BLACKVUE™

DR430-2CH
Manual

Table of Contents

Introduction

Thank you for purchasing this BlackVue dashcam made by Pittasoft Co., Ltd.

This instruction manual contains information on how to operate your dashcam.

Before using your dashcam, we recommend that you read through this manual to ensure correct usage.

To improve the performance of the product, the contents of this manual are subject to change without prior notice.

Note

- A formatted microSD card is provided in the BlackVue dashcam when you purchase the product. After turning on the power of the dashcam, the microSD card will be initialized and programs such as BlackVue Viewer will be installed.

Important safety information

For user safety and to avoid property damage, read through this manual and follow these safety instructions to use the product correctly.

> 🚫 **DANGER**   Failure to observe the following directions could result in death or property damage:

- **Do not disassemble, repair, or modify the product yourself.**

  Doing so may cause fire, electric shock, or malfunction. For internal inspection and repair, contact the service center.

- **If any foreign matter gets inside the product, detach the power cord immediately.**

  Contact the service center for repair.

- **Do not adjust the product while driving.**

  Doing so may cause an accident. Stop or park your car in a safe place before installing and setting up the product.

- **Do not install the product in a location where the product can interfere with the driver's field of vision.**

  Doing so may cause an accident.

- **Do not use a damaged or modified power cord. Only use the cords provided by the manufacturer.**

  Damaged or modified power cords may cause an explosion, fire, or malfunction.

- **Do not operate the product with wet hands.**

  Doing so may cause electric shock.

- **Do not install the product in an environment with high humidity, or combustible gases or liquids.**

  Doing so may cause an explosion and/or fire.

⚠️ **WARNING** Failure to observe the following directions could result in death or serious injury:

- **Do not leave the product near infants, children, or pets.**

  There is a risk of them swallowing small components, and/or their saliva may get into the product, causing an explosion due to a short circuit.

- **Do not spray water or wax directly onto the product while cleaning the inside of the car.**

  Doing so may cause fire, electric shock, or malfunction.

- **If smoke or an unusual smell is emitted from the power cord, detach the power cord immediately.**

  Contact the service center or your distributor.

- **Keep the terminals of the power cord clean.**

  Failure to do so may cause excessive heat and fire.

- **Use the correct input voltage.**

  Failure to do so may cause explosion, fire, or malfunction.

- **Plug in the power cord firmly so that it cannot easily be disconnected.**

  Failure to do so may cause fire.

- **Do not cover the product with any material.**

  Doing so may cause external deformation of the product or fire. Use the product and peripherals in a well-ventilated location.

⚠️ **CAUTION**   Failure to observe the following directions could result in injury or property damage:

- **Do not spray cleaning products directly onto the product.**

  Doing so may cause discoloration, cracks, or malfunction.

- **If the product is used outside the optimal temperature range (-20℃ – 60℃ / -4°F – 140°F), performance can decline or malfunctions may occur.**

- **Make sure that the product is installed properly.**

  If installed incorrectly, vibrations may cause the product to fall, and may cause physical injury.

- **When entering or exiting a tunnel, when directly facing into bright sunlight, or when recording at night without lighting the quality of recorded video may deteriorate.**

- **If the product is damaged or the power supply is cut due to an accident, video may not be recorded.**

- **Excessively tinted windshield glass can distort the recorded video or cause recorded video to be indistinct.**

- **Prolonged use of the product can increase the interior temperature and cause burns.**

- **microSD cards are consumables, so replace microSD cards after prolonged use.**

  microSD cards may not record video correctly after extended use, so check the microSD card's recording capability periodically and replace as necessary.

- **Clean the lens regularly.**

  Foreign material attached to the lens can affect the recording quality.

- **Do not remove the microSD card while the microSD card is saving or reading data.**

 The data can be damaged or malfunctions may occur.

- **It is recommended that you install the software and firmware from the BlackVue download page. You can access the BlackVue download page on the BlackVue website (www.blackvue.com).**

- **It is recommended that you remove the power cord if the product (BlackVue dashcam/Parking Mode Hardwiring Kit) is not used for an extended period of time.**

Overview

❯ In the box

Check the box for each of the following items before installing the BlackVue dashcam.
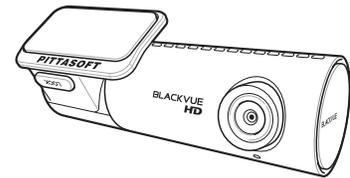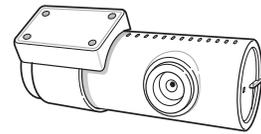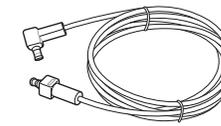
|		
Front camera	Rear camera	Rear camera connection cable
Power cord	Cable clips (8 EA)	Double-sided tape for the Mounting Brackets
microSD card	microSD card reader	Quick start guide
Pry tool	External GPS (Optional)	
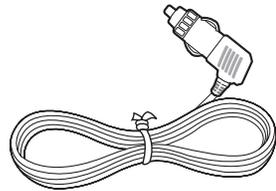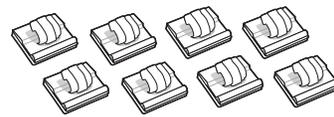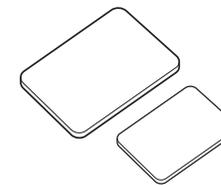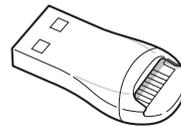
📝 **Note**

- The illustrations in this manual may differ from the product.
- To improve the performance of the product, the contents of this manual are subject to change without prior notice.
- For more information about the package components and accessories, visit the BlackVue website (www.blackvue.com).
- You can find the microSD card in the BlackVue dashcam.

⟩ At a glance

The following diagrams explain each part of the BlackVue dashcam.

☐ Front camera

115.9 mm

Lock button

Camera lens

42.6 mm

LOCK

BLACKVUE
HD

34 mm

Mounting bracket
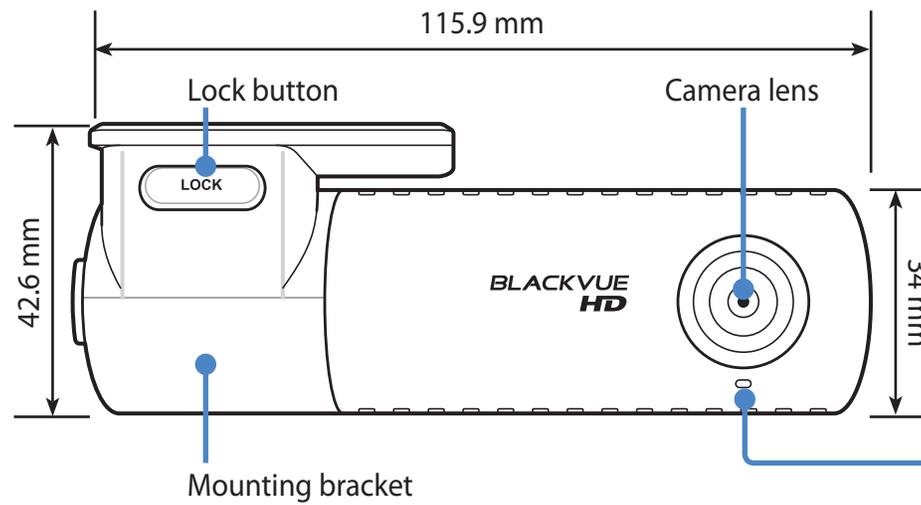
Front security LED

▣ : Blinks slowly in normal and parking mode.

▣ : Blinks quickly when an event is being recorded (impact detected) or motion is detected in parking mode.

REC GPS
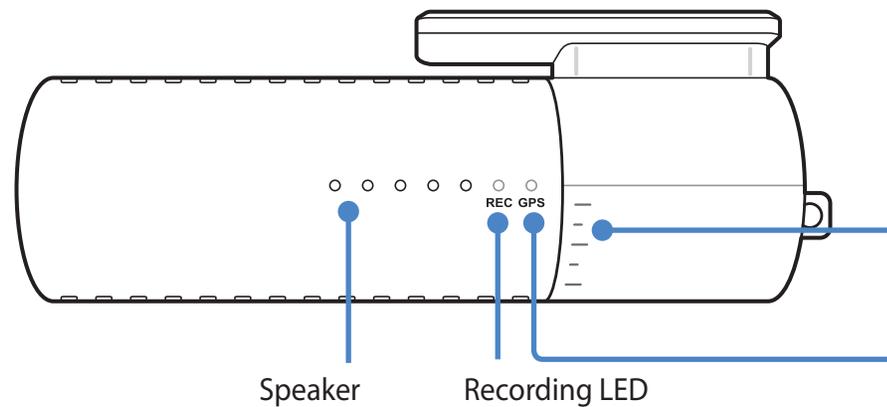
Angle indicator: You can easily set up your preferred camera angle using the white lines.

Speaker

Recording LED

🔴 : Blinks slowly in normal and parking mode.

◉ : Blinks quickly when an event is being recorded (impact detected) or motion is detected in parking mode.

GPS LED

🔵 : GPS is on.

Rear (rear camera connection port)

GPS connection port

Cover

DC in (power socket)

microSD card slot

microSD lock loop: You can protect the microSD card using
a padlock (see **"Padlock (Optional)" on page 43**.)
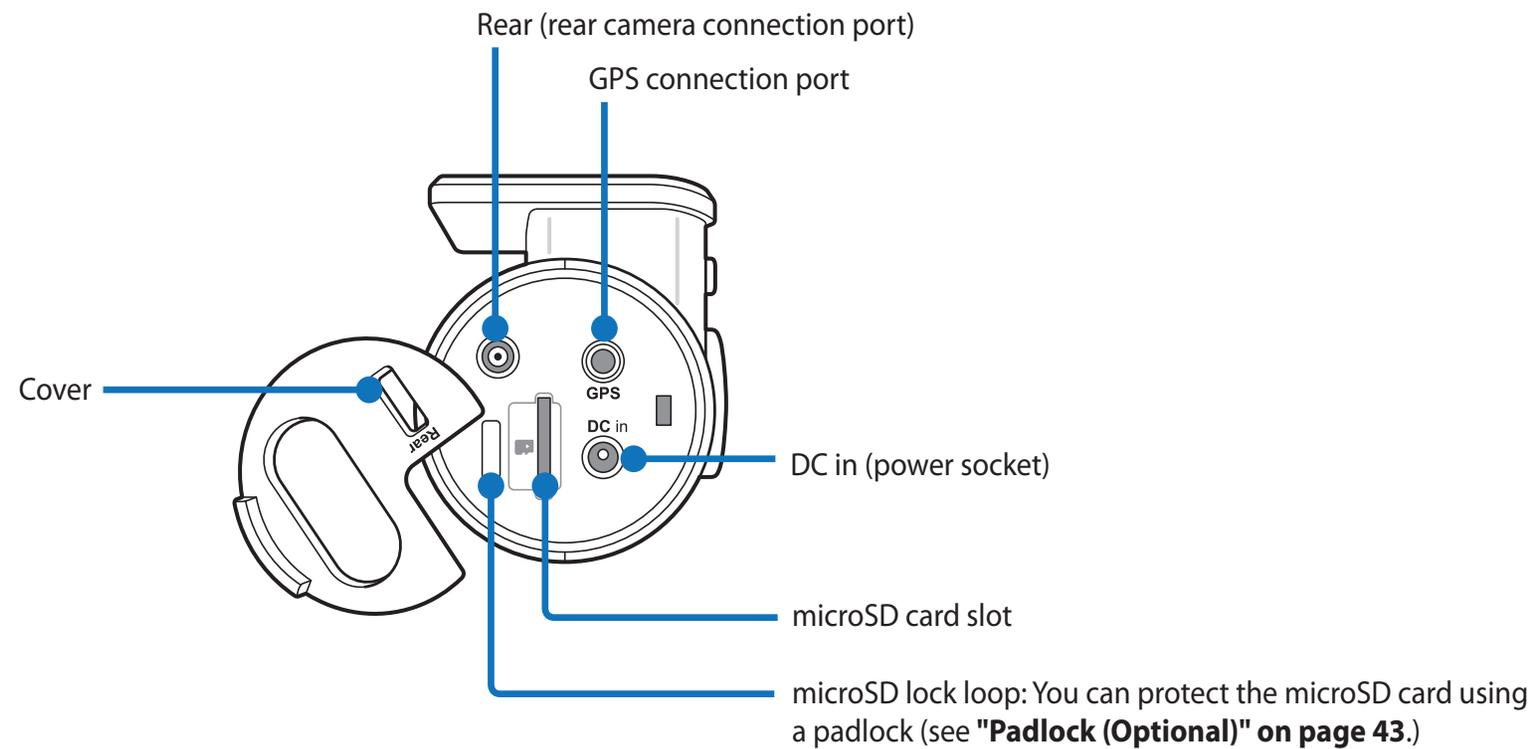
☐ Removing and inserting the front camera

LOCK

BLACKVUE
HD
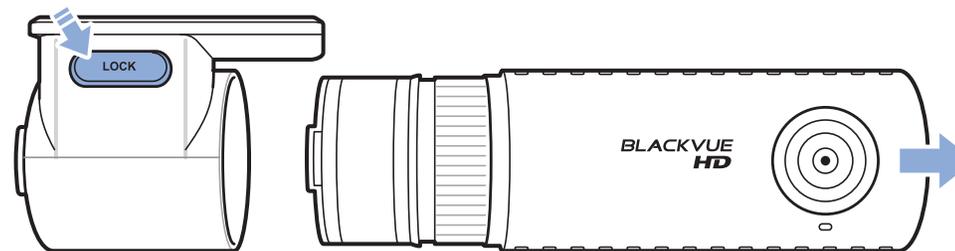
- To remove the front camera from its bracket, press the LOCK button and pull the front camera out of the mounting bracket.
- To insert the front camera into its bracket, push the front camera into the mounting bracket until it "clicks" in.

