off, the parking mode automatically operates after 10seconds (3 Wired). - Parking mode is recorded at 1 frame per second to reduce the amount of storage used on the memory card - In parking mode, security LED flickers left and right every 4 seconds - When the vehicle is restarted, the camera switches to normal recording mode (3 Wired).
	<p>Motion Detection recording</p>	<ul style="list-style-type: none"> - Under parking mode, the device will record any movement happening within around 3 meters. - Security LED will quickly flicker. - When no motion is detected, it automatically changes to parking mode.
<p>Manual Recording</p>	<ul style="list-style-type: none"> - If you press the manual recording button, the device will recognise the moment as an event and sort out the video in seperated folder 'manual'. - It is recorded in 30 frames and security LED will quickly flicker. 	

- Voice Guidance

CONTENTS	VOICE GUIDANCE
Normal recording	Start recording.
Abnormal recording	Video is not being entered.
Enable registration	Stand-by mode for Wi-Fi registration.
Disable registration	Stand-by mode for Wi-Fi registration.
No Wi-Fi Dongle (or in cloud mode)	No Wi-Fi Dongle.
Complete the smartphone registration	Complete the registration.
Already registered smartphone	Already registered smartphone.
Connect the Wi-Fi	User's connected.
Disconnect the Wi-Fi	User access disabled.
Connect the cloud	Cloud is connected.
Disconnect the cloud	Cloud is disconnected.

- Voice Guidance

CONTENTS	VOICE GUIDANCE
Change to cloud mode	Change to cloud mode.
Change to Wi-Fi mode	Change to Wi-Fi mode.
Wi-Fi power On	Wi-Fi power is on.
Wi-Fi power Off	Wi-Fi power is off.
Change the Smartphone setting	Setting changed and reboot.
Change parking mode to normal recording	Driving mode to start recording. Safe driving.
Format the Micro SD memory card	On- formatting the memory card. Please wait.
No Mirco SD memory card	No Memory card.
Micro SD memory card damage	Memory card is damaged and can not be recorded.
Micro SD memory file system recover	Reboot because of the damaged memory card. Please replace the memory card if this continues.
Update the firmware	On installing the program. Do not turn off the power.
Fail to firmware update	Program file is corrupt and can not be installed.
Event recording alarm	Impact event has occurred during parking.

MEMORY CARD VIDEO FOLDER

- 1 Ensure the dash camera is fully shutdown prior to removing the memory card

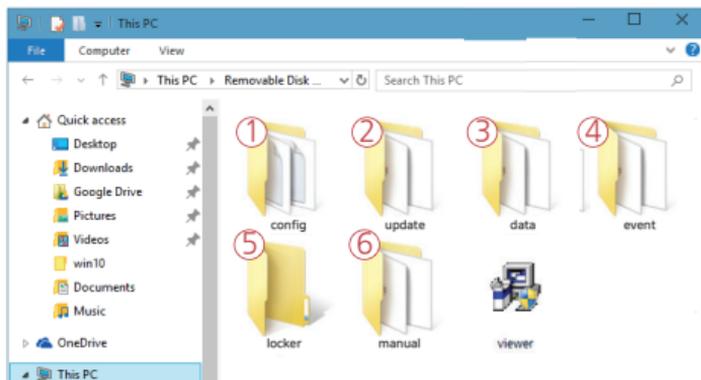
- 2 Insert the memory card into the memory card adapter and connect it to your PC

- 3 Select the removable disk in the explorer folder.
 - Folders in the removable disk are displayed as shown on the following page.
 - When the event storage capacity is more than 10%, the [Events] folder is created.



**Do not randomly delete or format files in the memory card.
Back up your important files in advance.**

MEMORY CARD VIDEO FOLDER



Predictable recording time of SD memory capacity (Default: All cameras : Max. 30 FPS)

32GB(2hrs), 64GB(4hrs), 128GB(7hrs 40mins), 256GB(15hrs 20mins),
512GB(30hrs 40mins), 1TB(61hrs 20mins)

※ Total recording time may be different depending on use conditions and environment.

① Config (Manage system)	Log.txt : It records the device's statement in a log file. Version.ini : Saving version information of device.
② Update (Firmware update)	The latest firmware is stores and updated automatically, or it can be updated by manually inserting the firmware.
③ Data (Normal recording)	Recordings are saved. File list numbers are different depending on the Micro SD memory card's capacity.
④ Event (Event recording)	Event(impact) data is stored. * The event on parking mode is saved in the general 'Data' folder.
⑤ Locker (Locked recording)	It prevents a video file from being overwritten.
⑥ Manual (Manual recording)	The manually record video is saved.

