

Car Dashcam

**BLACKVUE™ DR500-HD**  
MANUAL



**PITTASOFT**  
[www.blackvue.com](http://www.blackvue.com)



[www.blackvue.com](http://www.blackvue.com)



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## Introduction to the Manual

Thank you for purchasing a BlackVue by Pittasoft Co., Ltd.

This instruction manual contains information on how to operate your BlackVue. Before using the product, make sure to read through this manual so as to use the product in the correct way.

To enhance the performance of the product, the contents of this instruction manual may be changed without prior notice.

### Warranty & Support

- This product records and saves videos of vehicle accidents, but it is not guaranteed to record all accidents. Accidents with light impact that is not enough to activate the impact detection sensor may not be recorded.
- In accordance with Personal Information Security Law & related legislation, Pittasoft Co., Ltd. will not be held responsible for any problem due to illegal use of this product.
- The recorded video produced by this product constitutes the secondary data that may help to determine the circumstances of an accident. Pittasoft Co., Ltd. will not be held responsible for any loss or damage caused by any accident.

### Copyright & Trademark

- This instruction manual is protected by Copyright Law, and all rights to it are protected by law.
- It is prohibited to reproduce, copy, modify, or translate this instruction manual without permission.
-  **BLACKVUE** BlackVue is the registered trademark of Pittasoft Co., Ltd. Pittasoft Co., Ltd. reserves the rights regarding all works related to the BlackVue brand such as product design, trademarks, and product-promotional videos. It is prohibited to reproduce, copy, modify, or use related works without permission. Any violation may be penalized in accordance with the relevant regulations.

#### Caution

- A formatted microSD card is provided when you purchase the product. Insert the microSD card into BlackVue, and turn on the power. The microSD card will be initialized, and programs such as BlackVue Viewer will be installed.

## Getting Started

### Cautions for Safety

The purpose of these cautions is to maintain user safety and avoid damage to property.

Please make sure to read through this manual so as to use the product in the correct way.



#### **DANGER**

Death or property damage can be caused for users if the following directions are not followed:

- **Do not disassemble, repair, or modify the product yourself.**  
It can cause fire, electric shock, or malfunction. For internal inspection and repair, call the sales headquarter.
- **If any foreign matter gets inside the product, detach the power cord straightaway.**  
Call the sales headquarter for repair.
- **Do not operate the product while driving.**  
It can cause an accident. Stop or park your car in a safe place to operate it.
- **Do not install the product where it can interfere with the driver's vision.**  
It can cause an accident.
- **Do not use a damaged or modified power cord. Use the cords provided by the manufacturer.**  
Otherwise it can cause explosion, fire, or malfunction.
- **Do not operate the product with wet hands.**  
It can cause electric shock.
- **Do not install it in an environment with high humidity, or combustible gases or liquids.**  
It can cause explosion & fire.



## WARNING

Death or serious injury can be caused for users if the following directions are not followed:

- **Do not leave the product where infants, children, or pets can reach it.**  
They might swallow small components, or their saliva could get into it and cause an explosion due to a short circuit.
- **While cleaning the inside of the car, do not spray water or wax directly onto the product.**  
It can cause fire, electric shock, or malfunction.
- **If smoke or an unusual smell is emitted from the power cord, detach it immediately.**  
Call the sales headquarter or the dealer.
- **Keep the terminal of the power cord clean.**  
A dirty terminal can cause excessive heat and fire.
- **Use the correct input voltage.**  
Otherwise it can cause explosion, fire, or malfunction.
- **Connect the power cord firmly so that it cannot easily be disconnected.**  
Othersise it can cause fire.
- **Do not cover the product with any material.**  
It can cause external deformation of the product or fire. Use the product and peripherals where ventilation is ensured.

**CAUTION**

Injury or property damage can be caused for users if the following directions are not followed:

- **Do not spray cleaning products directly onto the outside of the product.**  
It can cause discoloration, cracks, or malfunction.
- **Do not press the RESET button with a sharp object such as an awl.**  
It can cause damage or malfunction.
- **If the product is used outside the optimal temperature range (0°C ~ 60°C), performance can decline or malfunction can be caused.**
- **Make sure that the product is installed properly.**  
The product can fall as a result of vibration, and may cause physical injury.
- **While entering or exiting a tunnel, during daytime in the face of bright sunlight, or at night with no light, the quality of recorded video can 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 it to be indistinct.**
- **Prolonged use of the product can increase the interior temperature and cause burns.**
- **microSD cards are a consumable so replace them after prolonged use.**  
They may not record video correctly after a long time in use, so check their recording capability periodically and replace it as necessary.
- **Clean the lens regularly.**  
Foreign material attached to the lens can affect the recording quality.
- **Do not remove the microSD card while it is saving or reading data.**  
The data can be damaged or malfunction caused.
- **Do not use the BlackVue, while cover is open.**

## Checks for the microSD Card

Refer to the followings for trouble-free use of your microSD card.