Rear camera

67.4 mm

Mounting bracket

Camera lens

30.8 mm

25 mm

V out
(Front camera
connection port)

V out

DESIGNED BY PITTASOFT
MADE IN KOREA

Rear security LED

: Rear camera is on
(on in all recording modes).
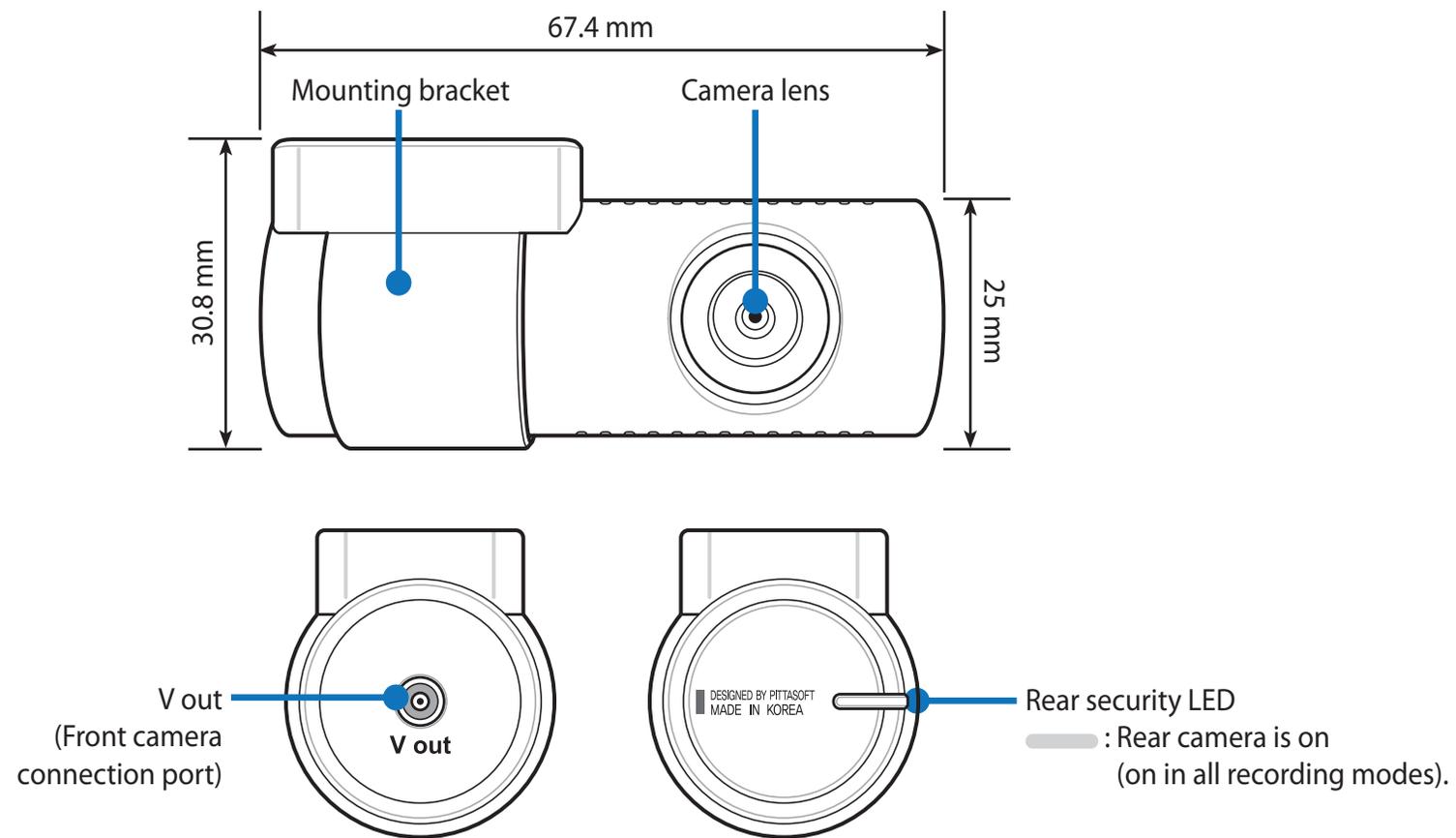
Removing and inserting the rear camera
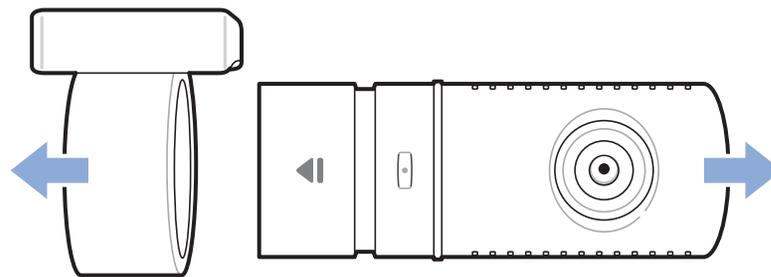
- To remove the rear camera from its bracket, hold the mounting bracket and pull the rear camera out.
- To insert the rear camera into its bracket, push the rear camera into the mounting bracket until it "clicks" in.

Installation

❯ Installing the BlackVue dashcam

Install the front camera behind the rear view mirror. Install the rear camera at the top of the back windshield. Remove any foreign matter and clean and dry the windshield before installation.
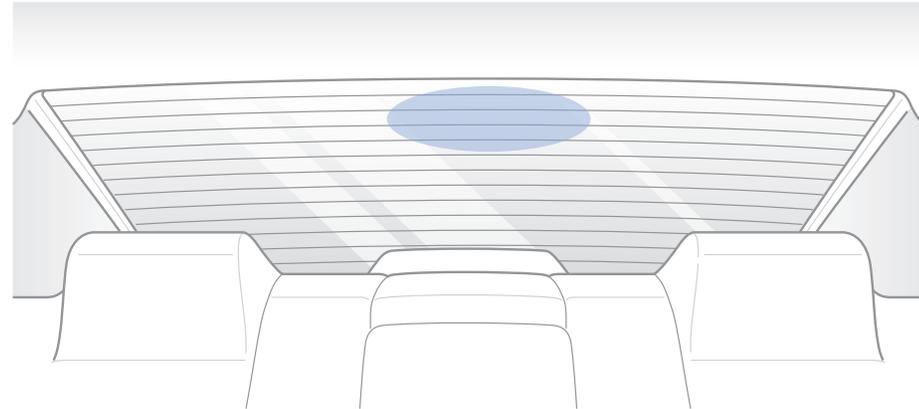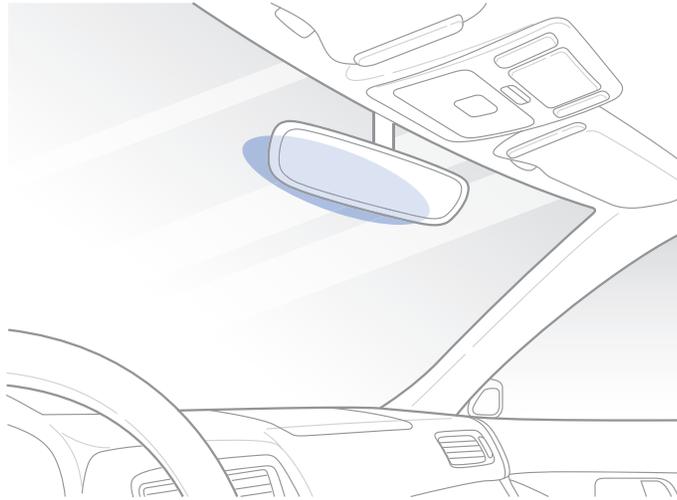

⚠ **Warning**

- Do not install the product in a location where it can obstruct the driver's field of vision.

1   Turn off the engine.

2   Peel off the protective film from the double-sided tape and attach the front camera to the windshield behind the rear-view mirror.
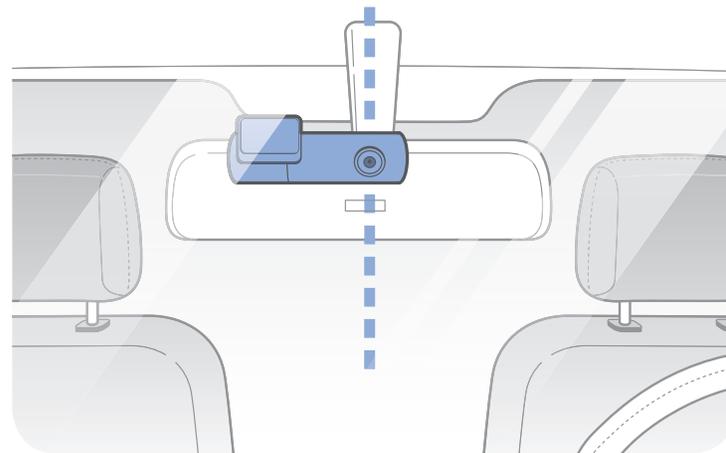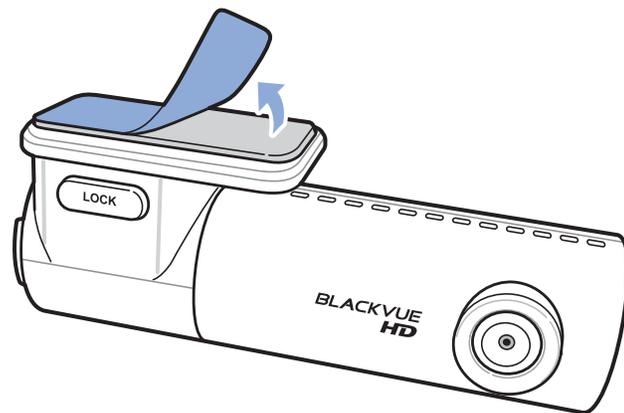
3   Peel off the protective film from the double-sided tape and attach the rear camera to the rear windshield.

4   **Optional GPS receiver**: Plug in the GPS receiver and attach it in a corner of the windshield. Tuck the cable into the windshield trim using the pry tool.
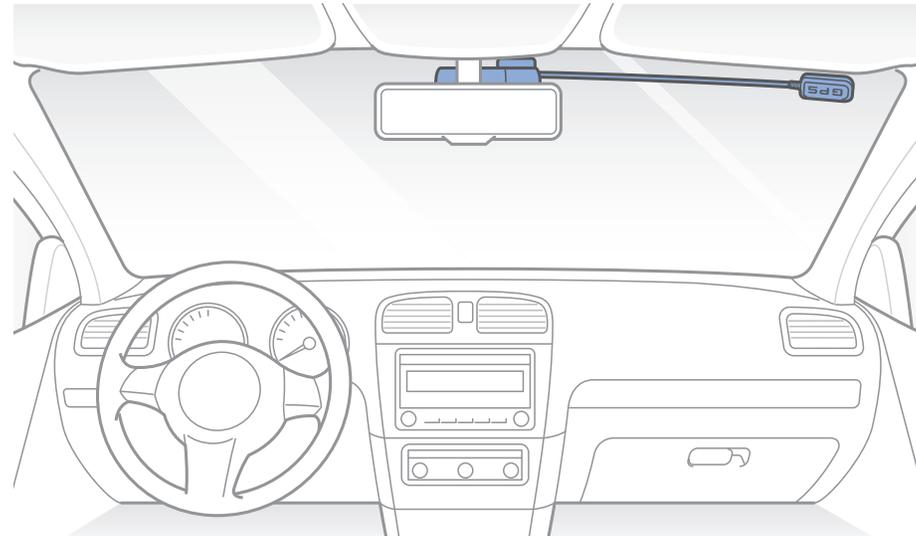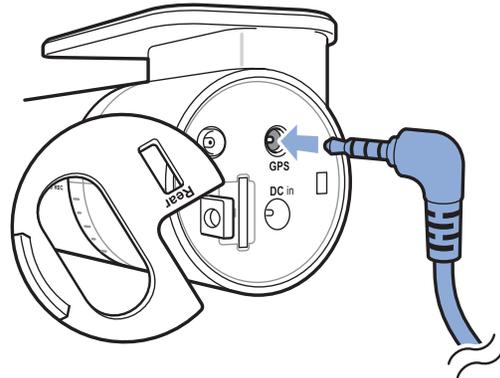

5   Adjust the angle of the lens by rotating the body of the camera. We recommend pointing the lens slightly downwards (≈10° below horizontal), so as to record video with a 6:4 road to background ratio.
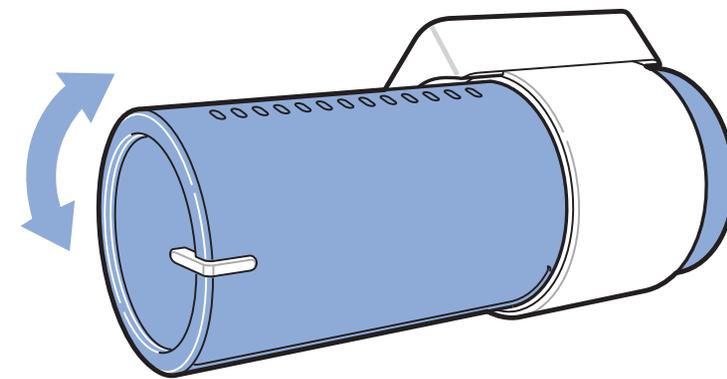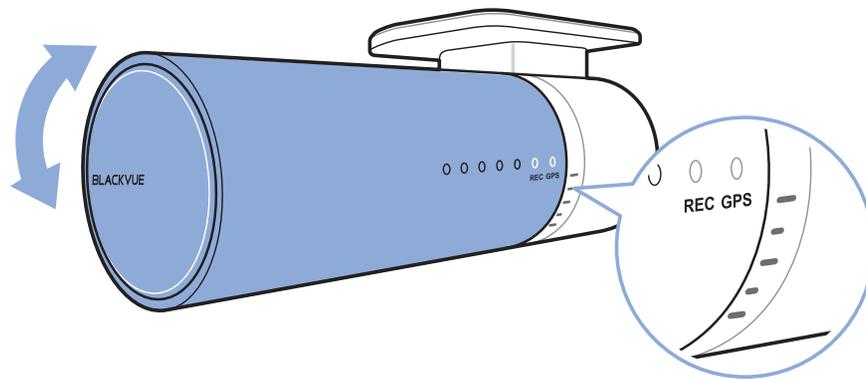

**6**   Peel off the protective lens cover.

7 Connect the front camera ('Rear' port) and the rear camera ('V out') using the rear camera connection cable.
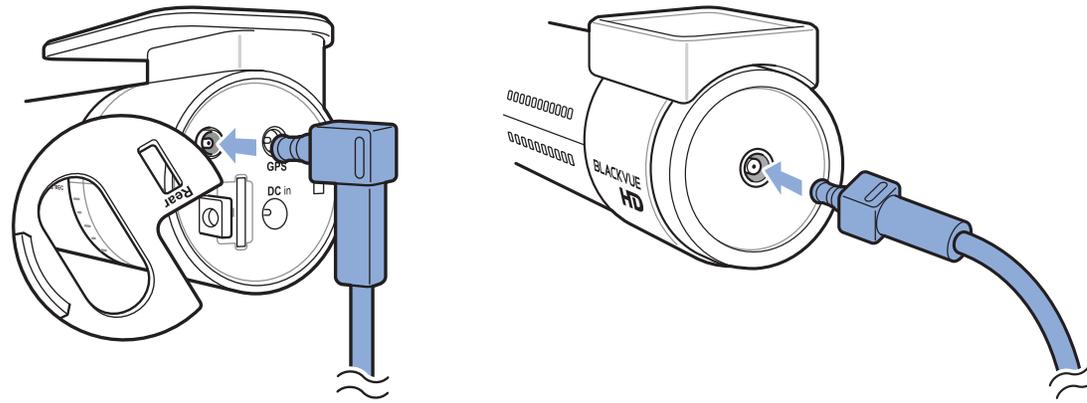
8 Use the pry tool to lift the edges of the windshield trim/molding and tuck in the power cord. You can also make use of the cable clips to neatly arrange the power cord.