- **Download our smartphone app**

- Available for Android and Apple iOS. Search 'ROADVIEW' on Google Play and App Store.

- Simply scan and access the QR code below.



- **Precaution before connecting the Smartphone**

- Set the time zone on the ROADVIEW app or the viewer.

- Smartphone make, model, or specification can interfere and delay real time video playback.

- DO NOT operate the device or adjust App settings while driving.

Please always safely pull over when interacting with ROADVIEW products.

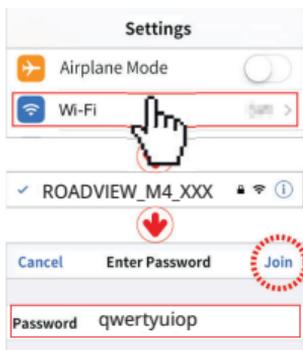
• How to connect an Apple iOS smartphone

- 1 Install RoadView App on your smart phone.

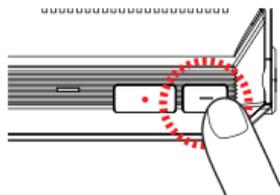


- 2 Go to the IOS Settings and select the Wi-Fi network name starting with ROADVIEW_M4_XXX.

Once the network name is selected, enter the network password 'qwertyuiop'.



- 3 Press the Wi-Fi button on the ROADVIEW M4 device as pictured.



- 4 Select the dashcam Wi-Fi from the Wi-Fi menu on your iPhone.

* If the connection fails due to a weak Wi-Fi signal, please carefully unplug and re-insert the Wi-Fi dongle back into the camera. Proceed to try the connection again by pressing the Wi-Fi button to enter stand by mode.

- 5 Open the RoadView App. Dashcam will announce "Complete the registration" once connection is complete.

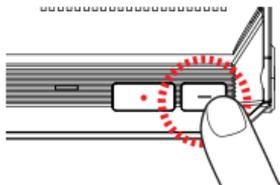


- How to connect an Android smartphone

1 Install RoadView App on your smart phone.



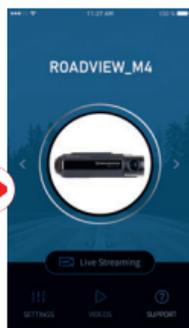
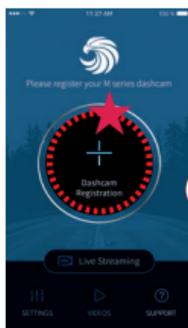
2 Press the Wi-Fi mode on ROADVIEW M4 device as pictured.



3 Open the RoadView App.

4 Press the + icon to add a new dashcam to the dashcam list.

5 Press connect once the dashcam has been added.

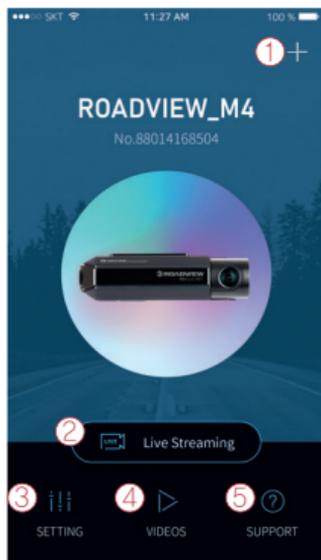


[★] will indicate first time ►
connection to the device

6 Dashcam will announce "Complete the registration" once connection is complete.

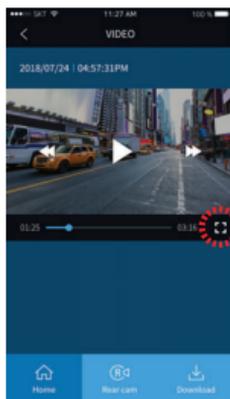


• APP Main Screen Description



- ① This function allows you to connect other Dashcams or delete the registered devices. Supported only on Android mobile
- ② Real-Time Video: You can watch a real-time video.
- ③ Settings: You can easily change settings via your smartphone. After changing the settings, press "Save" button to reboot the dashcam.
- ④ Recorded Video: You can see a recorded video of the dashcam. The video that you need can be saved to the mobile device via download.
- ⑤ Customer Support: You can get help with connection via customer support on app or you can get help by calling our customer support center.

App screen description for a recorded video



Both vertical and horizontal modes are provided in real-time and recorded videos, allowing you to view the images in a wider screen depending on the situation.

- Both mobile apps(Android / iOS) and web are available.



- App



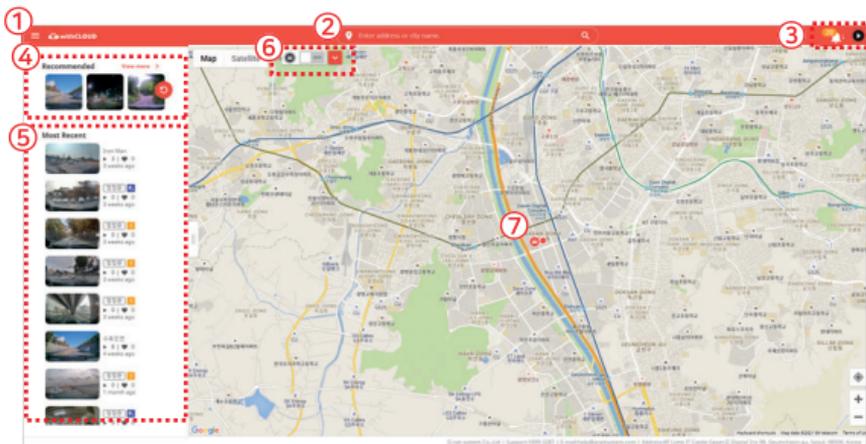
withCLOUD



- Web (You can access it through the address below)

<https://cloud.gnetsystem.com>

- Main (PC)



① Menu button

② Location search(Enter City or Address) : The map moves to the area you searched for.

③ Event alarm : It is displayed when an event occurs, and when you press an event on the list, the video is played.

User icon : You can select Channel / Settings / Logout

④ Recommended : The video is recommended in the order of high views and likes.
Press 'View More' to go to the recommended video page.

⑤ Recent videos : The latest shared video will be displayed based on the location.

⑥ Show only my vehicle : my vehicle only on the map switching ON/ OFF button.
Quick menu(My vehicle) : Run basic menus right away without finding a vehicle on the map.
(If there are multiple vehicles, this is the most recently accessed vehicle.)

⑦ Vehicle icon

Other user's vehicle



My vehicle(Driving)



My vehicle(Parking)



- Main (Mobile)



① Menu button

② Event alarm : It is displayed when an event occurs, and when you press an event in the list, the video is played.

User icon : You can select Channel / Settings / Logout

Location search(Enter City or Address) : The map moves to the area you searched for.

③ Open/fold the side tabs : Press the button to open and close the left tab.

④ Recommended : The video is recommended in the order of high views and likes.
Press 'View More' to go to the recommended video page.

⑤ Recent videos : The latest shared video will be displayed based on location.

⑥ Show only my vehicle : Function to show only my vehicle on the map. Can set ON/OFF.

Quick menu(My vehicle) : Run basic menus right away without finding a vehicle on the map.
(If there are multiple vehicles, this is the most recently accessed vehicle.)

⑦ Vehicle icon

Other user's vehicle



My vehicle(Driving)



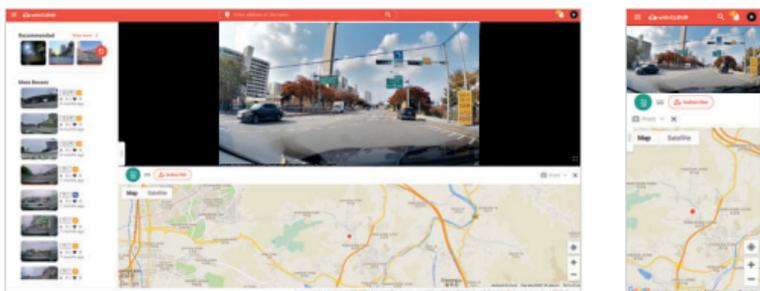
My vehicle(Parking)



- Live video / Recommended

Live video

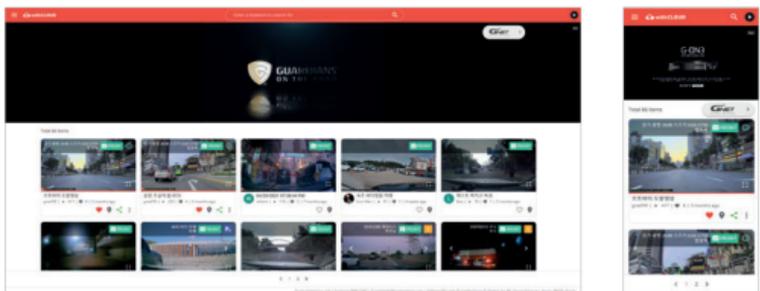
You can check the real-time image by selecting the vehicle icon of the user who shared your vehicle or location/video on the map.