Rear camera connection cable   Power cord
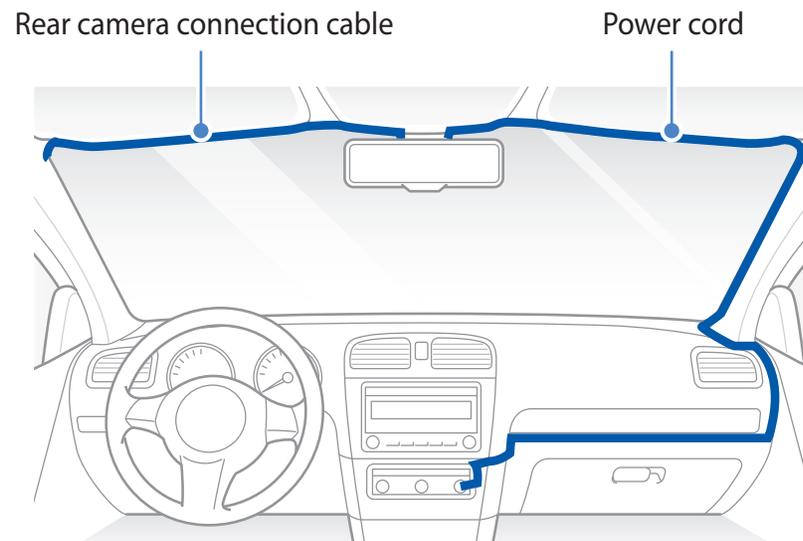
9 Use the pry tool to lift the edges of the rubber window sealing and molding and tuck in the rear camera connection cable as you work your way towards the rear. You can also make use of the cable clips to neatly arrange the cable.

Rear camera connection cable
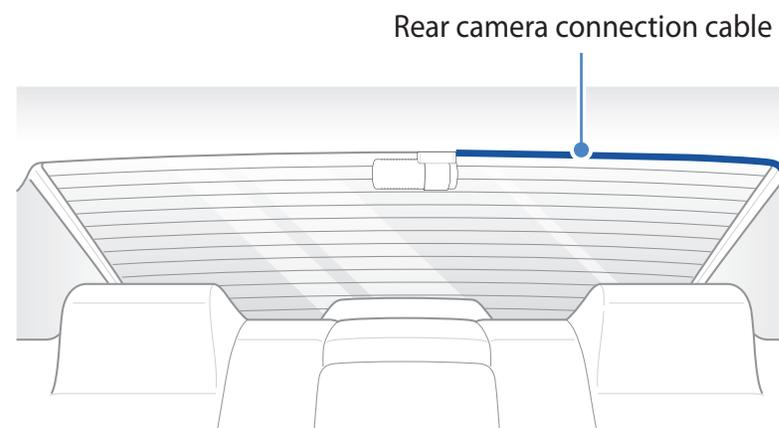
10 Plug the power cord into the cigarette lighter socket and the front camera.

11 Turn on the engine. The BlackVue dashcam will power up and start recording. Video files are stored on the microSD card. When the microSD card fills up, the newest video files will start to replace the oldest video files (called **loop recording**) - so you will always have the most recent video files.

📝 **Note**
- The recording LED blinks while recording (default setting) and the GPS LED is on when a GPS signal is received. There are 3 recording modes: Normal, Event and Parking. The dashcam starts recording in normal mode, switches to event mode when an impact is detected, and switches to parking mode if the vehicle is stationary for 5 minutes.
- When you run the dashcam for the first time the firmware is automatically loaded onto the microSD card. After the firmware has been loaded onto the microSD card you can customize settings using BlackVue Viewer on a computer.

12 Turn off the engine. The dashcam will automatically stop recording and power down. To record in parking mode while the engine is off please install a **Power Magic Pro** (sold separately). A **Power Magic Pro** powers your dashcam when the engine is off by hardwiring it to the automotive battery. A low voltage power cut-off function and a parking mode timer protect the automotive battery from discharge.

❯ Removing the microSD card

1   Unplug the power cord to turn off the dashcam.

2   Open the side cover of the front camera.

3   To remove the microSD card, gently press on the card to release the lock then carefully pull the card out.
      To insert the microSD card, gently push the card into the slot until it locks into place and close the side cover.
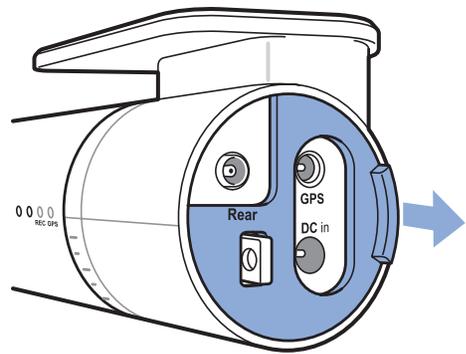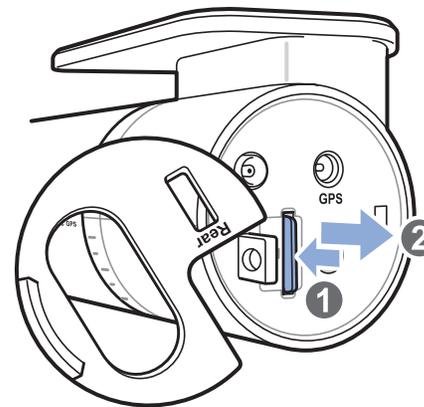

Open side cover   To remove   To insert
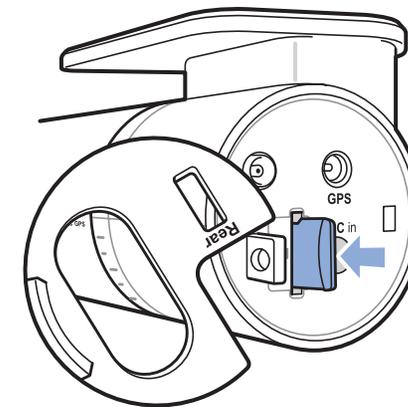
Opening video files in BlackVue Viewer

1 Remove the microSD card from the dashcam.

2 Insert the card into the microSD card reader and connect it to a computer.
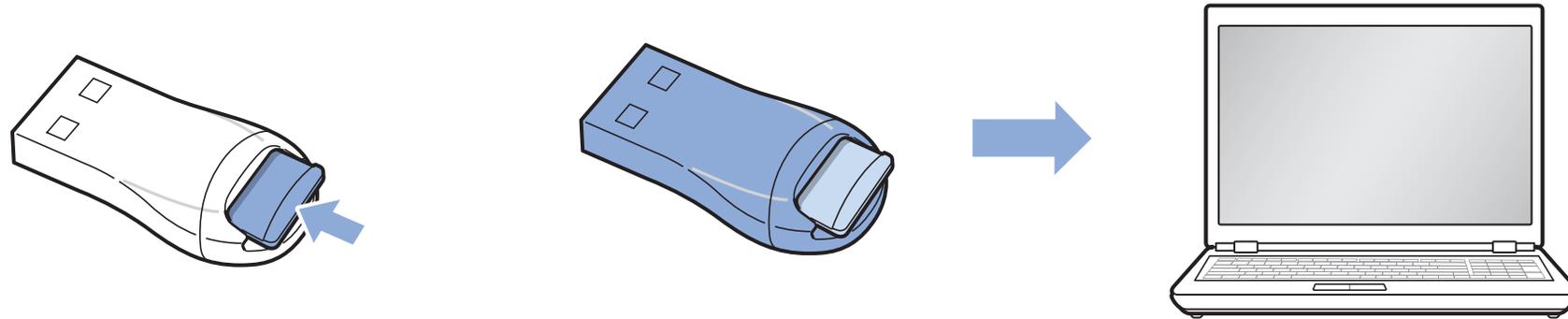
3 Find and run the BlackVue Viewer program.

For Windows users

Open Windows Explorer and click on the microSD card (Removable Disk (F:), or the name of your card location). Go to F:\BlackVue\ Application\Viewer for Windows\ and run BlackVue.exe.
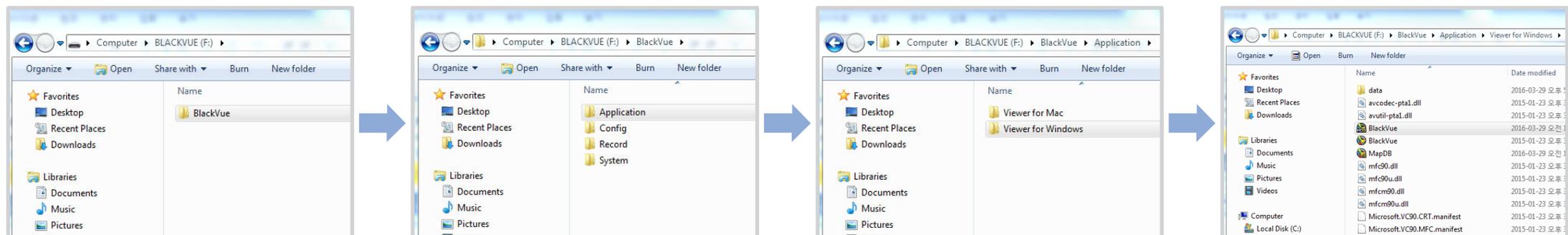
☐ For Mac users

Open Finder and select the microSD card reader from the list in the left frame. Go to \BlackVue\Application\Viewer for Mac\ and run BlackVue Viewer.
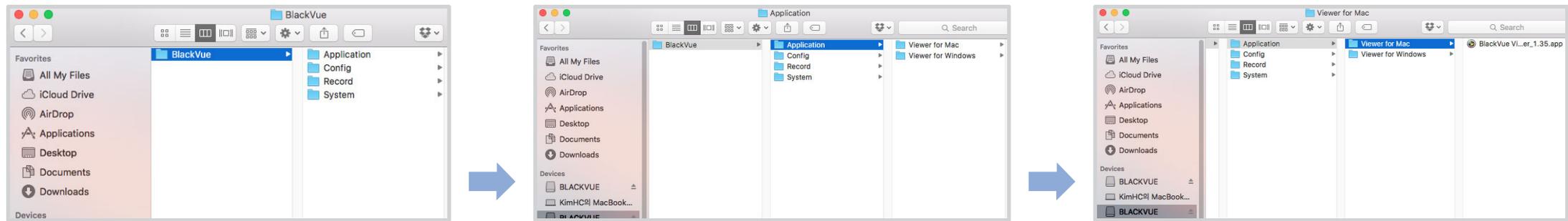
Viewer screen composition

Windows Viewer

MyWay Viewer

Program info.

Capture

Format

Print

Settings

Playback Screen
(front camera)

Playback Screen
(rear camera)

G-Sensor Information

GPS Data

Previous frame

Play previous file

Front/Rear reverse view

Front/Rear screen mode

Flip horizontally

View upside-down

Full Screen view

Recorded File list

Timeline for sec selection

Playback/Pause

Stop

Next frame

Play next file

Playback speed control

Volume control

Timeline for min selection

Mac Viewer

MyWay Viewer

Settings

Format

Capture

Playback Screen (front camera)

Print

Playback Screen (rear camera)

G-Sensor Information

Play previous file

GPS Data

Normal screen size

Front/Rear reverse view

Front/Rear screen mode

Flip horizontally

View upside-down

Recorded File List

Full Screen view

Previous frame

Timeline for sec selection

Timeline for min selection

Playback/Pause

Playback time

Next frame

Volume control

Playback speed control

Play next file

❯ Playing video

☐ Playing back videos

In BlackVue Viewer select a video and click ▶ or double click the selected video to play.
BlackVue Viewer shows by default the files in the microSD card. To see files in another folder click 🔍 (Windows) or 🖼 (Mac) and set the folder path.

☐ Identify video files by recording type
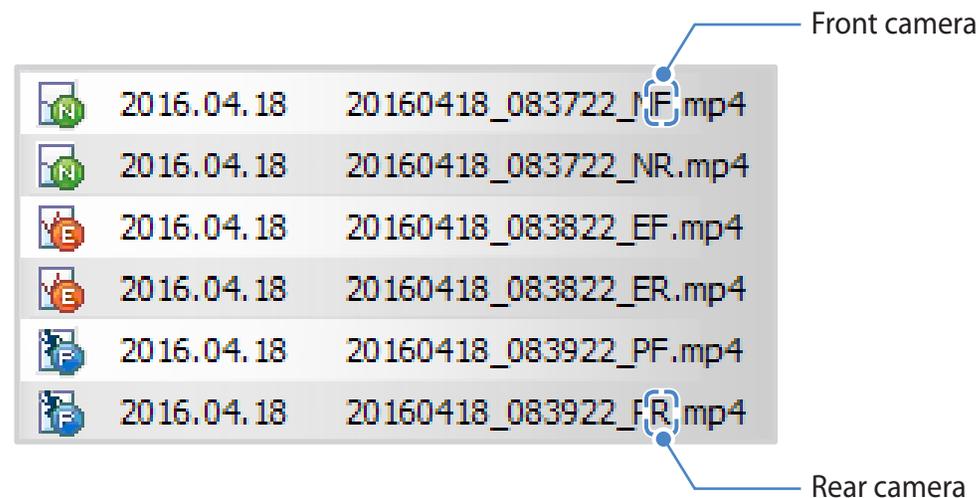
Front camera

🟢N	2016.04.18	20160418_083722_NF.mp4
🟢N	2016.04.18	20160418_083722_NR.mp4
🟠E	2016.04.18	20160418_083822_EF.mp4
🟠E	2016.04.18	20160418_083822_ER.mp4
🔵P	2016.04.18	20160418_083922_PF.mp4
🔵P	2016.04.18	20160418_083922_PR.mp4

Rear camera

🟢N : The dashcam starts normal recording by default.

🟠E : The dashcam starts event recording with a 5-second prerecording when it detects an impact during normal mode or parking mode.

🔵P : The dashcam starts parking recording with a 5-second prerecording when it detects motion in the camera during parking mode. Parking mode recording starts when the vehicle does not move for 5 minutes or longer.

📝 Note

- The dashcam requires a constant power source to record in parking mode. See **"Parking mode hardwiring kit (Optional)" on page 45** for more information.
- To install the BlackVue Viewer program on your computer, go to the BlackVue website (www.blackvue.com) and download the installable version of the BlackVue Viewer.
- Using the File type buttons (Front , Rear , N , E , P) you can filter the file list by Front camera, Rear camera (only in the 2CH model), Normal recording, Event recording, and Parking mode recording.

Checking the displayed time

The time the video was recorded is displayed in the lower left corner of the video in the playback screen. If the displayed time in the recorded videos is incorrect please see **"Setting your time zone" on page 38**.

Using BlackVue Viewer

You can customize the playback options of the recorded videos, such as the screen size, playback speed, and volume using the playback option buttons.

Play previous file   Previous frame

View upside-down   Next frame   Playback speed control

Full screen view

Flip horizontally

Front/Rear screen mode   Playback/Pause   Stop   Play next file   Volume control

Front/Rear reverse view
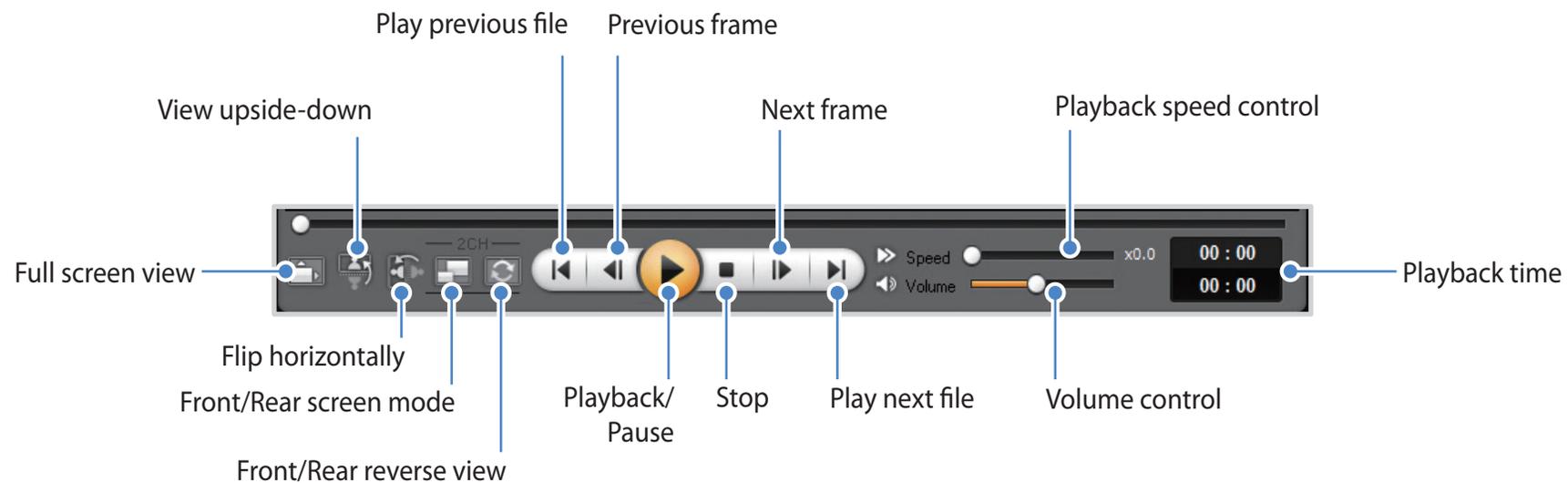
Playback time

Exploring the timeline

You can explore the timeline for the playback of the recorded videos by date, hour, minute, and second using the timeline option buttons.

Year selection

Month selection   Timeline for min selection   Timeline for sec selection
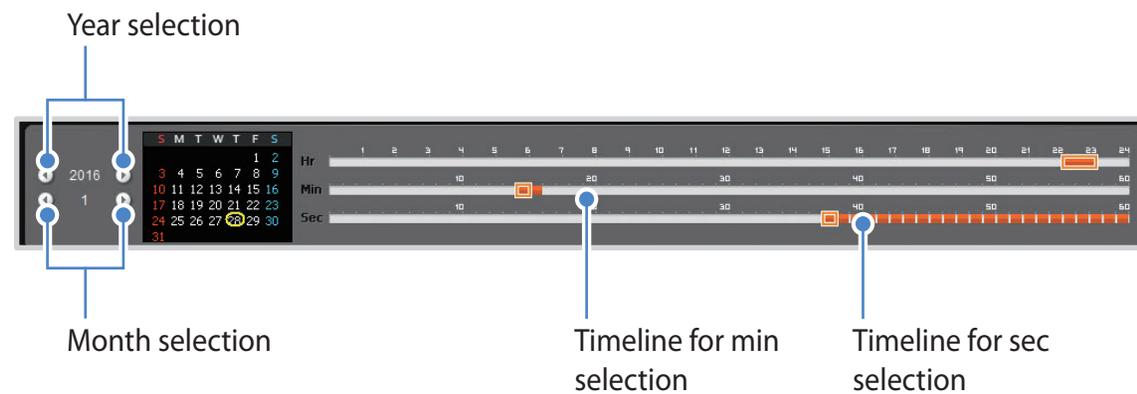
Zoom options

- **Full-screen view:** Double click on the video image to enter full-screen view. Double click again or tap ESC to return to the default view.
- **Zoom to 100%:** Right-click on the video image to view at 100% zoom. Click and drag to move the video image around.
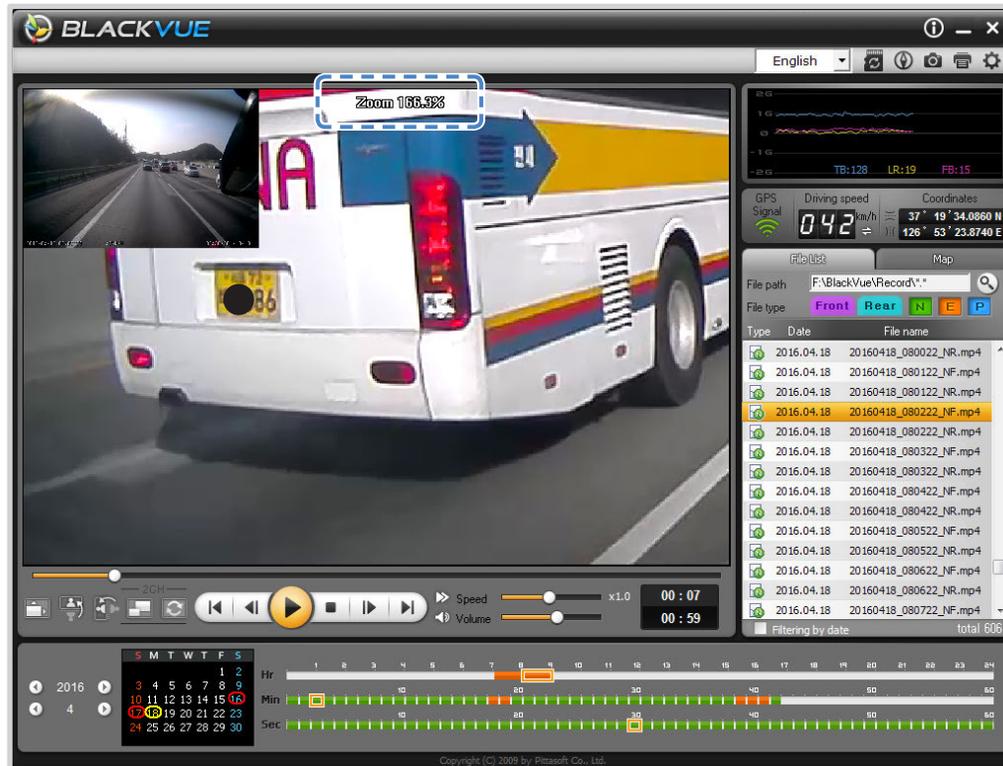

Windows
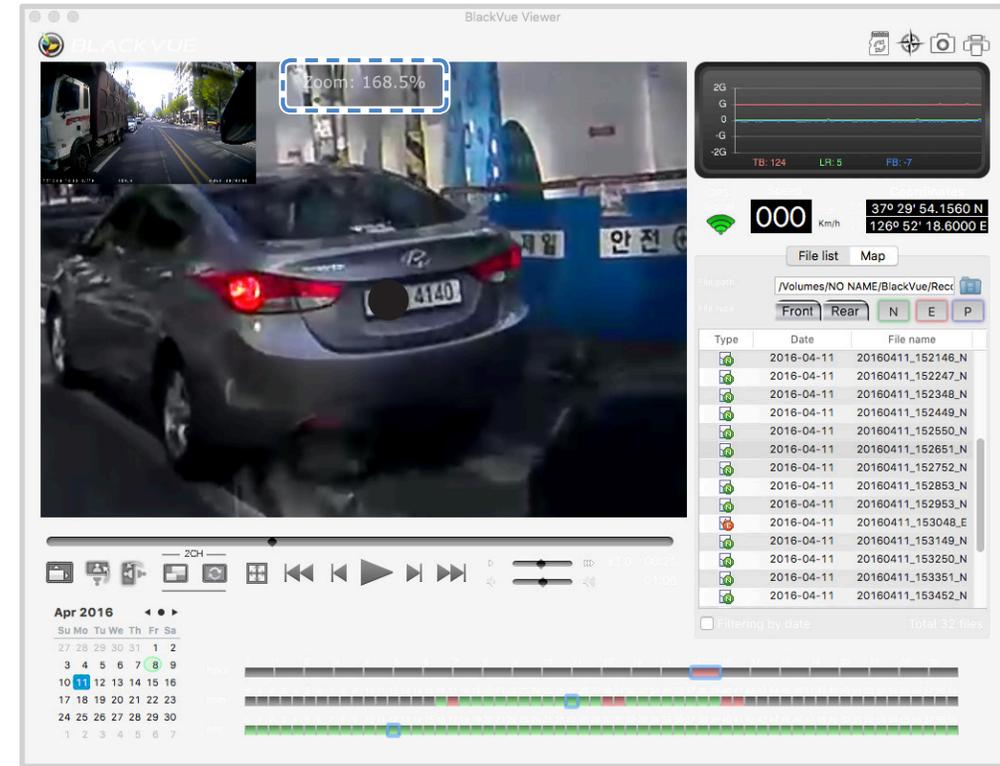
Mac

Viewing the G-Sensor graph
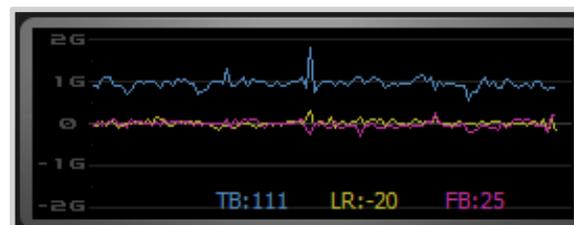
You can check the impact sensitivity (G-Sensor) information in the main window.

Checking the GPS data

You can check the GPS data of the recorded video in the BlackVue Viewer while video is playing back.

MyWay Viewer

Switch Speed Unit

Map Type Selection

Car Location

Map Zoom-in/out

GPS tracking

You can check the vehicle's speed and the location of the recorded video in BlackVue Viewer while a video is playing back (GPS tracking).

1   Double click a file in the file list to play.

2   Click the **Map** tab.

📝 **Note**

- An external GPS receiver is required to obtain GPS data. See **"GPS receiver (Optional)" on page 44**.

GPS tracking – Advanced mode

Combine 4 consecutive videos and GPS data to build a driving route and see your car's speed and location as well as any event recorded, while watching the video footage at any point of the route.

1   Double click a file in the file list to play.

2   Click the ⊙ button.

Switch Speed Unit   Latitude & Longitude   Car Location

Map Type Selection

Red icon indicates the starting point of the playing back file

Car Location

Driving Route

Red line indicates event recording
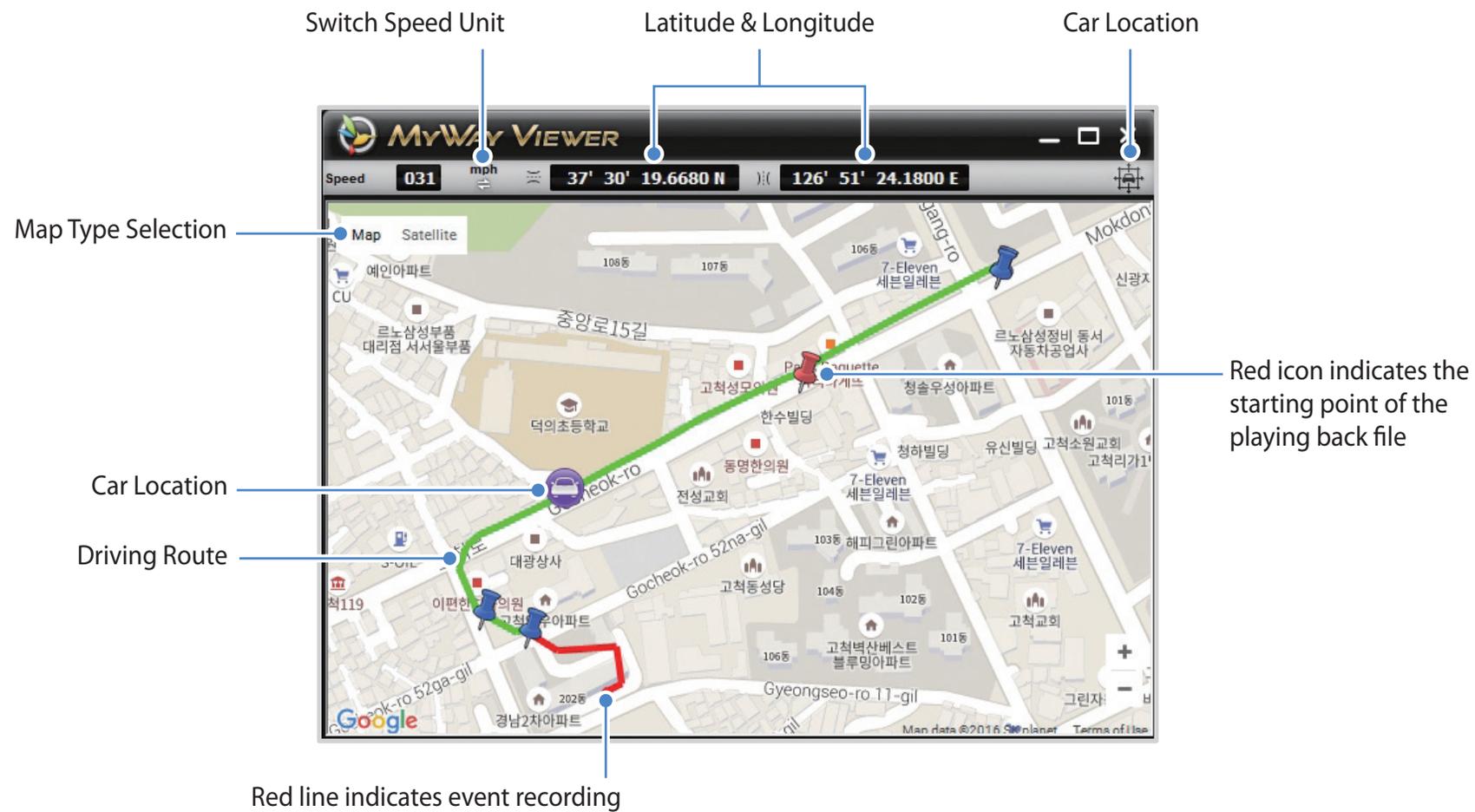
❯ Managing videos

You can manage the recorded videos through the BlackVue Viewer program. You can also format the microSD card and upgrade the firmware.