Recommended

The function of recommending videos with high views and likes.

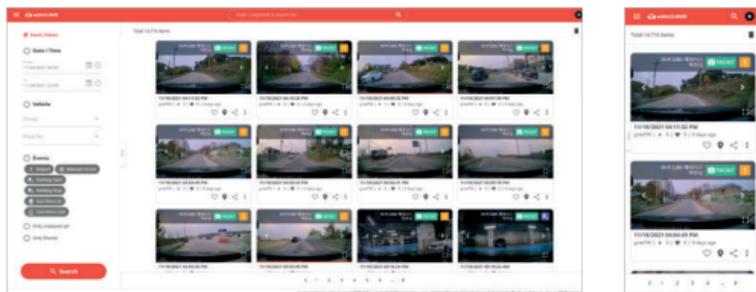
If you press 'More' in the recommended video on the main screen, it moves.



- Event videos / Channel

Event videos

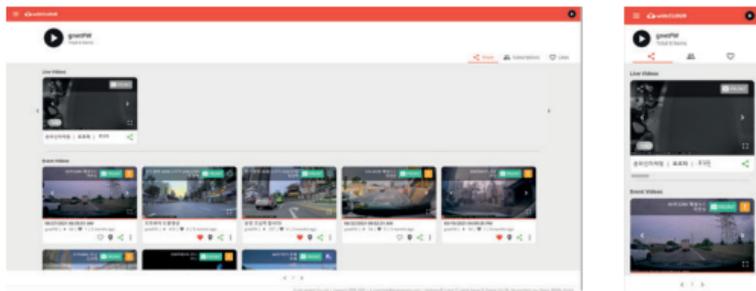
A screen where I collect event videos of my vehicle. You can set up or delete sharing, and search for videos by date/vehicle/event.



Channel

You can view the event video shared by the user, the subscription channel, and the shared video that you like.

Live video of my vehicle is displayed at the lower end of the profile area.



- Vehicle management / GPS Tracking

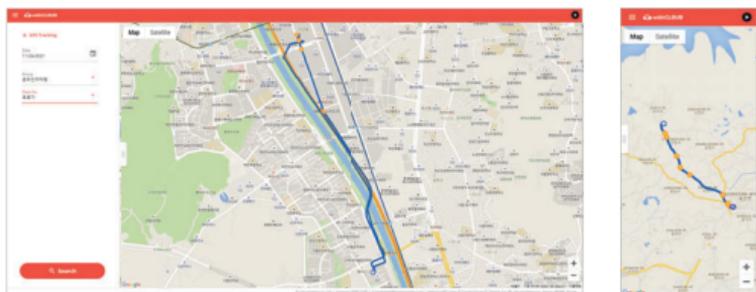
Vehicle management

In the registered vehicle, such as setting the location of my vehicle, setting the black box, and setting the cloud plan, all settings related to it are possible. You can check by selecting the photo/text mode of the list.



GPS Tracking

You can view the driving record of the vehicle by date, vehicle, and section, and an event while driving. The details are also displayed. If you press the driving history, you can know the driving time, mileage, and departure/arrival time.



! The PC specification should be over 'CPU i5 3.0 GHz, Memory 4GB' to play the Full HD. If the PC specification is lower than standard, it is possible to happen "No-play back" or disconnect

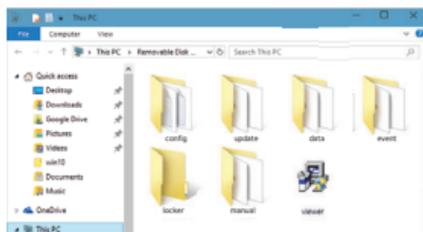
- 1** After the dash camera has been powered up for the first time, the camera will create a file system on the memory card which includes the PC viewer program.

- 2** Power the dash camera down and remove the MicroSD card. Insert the MicroSD card into your PC using an adapter if required.

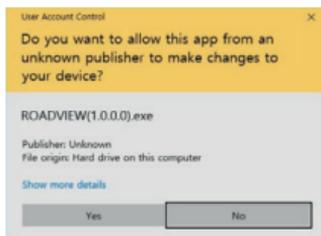
- 3** Depends on the capacity, the recording time will be different. At first use, take 3~5 minutes to initialize and create the file system (All LED flicker while initializing. After it starts recording, REC LED will turn on). Therefore do not turn off the power.

- 4** Insert the Micro SD memory card to PC.

- 5** Install the [Viewer.exe] file in the Micro SD memory card as picture shown.



- 6** Click the [YES] button on the user control menu.



- 7** Click the [Next] button and click the [Installation] button.



- 8** Confirmation the latest version pop-up will appear as picture shown if network is connected. If there is no internet connection, PC Viewer program will be executed directly.



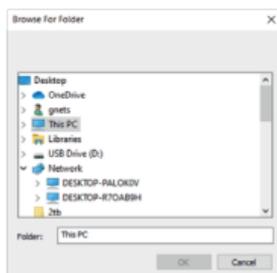
- 9** Click the [Execute a viewer] button to start viewer program.

- 10** When the installation is completed, the PC Viewer program runs automatically and RoadView icon will be created on the computer.



- 11** [Open the file]

When click the file button(), the browse folder will appear like picture. And select removable disk, Press [OK] button.



• PC Viewer (Window)



① Tool Box

	Save		Folder Open
	Print		Setting

② Google Map

When GPS and internet are connected, it will work normally

③ Playlists and Information Display

④ GPS reception window

It can be used only when GPS is connected

⑤ Video control popup

	Thumbnail
	Draw a lane
	View a video
	Split View
	PIP View
	Toggle (change) color

⑥ G-sensor (acceleration) graph

⑦ Speedometer

(It can be used only when GPS is connected)

⑧ Play a recorded video

	forward play
	Pause
	Repeat event video
	Previous, Next Event
	Play one frame

⑨ Adjust playback speed

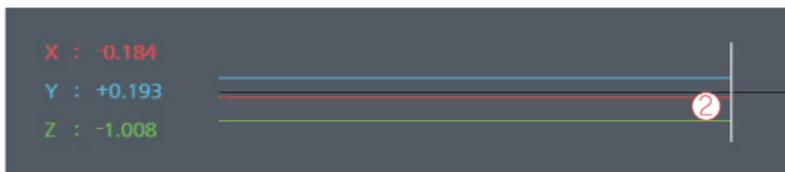
⑩ Sound control

- How to Check G-sensor data

When you play the video, three-dimensional coordinate system information (G-sensor data) on the X-axis(progress direction), Y-axis (left-right), and Z-axis (height) of the image currently being played at the G-sensor data location is output.



<Magnification of G-sensor data>



- ① The location of the image currently being played
- ② Numerical values and graphs of three-dimensional coordinate system information (G-sensor data)

• PC Viewer (Mac)



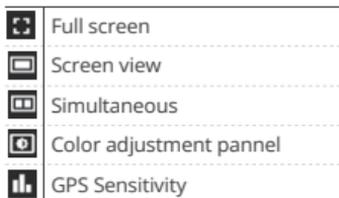
① Download button



② Upper button



③ Video control popup



④ Google Map It can be used when internet are connected.

⑤ Playlists and information display

⑥ GPS reception window

⑦ Sound control

⑧ Play a recorded video



⑨ Adjust playback speed

⑩ G-Sensor (acceleration) graph

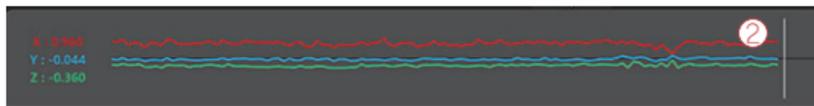
⑪ Speedometer

• How to Check G-sensor data

When you play the video, three-dimensional coordinate system information (G-sensor data) on the X-axis(progress direction), Y-axis (left-right), and Z-axis (height) of the image currently being played at the G-sensor data location is output.



<Magnification of G-sensor data>



- ① The location of the image currently being played
- ② Numerical values and graphs of three-dimensional coordinate system information (G-sensor data)

Q

The dash cam makes a “ding dong” sound while driving.

A

As an impact detection sensor inside the dash cam detects impact or curve while driving, there is a buzzer sound with LED flickering.

It means that the dash cam is working correctly.

If the sound from the device bothers you, you can configure the sound and buzzer to turn on/off via a dedicated viewer or an app.

Q

The recordings are out of focus.

A

Out-of-focus issues are caused by incorrect positioning during installation, even if not a lens defect. So, make sure you have the dash cam installed in an exposed position on the windshield. Please kindly move the camera position and try to check the video again. Before installing the dash cam, you must clean the car's windshield. Dust, excessive pigmentation, and backlighting can blur the video quality. If it still doesn't work after trying all the solutions.

Take a video of the problem and contact your seller or manufacturer.

Q

Is dash cam available for a tinted car?