📝 **Note**

- If the microSD card is full, by default the dashcam will record over the oldest videos first.

☐ **Capturing or printing a still image from video**

1 Double click a file in the file list to play.

2 Click the ⏸ button to pause the video.

3 Select the 📷 button to capture the image or the 🖨 button to print directly.

☐ Deleting videos

■ For Windows users

1 Select the video from the recorded video list.

2 Right-click the video.
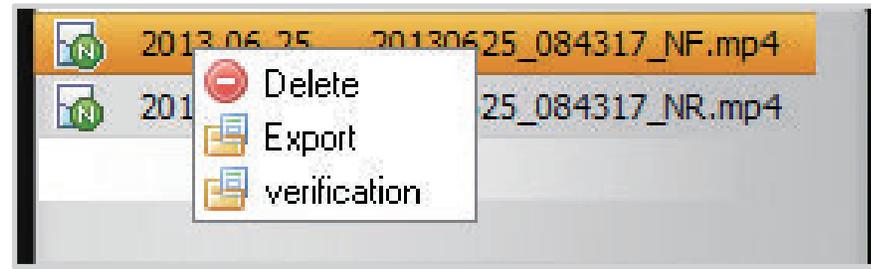
3 Click Delete.

■ For Mac users

1 Go to \BlackVue\Record\.

2 Select the video from the recorded video list.

3 Click Move to Trash.
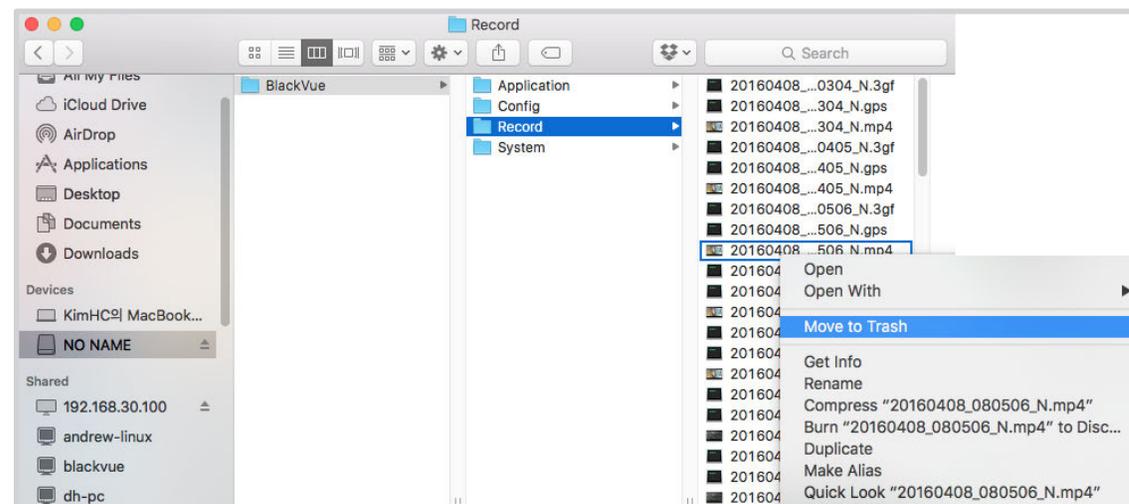
☐ Exporting videos

◼ For Windows users

1 Select the video from the recorded video list.

2 Right-click the video.
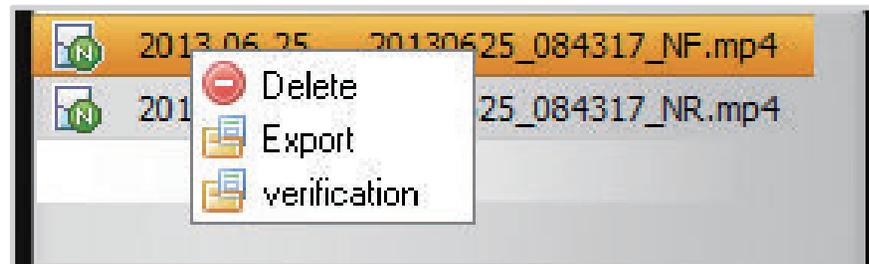
3 Click Export.

4 Enter a file name and the start and end points (min:sec) of the segment you want to export. To export without audio select "Sound Off".
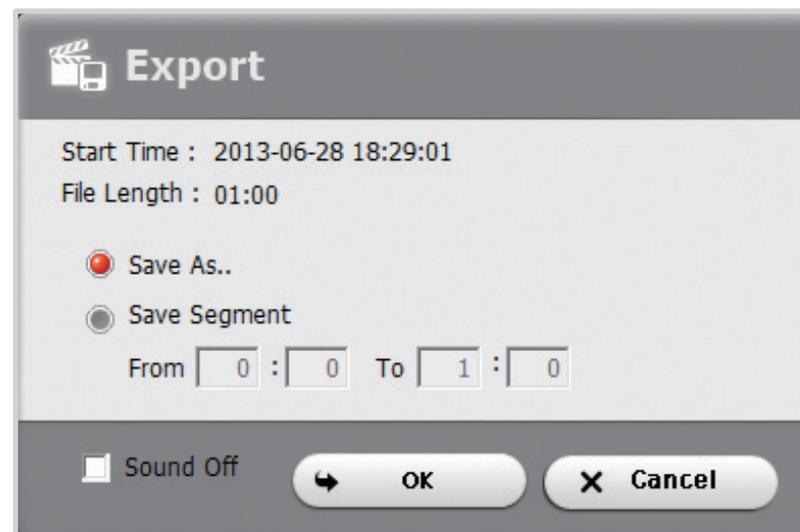
5 Click the **OK** button.

6 Select the folder in which to save the file and enter the file name.

7 Click the **Save** button.

For Mac users

1 Go to \BlackVue\Record\.

2 Select the video from the recorded video list.

3 Click Copy "*file name*".
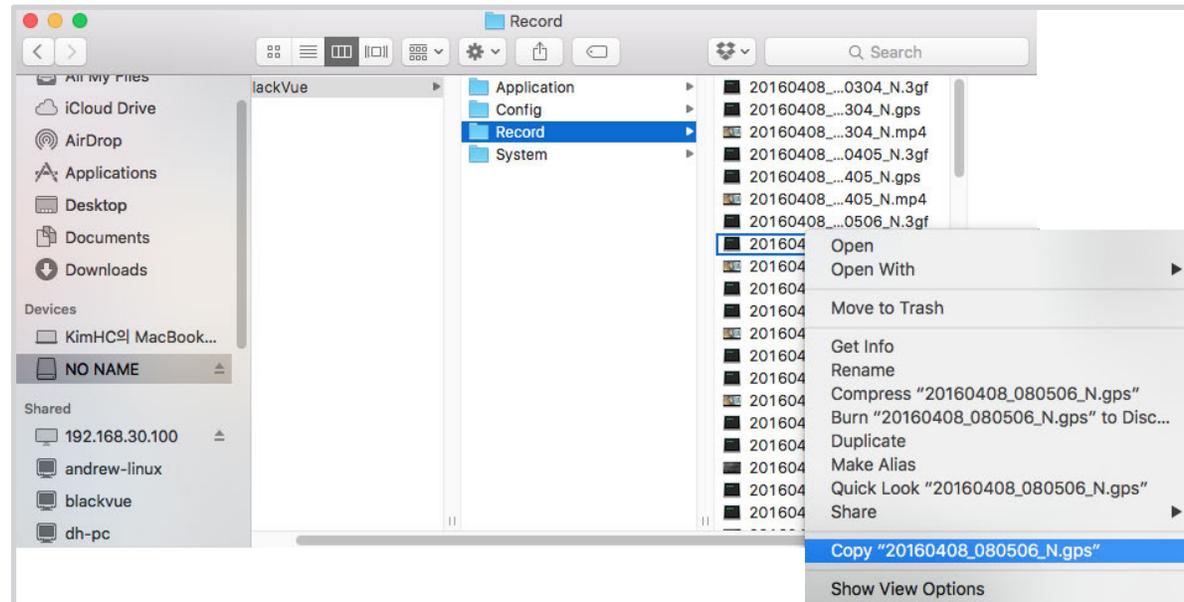
☐ Verifying videos

The following function is only available in BlackVue Viewer for Windows.

1   Select the video from the recorded video list.

2   Right-click the video.
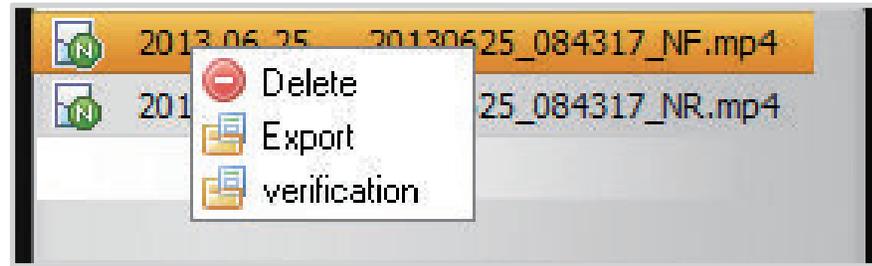
3   Click Verification.

4   Click the **OK** button.

Keeping the BlackVue dashcam updated

❯ Formatting the microSD card

Format the microSD card once a month, or when the BlackVue dashcam tells you the card needs maintenance.

Please format the microSD card using BlackVue Windows or Mac Viewer.

☐ Format using Windows Viewer

1   Download BlackVue Viewer from <u>www.blackvue.com</u> > Support > Downloads and install the program on your computer.