A

Dark shades can affect clear vision and video quality. If the video is too dark to recognize any objects in the video, it is recommended to remove the tint where the dash cam is installed.

Q

Parking mode doesn't work on curves or slopes of the road.

A

To switch to parking mode, the dash cam needs some information such as the path of travel and the horizontal angle of the car. If the car is parked on an incline, the dash cam may not recognize that the car is stationary. In other words, the vehicle maintains an angle above the specified value, the dash cam may misunderstand that some event has occurred.

Q

How can I set the date and time through ROADVIEW viewer?

A

Insert the memory card into your PC and open the dedicated PC viewer. Select the time zone to match the date and time on your current location in Settings and save it. Then, reinsert the memory card into the camera and start over. Setup is completed in a few minutes depending on your environment.

Q If the dash cam is connected with a constant power cable, won't the car battery discharge?

A Our dash cam has a function that automatically turns off when the voltage value of the car engine is below. The feature, LBP(Low Battery Protector) prevents car battery discharge and it gives the minimum battery charge rate so that the driver can activate the engine without failure. However, in winter, depending on the battery condition and cold temperature, the car battery may be discharged due to the nature of the battery. If the battery has been used for more than 2-3 years, please replace the car battery for safe use.

Q My car was discharged even though I installed the dash cam with a constant power cable.

A First of all, you need to make sure if the fuse cable connections are installed correctly according to the instructions. Home users may not be accustomed to hardwired compared to cigar jack cables. ACC (red) should be connected to a fuse that is powered when the car engine is turned on. VCC (= B +) (Yellow) should be connected to a fuse that retains power even when the car engine is off. GND (black) should be connected to a bolt that makes physical contact with the metal surface around the fuse box. Plus, you need to check the battery life. An aging battery will affect the battery level. If the problem persists even after testing using both methods, please contact the seller or manufacturer's customer service center.

Q

Is dash cam used with AC adapter?

A

Our products are only for car and it is not available to use with AC adapter.

Q

There is noise in the recordings.

A

Dash cam records any sound in your vehicle by amplifying the sound for better recordings. Even if it seems there is no sound around the camera, a few noises may be recorded. Please be aware that it is operating normally.

If the sound cannot be recognized due to noise, you should contact the seller or manufacturer.

Q

The dash cam doesn't turn on at all.

A

[Using Cigar jack Cigarette cable]

- Please make sure if cigar jack cable is correctly working or not.
- Confirm that power socket of cigar cable is correctly connected.
- Please check if it is on parking mode. The dash cam only works on the driving mode.

[Using Fuse cable/ OBD power cable]

- If input voltage goes down below LBP(lower battery protection) value setting, dash cam interrupt power itself to protect car's battery.
- Please check dash cam operation after turn on car and charge car battery.



Voice is not recorded.



If the voice recording is not working properly, please check the feature in the Gnet App and the Viewer whether its function is off. If the function is on but you cannot hear any sounds, the speaker is probably damaged.

In the case of LCD model dash cams, you can change the function by touching the LCD screen without using the App or the viewer.



Why user should use genuine memory card.



Each manufacturer's memory card has a different NAND flash and an internal controller. Our genuine memory cards have not only been tested in multiple test environments for many years but are also best compatible with our products.

A memory card is an important storage device and must be well-compatible with the device to read and write data every few seconds during operation. Normal operation and warranty service cannot be guaranteed when using dash cams with other brands of memory cards.

**The voice repeats from the camera.**

If you have any trouble with voice guidance repeated, there are some solutions you should try on.

- i) Please turn off the power of dash cam.
 - ii) Take out the memory card and insert it into your PC to format the SD card.
 - iii) Check if the rear/ inner camera is connected well.
-

**How to use products stably.**

1. Keep the dash cam lens clean regularly. Fingerprint and dust on the lens are some of the problems that cause blurred video quality.
2. Make sure your dash cam is working properly.
It may not perform well due to some errors such as a defected memory card or a bad connection with the power cable.
3. Check and format the memory card once a week if the user uses a constant power cable.
 - Basically, our products support a format-free function for a user's convenience. But, it may strain on your memory card while it is reading/ writing. Also, the error can occur due to excessive file operation on the memory card.
4. Please separate the power jack when you do not use a car for a long time.
 - The standby power consumption when the car engine is off will cause the complete car battery drain.

Q

If I download a video on my smartphone, where can I find it?

A

It is different system depends on the manufacture.

A. Samsung : My file → Device Internal storage → DCIM → ROADVIEW

B. LG : File management → All files (or Internal storage → DCIM → ROADVIEW)

C. iphone : Camera roll (on Photo album)

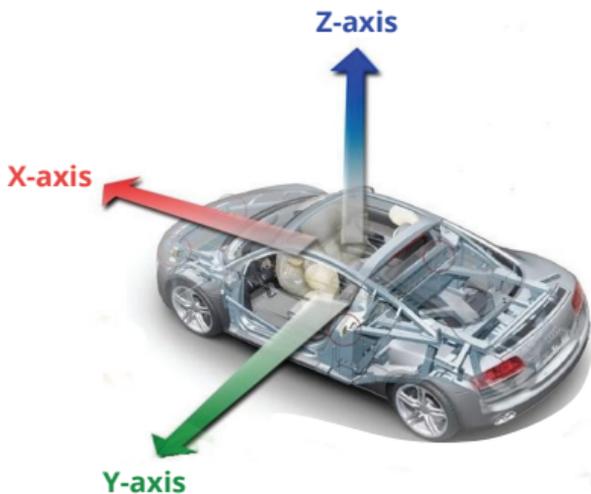
If you can not find the files, Search for "DCIM" folder on your smartphone



What is the G-Sensor?



The G-sensor (Gravity Sensor) is a sensor that recognizes the movement or tilt of an object due to the action of gravity on the Earth.



X axis:

Front and rear shock and acceleration (+) and deceleration (-) are shown in red.

Y axis:

On the left (+) and right (-) sides, the impact and left/right movement (turn left, turn right) are shown in green.

Z axis:

The top (sky +) and bottom (ground -) impacts are shown in blue.



What is the LBP?



LBP stands for Low Battery Protector, which checks the voltage of the car battery in real-time to prevent the car battery from discharging by turning off the dash cam at low voltage.

The purpose is to save the minimum power of the vehicle battery to be able to start the vehicle.

It can be set in 9 steps of 11.3V, 11.5V, 11.8V, 12V, 12.3V, 12.5V, 12.8V, 13.1V, 13.4V in the LBP voltage management system, and the dash cam turns off when it is below the threshold value for 30 seconds.

Configurable voltage (V)					
Power OFF	11.3V	11.5V	11.8V	12V	12.3V
	12.5V	12.8V	13.1V	13.4V	

Q

What is the Parking mode ?

A

Parking mode means the dash cam records and stores videos when the vehicle is not being driven.

In the case of using a 3-wire constant power cable, if the ACC power cuts off after parking which means you turn off your vehicle, it enters the parking mode immediately. Entering parking mode, the dash camera recording frame (FPS) is automatically changed from the designed FPS(30FPS in general) to 1FPS. It is changed to 10FPS when movement defects or impacts occurred to minimize unnecessary recording time. In other words, parking mode can record much longer than normal driving mode.

Q

What is the Smart Motion Detection?

A

During parking:

When parking mode is on, the dash cam records at 10fps.

When parking mode is off, the dash cam records at 30fps.

When parking mode is on and motion detection is OFF, the dash camera continues recording at 1fps.

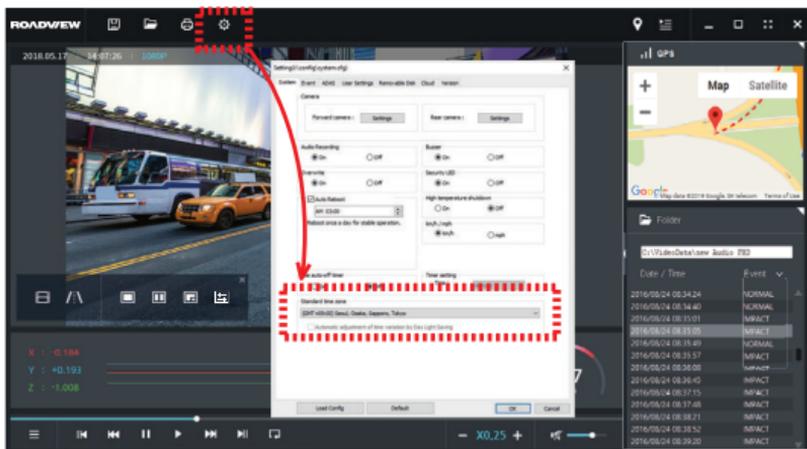
When both parking mode and motion detection are on, the dash camera will start recording at 10fps only when motion is detected.

Q

How can I change the time of device without LCD screen ?