2   Insert the microSD card into the microSD card reader.

3   Connect the microSD card reader to your computer.

4   Launch the copy of BlackVue Viewer that is installed on your computer.

5   Click the Format 🔄 button.

6 Select the microSD card drive and click **OK**.
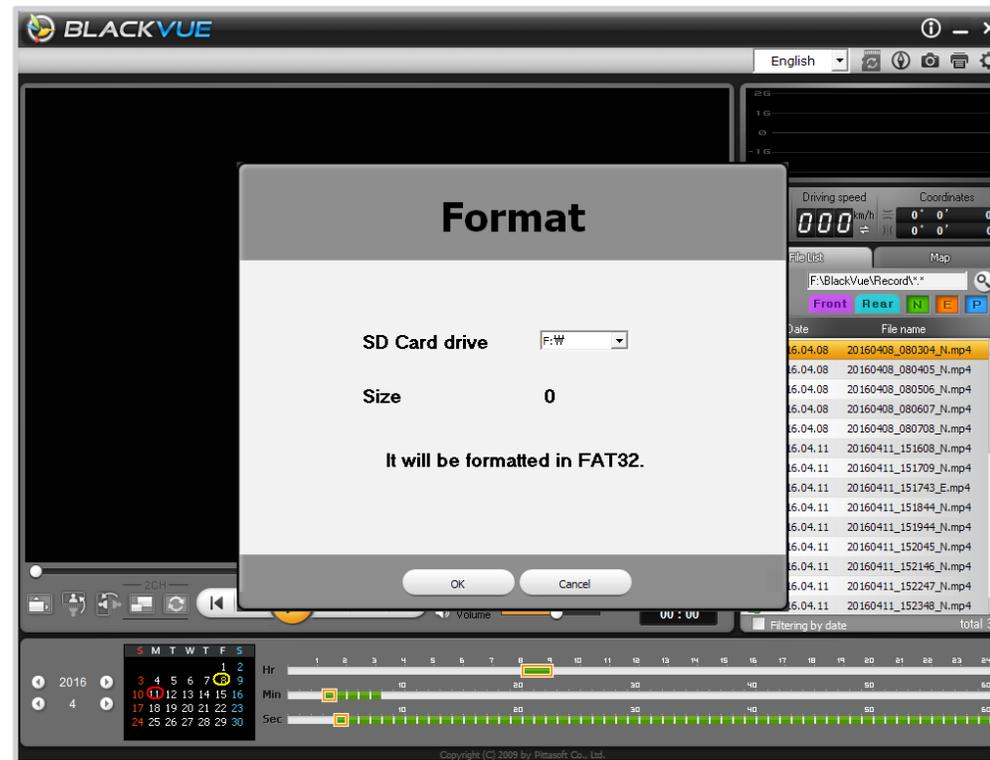
☐ Format using Mac Viewer

1 Download BlackVue Viewer from www.blackvue.com > Support > Downloads and install the program on your computer.

2 Insert the microSD card into the microSD card reader.

3 Connect the microSD card reader to a Mac.

4 Launch the copy of BlackVue Viewer that is installed on your computer.

5 Click the Format 🗘 button.

6 Select the microSD card from the list of drives in the left frame.
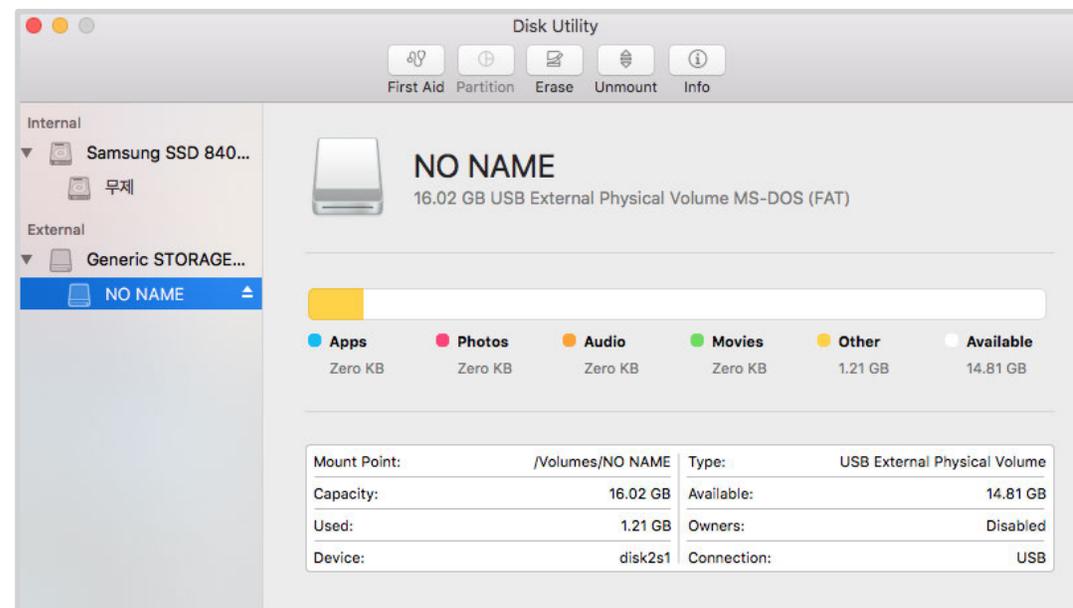
7   After selecting your microSD card select the Erase tab in the main window.
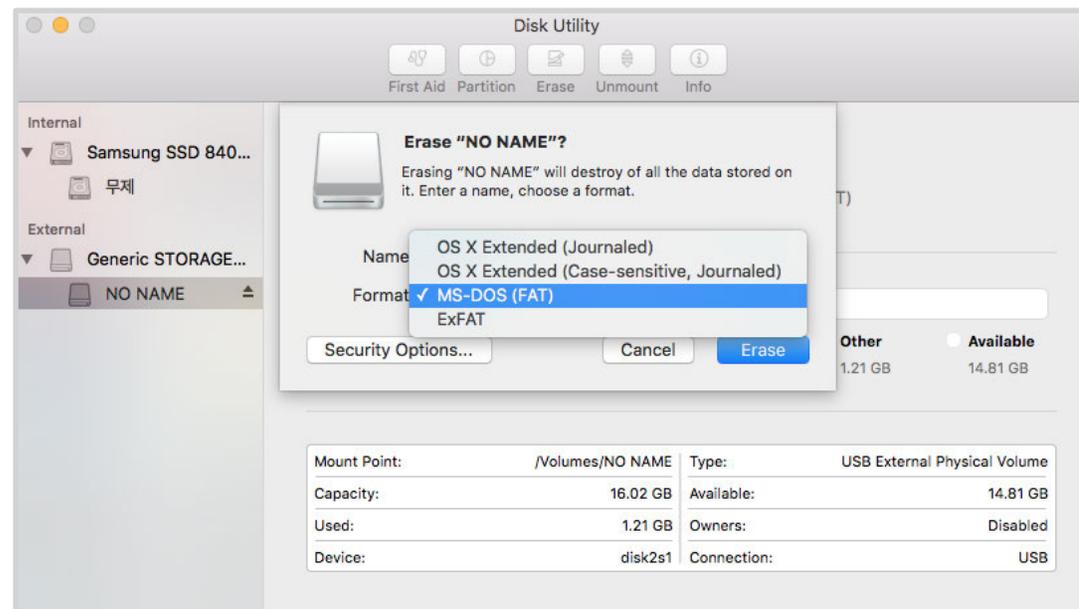
8   Select "MS-DOS (FAT)" from the Volume Format dropdown menu and click Erase.

⚠ **Caution**

- If you format the microSD card, all the video files stored in the microSD card will be deleted.
- Back up important video files such as event recording files before formatting the microSD card. PittaSoft Co., Ltd. will not be responsible for the loss of video files that were not backed up.
- Formatting the microSD card once a month is recommended.
- Format the microSD card if the recorded video quality appears to be poor.
- Only use official BlackVue microSD cards. Other cards may have compatibility issues.
- PittaSoft Co., Ltd. will not be held responsible for any problems caused by using another manufacturer's microSD card.

❯ Upgrading the firmware

Keep your BlackVue dashcam updated by upgrading the firmware to the latest version. Visit the BlackVue website (www.blackvue.com) to check for any new firmware releases for your BlackVue dashcam model.

1   Insert the microSD card into the microSD card reader.

2   Connect the microSD card reader to a PC.

3   Launch BlackVue Viewer and click on the About ⓘ button.

- For Mac users, click 🍎 **BlackVue Viewer** and select About BlackVue from the menu.

4   Check the current firmware version of your BlackVue dashcam and proceed only if your version is not the latest one.
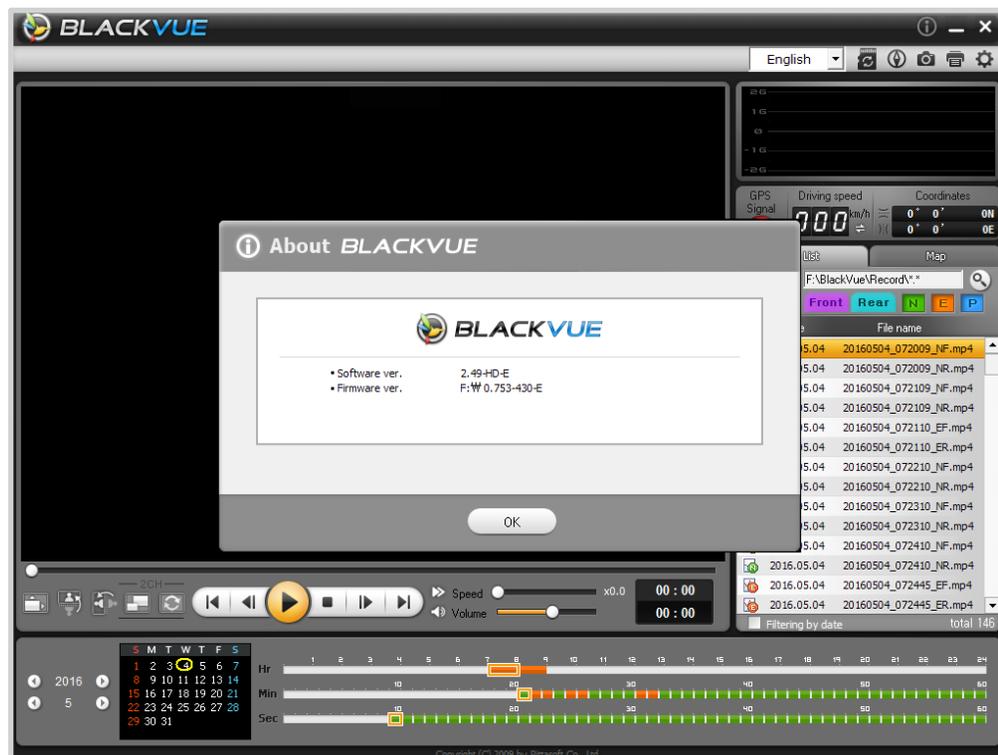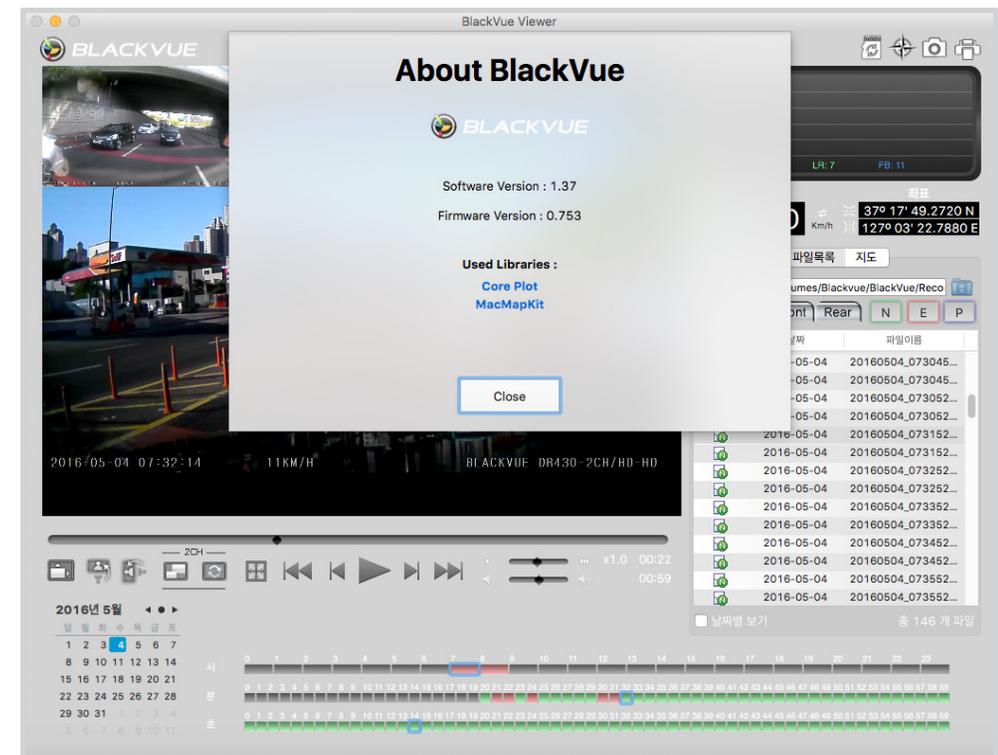
| Windows | Mac |

5   Format the microSD card. See **"Formatting the microSD card" on page 30**.

6 Go to the BlackVue website (www.blackvue.com > Support > Download) and download the latest firmware for your BlackVue dashcam model in zip format.

7 Unzip the downloaded file and copy the BlackVue folder to the microSD card.
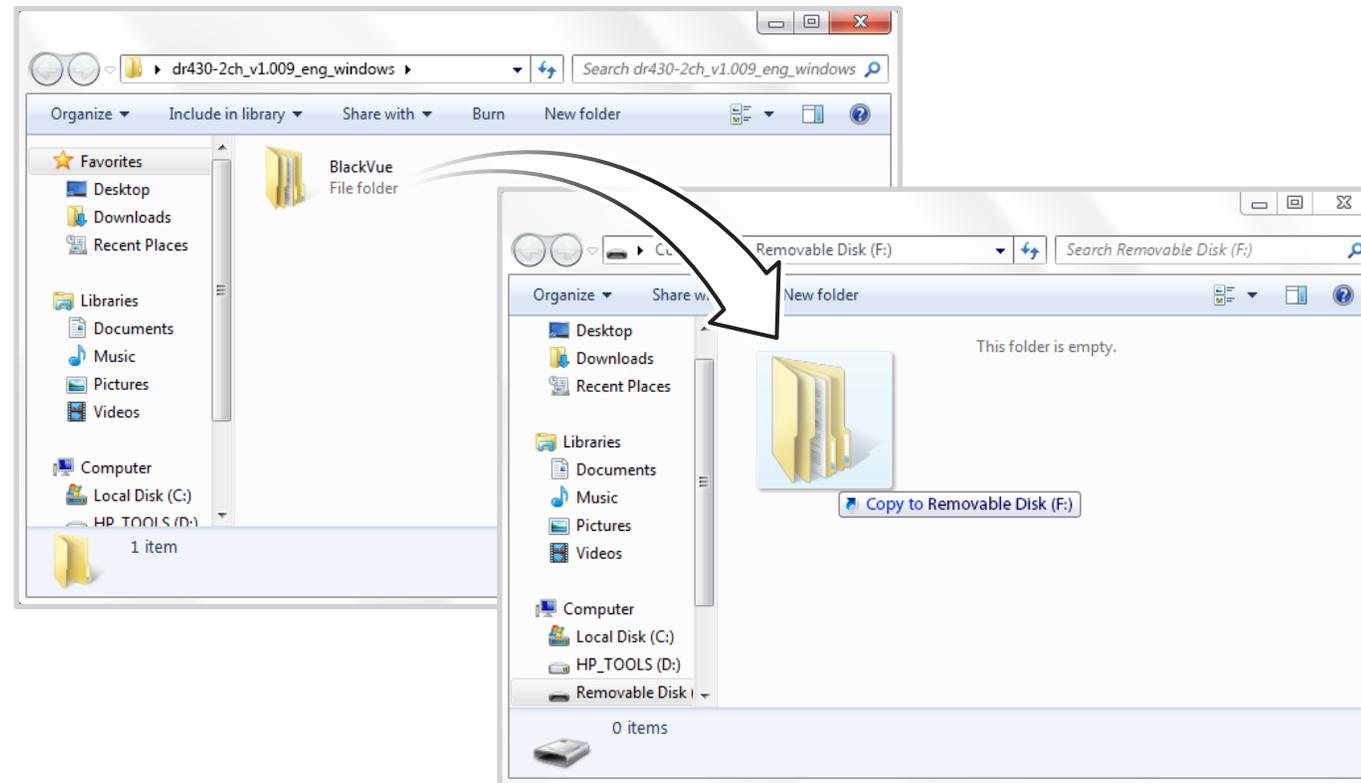
8 Insert the microSD card into the dashcam and connect the power to initiate the firmware upgrade. Make sure the power remains on until the upgrade is completed. Any power interruption may prevent the firmware upgrade from completing, resulting in malfunction.

📝 **Note**

- Do not insert or remove the microSD card when the dashcam is turned on. Doing so may damage the data and cause a malfunction of the microSD card.
- After a firmware upgrade all settings are reset to the defaults to ensure stable operation. Please reconfigure your personal settings (such as time zone, etc.).

Changing settings

❯ BlackVue Viewer language setting

Select your preferred language for the BlackVue Viewer interface from the dropdown list.

❯ BlackVue settings

Click on the ⚙ button or the BlackVue Viewer menu to open the BlackVue settings panel. You will be able to change most of the BlackVue settings to customize its operation.

Select a Language

Settings

⬜ Basic settings

You can set the basic configuration in the **Basic** tab of the **Settings**.