A

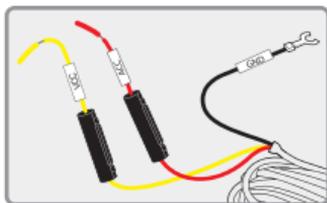
In PC VIEWER, you can enter the **Setting > System > Standard time zone** as below



Q

How to use direct power cable (3 Wired Type)

A



1. For the continuous recording even when the ignition is turned off, please refer to each cable below.

Black cable(Ground) should be connected to the ground on a car.

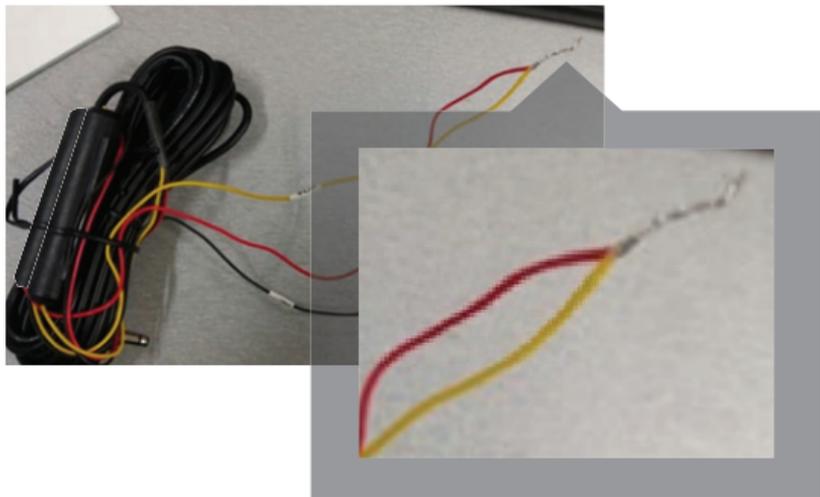
Yellow cable(VCC) should be connected continued the power supply of a fuse in the fuse box. (ex : Emergency light, Hazardous light, Door lock, etc)

Red cable (ACC) should be connected to power supply of a fuse which is operated when turning on ignition (ex : cigar light fuse, etc)

2. If you do not want to record when the ignition is turned off, please refer to below.

Black Cable (Ground) should be connected to the ground of the car.

Twist **Yellow Cable (VCC)** with the **Red cable (ACC)** as shown below.



These twisted cables should connect to the power supply of a fuse which is operated when turning on the ignition. (ex : cigar light fuse, etc)

**No power (no boot)**

- i) Unplug the power jack and plug it back in.
 - ii) Ignite the vehicle in the case that the power of dash cam is powered off by LBP.
 - ii) Check if the cable of VCC or ACC is disconnected.
-

**Video input error**

Regarding of rear camera, you should check the connection between the cables. However, if a video from the front camera doesn't appear, it may occur by the damaged image sensor. Please ask the seller or customer service center at MotorOne.



SD card damage



Turn off the dash cam and take off the SD card. And then, reinsert it and turn the dash cam on. Otherwise, it is related to the life of the SD card.

If you experience the same symptoms afterward, contact us within 3 months of warranty.



Vehicle battery discharge



1. Check the cable connection.
2. Check whether it is a 2-wire or a 3-wire type.
(2-wire type does not apply to items ② below.)
3. Cause of discharge

① Especially, in winter, the cold weather weakens the vehicle's battery performance, and short driving times can cause the vehicle to discharge. It prevents from being discharged discharge by activating the LBP function being symbiotic with the car battery.

② Setup → Voltage Management → LBP On → LBP Cutoff Voltage is set 12.3V as default.

Turn off your device if you need to park for more than 24 hours. Even when LBP is set, the battery may drain during long-term parking.



Recovery Inquiry



1. Video that has been stored for a long time is overwritten, making it difficult to restore.
2. If the user checked the SD card on the computer and accidentally deleted the JDR file from the data/events folder (or for any reason), insert the the SD card into the device and boot -> Recovery.

※ If you format the SD card, it can't be recovered.

WARRANTY CARD

Product	Dash cam	Model	M4
Serial Number		Purchasing Date	
Consumer Information	Name	Tel	
	Address		
Seller / Vendor		Tel	
Warranty Period	Dash Camera : 5 Year Micro SD card : 12 months		

* If you require product repair, service and/or support, please contact your local seller or send us an email: info@motorone.com

USING 「withCLOUD」

- Both mobile apps (Android / iOS) and web are available.



- App



withCLOUD



- Web (You can access it through the address below)

<https://cloud.gnetsystem.com>

MotorOne

www.motorone.com | info@motorone.com