1   Click the ⚙ button or the 🍎 **BlackVue Viewer** menu.

2   Click the **Basic** tab.

3   Change the settings.

4   Click **Save & Close**.
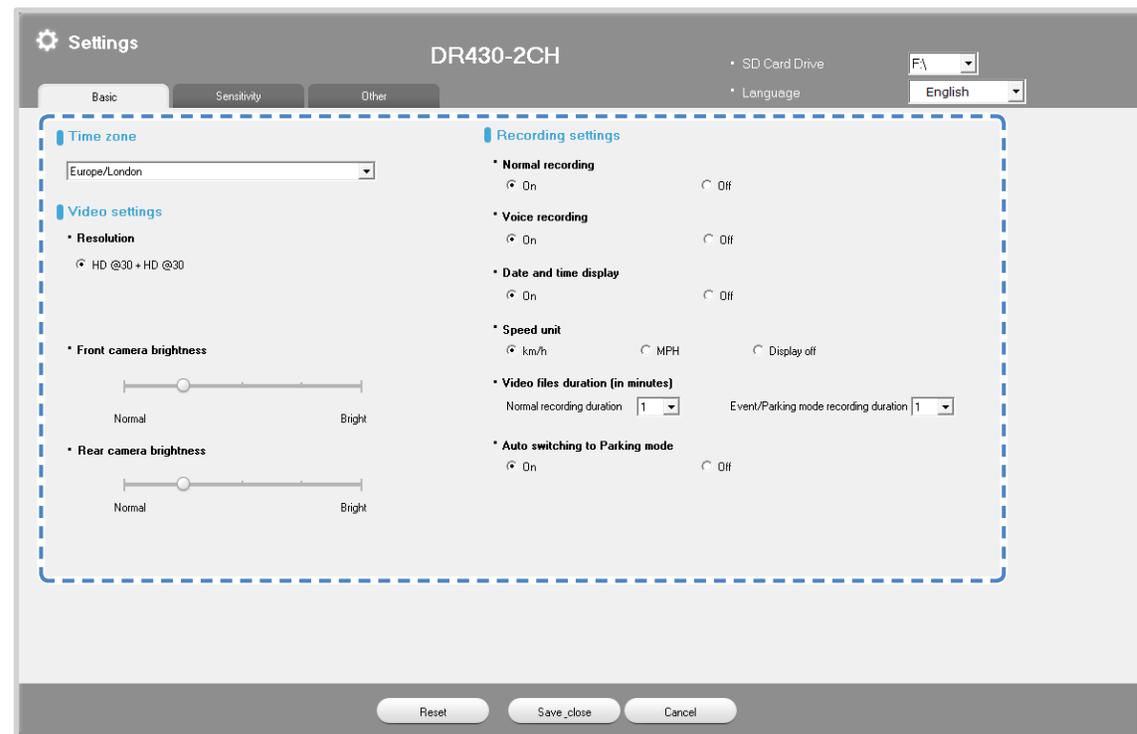
⬛ Firmware
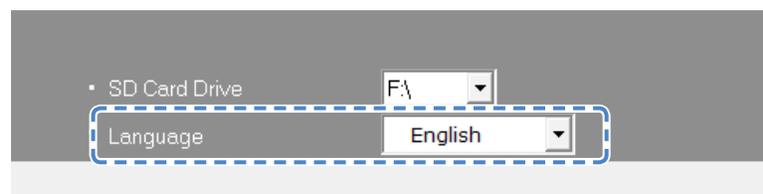
Select your preferred language for the firmware from the language dropdown list. The audio announcements by the dashcam will be in the selected language.

Setting your time zone

The initial time zone is set to Pacific/Midway_Midway Islands(GMT-11). Select your time zone in the dropdown list. If your city is not in the list, select any other city within the same time zone.

When you change the time zone and save the setting, the next time you insert the microSD card into the dashcam it will format the microSD card and restart automatically. Please backup any important videos that are in the microSD card before changing the time zone.

If the displayed time in the recorded videos has repeated issues with accuracy please see **"Running the time setting program" on page 46**.

Image brightness setting

Adjust the brightness of the video image by selecting one of 5 brightness levels.

Recording settings

Video recording options	Description
Normal recording on/off	When turned off the dashcam does not record in normal mode.
Voice recording on/off	When turned off the dashcam does not record audio.
Date and time display on/off	Turn on/off the date and time display on videos.
Speed unit	Select km/h, MPH, or turn off.
Video files duration (in minutes)	Select video clip duration in minutes
Auto switching to parking mode on/off	If enabled, the dashcam switches from normal mode to parking mode when the vehicle is stationary for 5 minutes.

☐ Sensitivity settings

You can set impact sensitivity (G-Sensor), motion detection, and the speed alert in the **Sensitivity** tab of the **Settings**.

1 Click the ⚙ button or the   🍎 **BlackVue Viewer**   menu.

2 Click the **Sensitivity** tab.

3 Change the settings.

4 Click **Save & Close**.
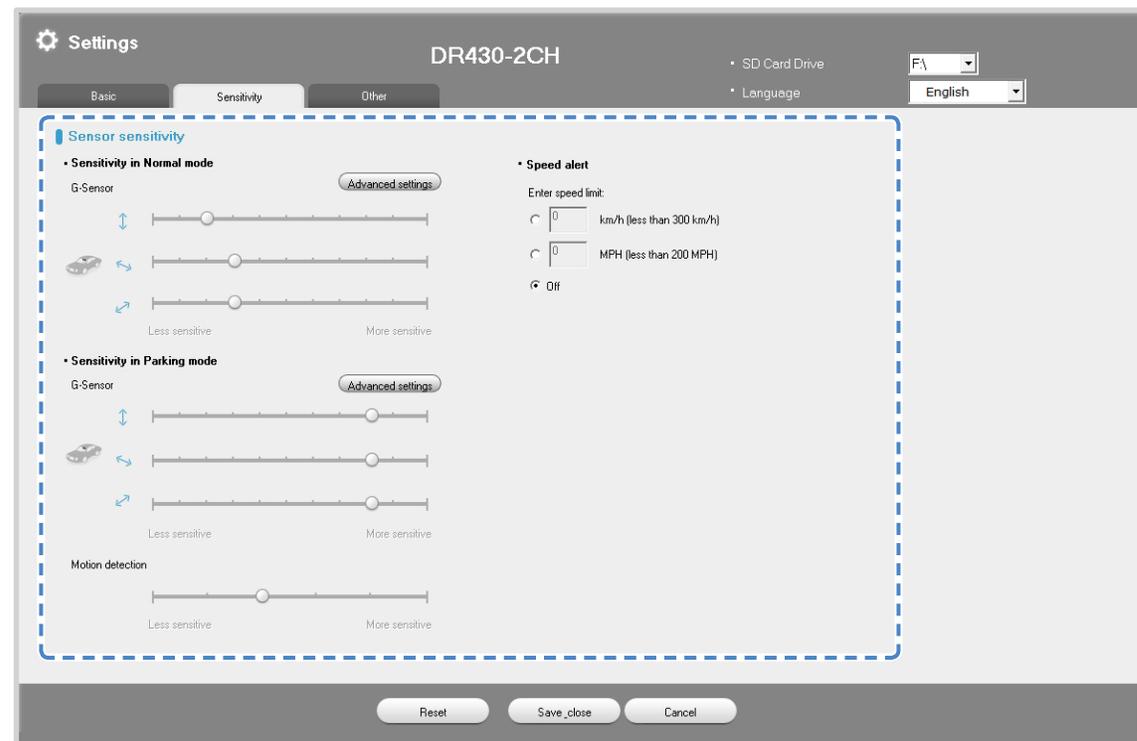
☐ Sensitivity in normal and parking mode

Adjust the sensitivity of the G-Sensor while driving (normal mode) or parked (parking mode). Set the sensitivity to zero to turn off Event recordings by impact detection.

Sensitivity of the motion detection (parking mode)

Adjust the sensitivity of the camera's motion detection while parked. Take into account your car's parking location when setting the sensitivity of motion detection.

Advanced sensitivity settings for normal and parking mode

Advanced sensitivity settings allows you to fine-tune the event recording G-Sensor threshold, while watching pre-recorded G-Sensor data and video as a reference.

1 Click the Advanced Settings button of the recording mode.

2 Select the reference video from the list that you want to use to set the threshold of event recording.

3 Click the ▶ button or double click the selected video.

4 Set the thresholds by adjusting the control bars next to each G-Sensor axis. Any G-Sensor data that crosses over the threshold on any of the 3 axes will trigger an Event recording.

Event recording will occur	No event recording will occur
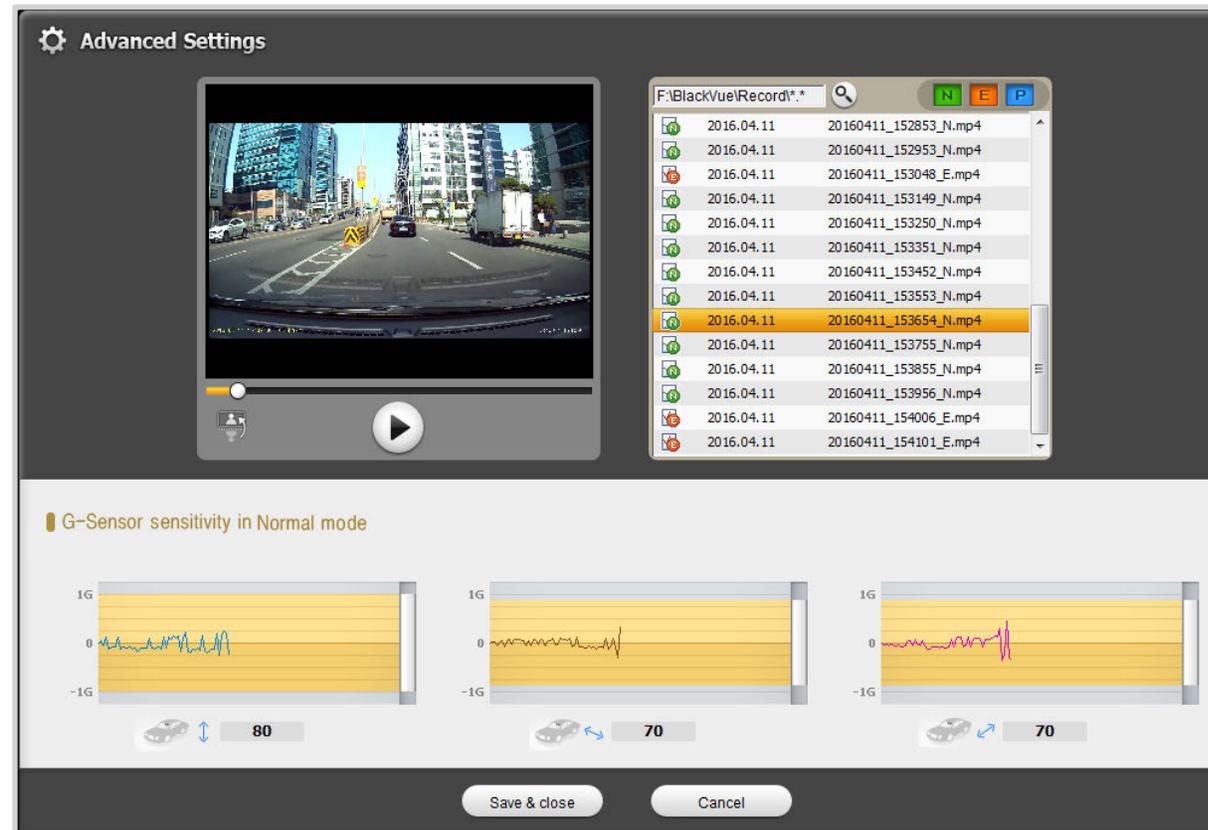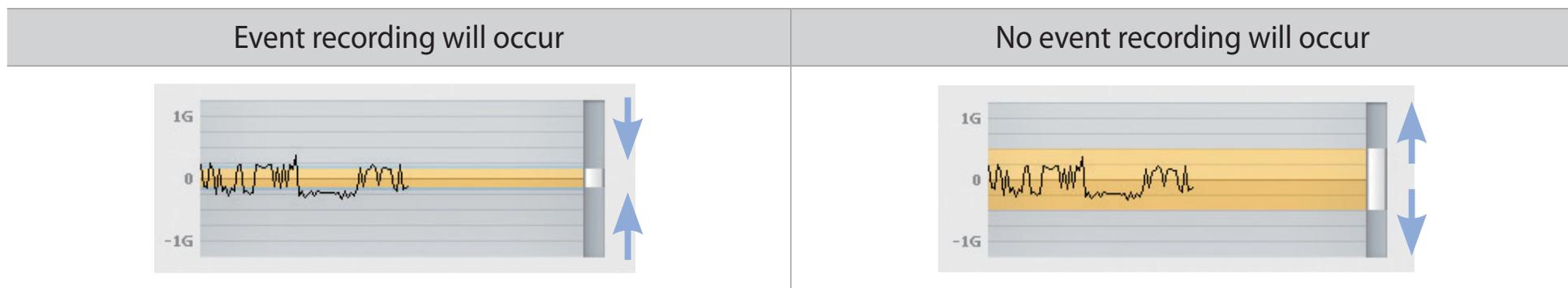
5 Click **Save & Close**.

Speed alert

Set a speed limit (up to 300 km/h or 200 MPH) for the speed alert.

When the vehicle exceeds the speed limit, normal mode recording switches to an event recording (with a beep sound) and after a preset duration switches back to normal mode recording.

☐ Other settings

You can adjust other settings such as the LED indicators, voice guidance, volume, and user text overlay in the **Other** tab of the **Settings** window.

1 Click the ⚙ button or the 🍎 **BlackVue Viewer** menu.

2 Click the **Other** tab.

3 Change the settings.

4 Click **Save & Close**.
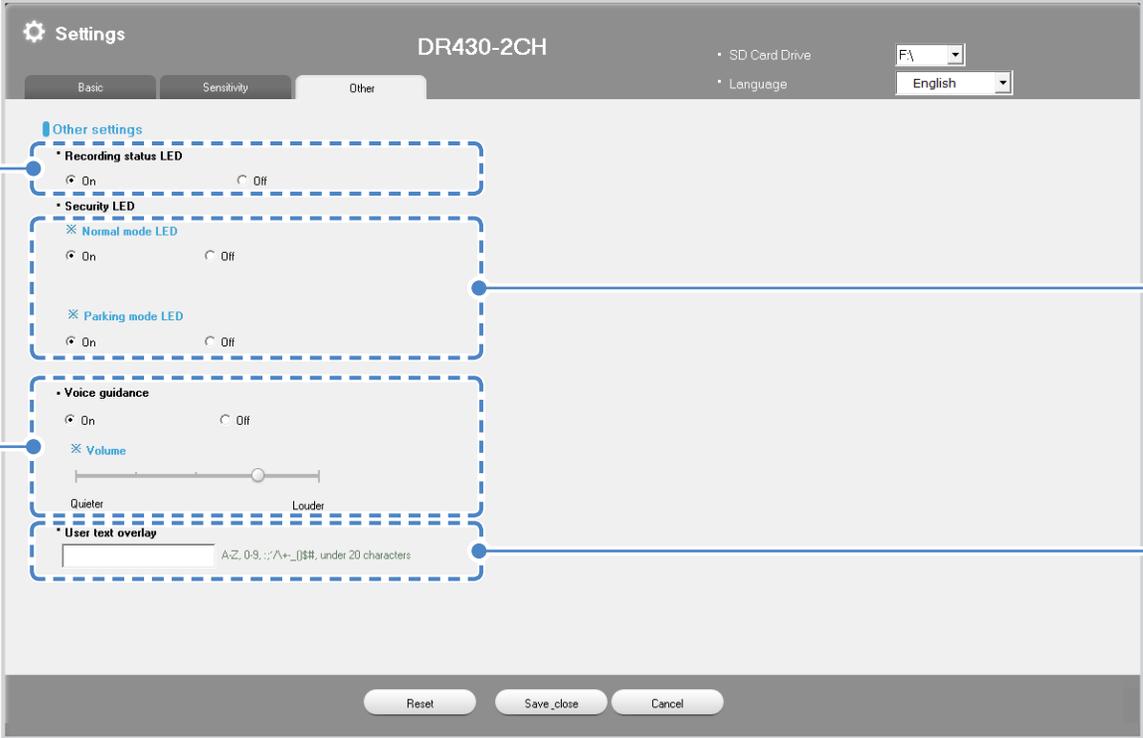
You can set the recording status LED on/off.

You can adjust the volume of the voice guidance (announcements) or turn it off

⚙ Settings   DR430-2CH   • SD Card Drive   F:\
                                                                                      • Language   English

| Basic | Sensitivity | Other |

▌Other settings
• Recording status LED
  ◉ On   ○ Off
• Security LED
  ※ Normal mode LED
  ◉ On   ○ Off

  ※ Parking mode LED
  ◉ On   ○ Off

• Voice guidance
  ◉ On   ○ Off
  ※ Volume
  Quieter   Louder

• User text overlay
  [   ] A-Z, 0-9, :;'/\+-_()$#, under 20 characters

Reset   Save _close   Cancel

You can set the security LED on/off in normal mode and in parking mode.

You can create a user text overlay of up to 20 characters using a combination of English uppercase characters (A – Z), numbers (0 – 9), and symbols (:;'/ \ - _ () $ #). The text is overlaid in the corner of the recorded videos.

☐ Applying the settings

You can automatically apply the configuration by inserting the microSD card into the BlackVue dashcam and turning it on. Configure the settings before using the dashcam.

To reset all settings to their defaults press the reset button in the settings screen of the BlackVue Viewer program.

❯ Padlock (Optional)

You can protect the microSD card using a padlock. To lock the microSD card slot purchase a padlock and lock the microSD lock loop.

📝 **Note**

- Check the size of the microSD lock loop on the BlackVue dashcam before purchasing a padlock.
- Even when the microSD card slot is locked with a padlock, there is the possibility that the card may be forcibly removed by breaking the lock loop, cover or dashcam.
- Copy important videos from the microSD card to other storage media. PittaSoft Co., Ltd. will not be held liable for any loss of videos due to theft of the microSD card.
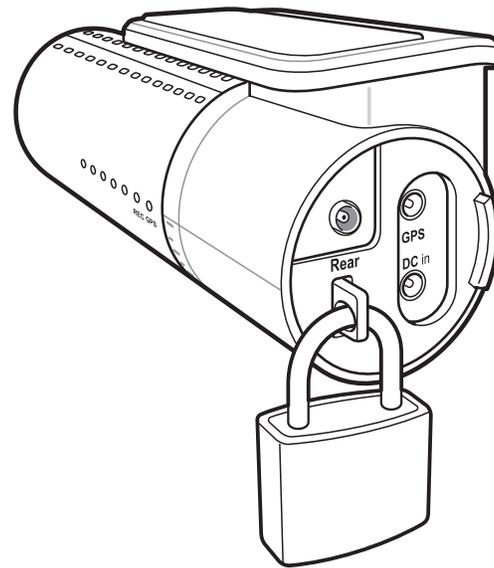
❯ GPS receiver (Optional)

If you do not install an external GPS receiver, videos are recorded without GPS coordinates and driving speed information. To include speed, recording location, and the driving route data in the videos, install an external GPS receiver.
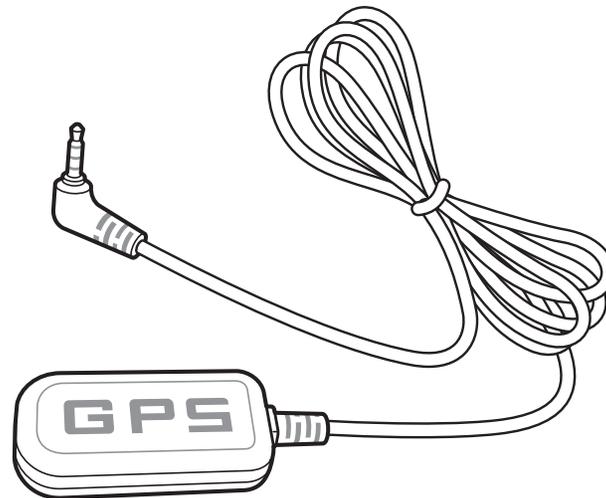
📝 Note

- If you purchased the product without an external GPS receiver, please visit the BlackVue website (www.blackvue.com) for information about purchasing a GPS receiver separately.

Parking mode hardwiring kit (Optional)

The BlackVue dashcam will turn off when the engine is turned off. To record video while the engine is turned off, a hardwiring kit (such as the Power Magic Pro) is required. The Power Magic Pro powers your dashcam when the engine is off by hardwiring it to the automotive battery. A low voltage power cut-off function and a parking mode timer protect your vehicle's battery from discharge.

Dashcam

Power Magic Pro

Fuse Panel

BLACKVUE
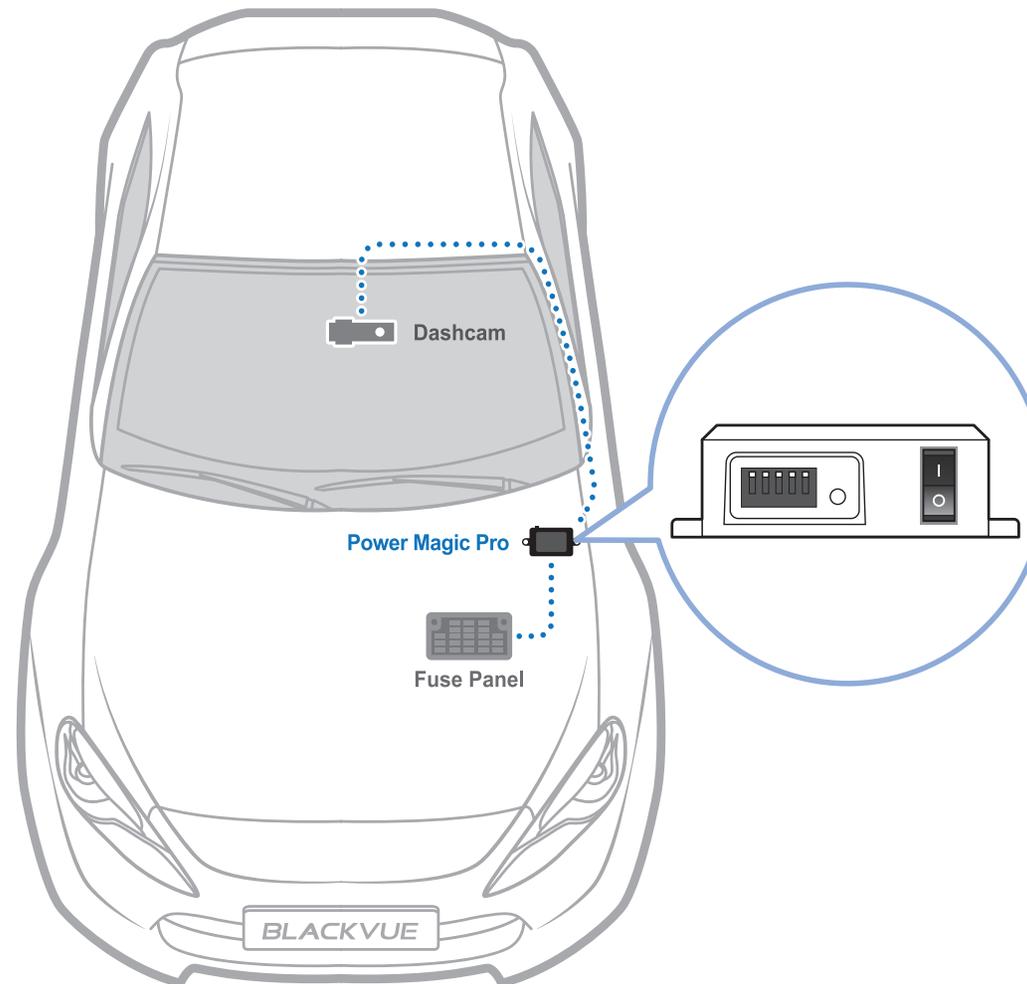
Troubleshooting

❯ Running the time setting program

1 Remove the microSD card from the dashcam and insert it into the microSD card reader.

2 Connect the microSD card reader to a PC.

📝 **Note**

- If you insert the microSD card into the dashcam after setting the time, the dashcam will automatically format the microSD card. Therefore, please backup all important video files before setting the time.

3 Go to the BlackVue website (www.blackvue.com >Support > Download) and download the time setting program in zip format.

4 Unzip the downloaded file and run the time setting program.

5 Select the **SD Card Folder** (microSD card drive).

6 Set the time.

📝 **Note**

- Set the time to the estimated time in the future when you will start recording with the BlackVue dashcam. Please take into account the time it will take to remove the microSD card from your computer, insert it into your dashcam and boot up.
- Booting takes about 10-15 seconds after the dashcam turns on.

7 Click the Save button.

8 Remove the microSD card from your computer, insert the microSD card into the dashcam and turn it on. After booting up the new time setting will be applied.

Frequently asked questions

About using the BlackVue dashcam

- **How can I protect the microSD card?**

  See page 43.

- **How can I remove the camera from the mounting bracket?**

  See page 9.

- **When do the LEDS blink quickly?**

  See page 8.

About the microSD card

- **What should I do if the microSD card is full?**

  See page 30.

- **How do I remove or insert the microSD card?**

  See page 15.

- **How can I read the microSD card on a computer?**

  See page 16.

☐ About recording videos

- **For how long can I record videos?**
  See page 52.

- **How can I set the time zone?**
  See page 38.

☐ About playing back videos

- **What is the meaning of the colors and letters used in the recorded file list?**
  See page 20.

- **How can I save (capture) an image from a video?**
  See page 25.

- **How can I print an image from a video?**
  See page 25.

- **How can I check the GPS data?**
  See page 23.

☐ About changing the settings

- **How can I change the language?**
  See page 36.

- **How can I change the time?**
  See page 46.

- **How can I change the brightness of the video?**
  See page 37.

- **How can I turn off normal mode recording?**
  See page 37.

- **How can I turn off voice recording?**

- **How do I enable or disable the date and time display on videos?**

- **How can I change the speed unit?**

- **How can I change the duration of the video recording files?**

- **How can I disable auto-switching between Normal and Parking modes?**

- **How can I change the impact sensitivity?**

- **How can I change the speed at which a speed alert is issued?**

- **How can I adjust the voice guidance settings?**

- **How can I adjust the volume of the voice guidance?**

- **How can I upgrade the firmware?**

Product specifications

Model Name	DR430-2CH
Color/Size/Weight	Front: Black / Width 115.9 mm x Height 34 mm / 68 g Rear: Black / Width 67.4 mm x Height 25 mm / 28 g
Memory	microSD Card (16 GB / 32 GB / 64 GB / 128 GB)
Recording Modes	Normal Recording, Event Recording (Impact Detection), and Parking Mode Recording (Motion & Impact Detection) * For Parking mode recording, a Parking Mode Hardwiring Kit (Power Magic Pro) is required.
Camera	Front: CMOS Sensor (Approx. 1M Pixel) Rear: CMOS Sensor (Approx. 1M Pixel)
Viewing Angle	Front: Diagonal 129°, Horizontal 108°, Vertical 57° Rear: Diagonal 129°, Horizontal 108°, Vertical 57°
Resolution/Frame Rate	Front: HD (1280x720)@30 Fps Rear: HD (1280x720)@30 Fps * Frame rate changes during parking mode.
Video Compression Mode	MP4
GPS	External (optional)
Microphone	Built-in
Speaker (Voice Guidance)	Built-in
LED Indicators	Front: Recording LED, GPS LED, Front Security LED Rear: Rear Security LED
Sensor	3-Axis Acceleration Sensor Temperature Sensor * Power off function in high temperature environment
Backup Battery	Built-in super capacitor
Input Power	DC 12 V – 24 V (DC Plug: ⊖◉⊕ (Ø3.5 x Ø1.35), MAX 1 A/12 V)

Power Consumption	Avg. 260 mA (3.12 W at 12 V, when there is no external GPS receiver)
	Avg. 280 mA (3.36 W at 12 V, when an external GPS receiver is connected)
	* Actual power consumption may vary depending on use conditions and environment.
Operation Temperature	-20℃ – 60℃ (-4℉ – 140℉)
Storage Temperature	-20℃ – 70℃ (-4℉ – 158℉)
High Temp. Cut-off	Approx. 80℃ (176℉)
Certifications	Front: FCC, CE, RoHS, RCM, WEEE
	Rear: FCC, CE, RoHS, RCM, WEEE
Software	BlackVue Viewer
	* Windows XP or higher (Windows 8 supported) and Mac Leopard OS X (10.5) or higher

Recording time

Your dashcam will automatically turn on and start recording when it is connected to a power source.

Resolution / Memory Capacity		HD + HD @ 30fps
16 GB		3 HR 20 MIN
32 GB		6 HR 40 MIN
64 GB		13 HR 20 MIN
128 GB		26 HR 40 MIN
Bit rate	Front	6 Mbps
	Rear	4 Mbps

Note

- If the microSD card is full, older files are deleted first to make space for newly-recorded videos. Copy important files, such as event recording files, to other storage media.
- Total recording time is different depending on the memory capacity of the microSD card and the resolution of the video.

Disposal and recycling information

Disposal of your BlackVue dashcam

1. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities. Contact local authorities to learn about disposal and recycling options available in your area.
2. The correct disposal of your BlackVue dashcam will help prevent potential negative consequences for the environment and human health.
3. For more detailed information about disposal of your BlackVue dashcam, please contact your city office, waste disposal service or the shop where you purchased the product.

Customer Support

For customer support and firmware updates please visit www.blackvue.com

You can also email a Customer Support expert at cs@pittasoft.com

Before Requesting Service

Please back up all important files and data before requesting service. In order to service the dashcam it may be necessary to delete all files and data from the dashcam. All servicing is provided on the basis that the user has backed up all necessary files and data before requesting service. Therefore Pittasoft Co., Ltd. will not be responsible for the loss of any files or data.

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Product	|	Car Dashcam
Model Name	|	DR430-2CH
Manufacturer	|	Pittasoft Co., Ltd. / South Korea
Address	|	7F, BYC HIGHCITY Building A 131, Gasan Digital 1-ro, Geumcheon-gu, Seoul, Republic of Korea, 08506
Customer Support	|	cs@pittasoft.com
Product Warranty	|	One-Year Limited Warranty

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