- It is recommended to format it once a week.
- If the recorded video suffers from break-up, format the microSD card.
- For stable function, format it with programs recommended by the SD card association. For more details, refer to the BlackVue website ([www.blackvue.com](http://www.blackvue.com)).
- Before formatting it, copy important files to other storage media to store them.
- Insert the formatted microSD card into the product so that the microSD card is automatically initialized and the firmware is installed on it.
- Insert or remove the microSD card only when the product is turned off.
- microSD cards are a consumables and they are guaranteed for 6 months.
- Other manufacturer's microSD cards can cause compatibility problems so it is recommended to use a Pitsoft microSD card.
- **The use of the Power Magic (the Battery Discharge Prevention Device) can shorten the microSD card lifespan.**

## Product Features



### Ultra-high quality and smooth video

Full HD (1920x1080) 30-frame ultra-high quality video



### High-class design with functionality

Simple, luxurious design in pearl black



### Megapixel lens & CMOS sensor

Clearer vision with high-resolution megapixel lens during both day/night-time driving



### High-quality wide-angle lens (155°)

Maximized viewing angle to record accurate video of any accident



### Diverse recording options (Normal/Event/Parking)

Event recording and automatic conversion & deactivation of parking mode



### High-compression recording mode to extend SD-card life

Efficient memory usage with high-compression storage method



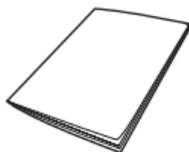
### Support of viewer programs for Windows PC and Mac

BlackVue software with convenient configurations such as power video search, resolution change, voice direction, and parking mode

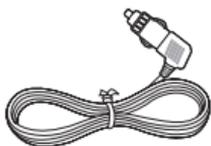
## ◆ Package Components



BlackVue



Manual



Power Cord



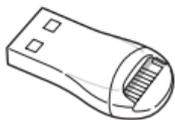
Cable Clips (5 EA)



Double-sided Tape for the Mounting Bracket



microSD Card  
(Including BlackVue Software)

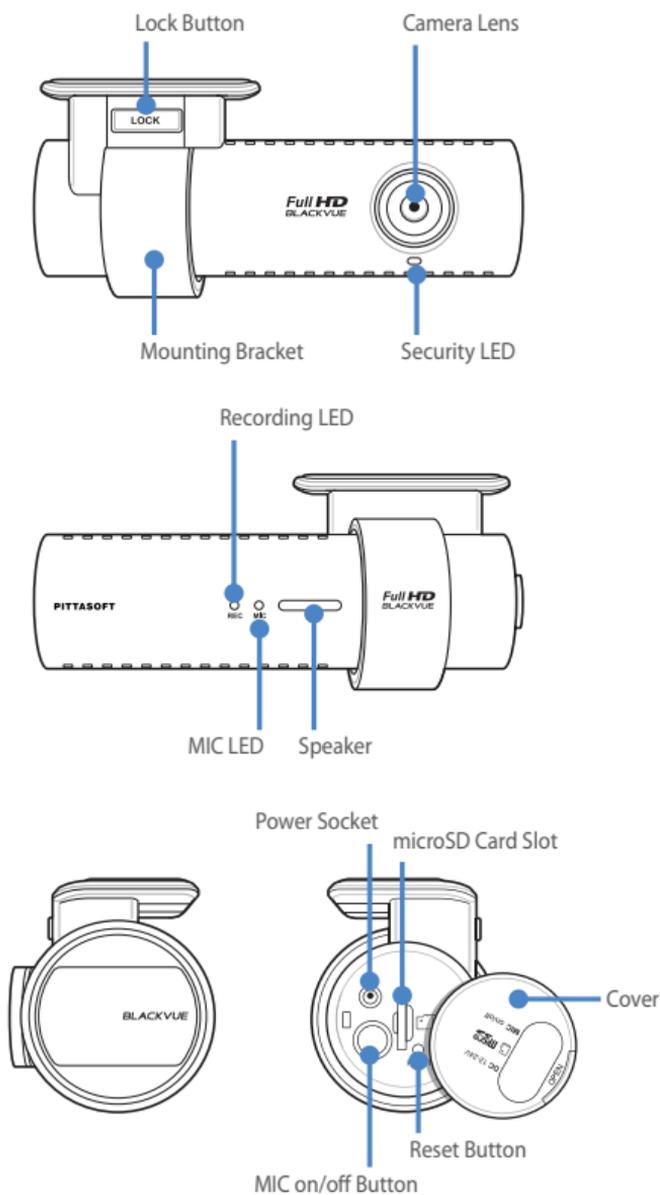


microSD Card Reader

### Note

- Pictures of the components may differ from the actual ones.
- To enhance the performance of the product, components may be changed without prior notice.

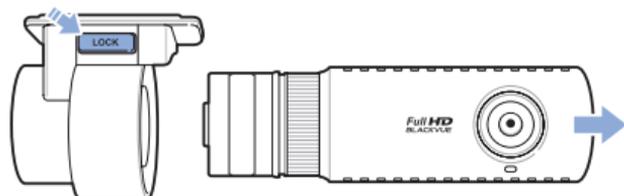
## Names of Each Part



## Note

- If you need to reset BlackVue, press the **Reset** button. It is recommended for emergency use only.

## ◆ How to Attach & Detach the Mounting Bracket

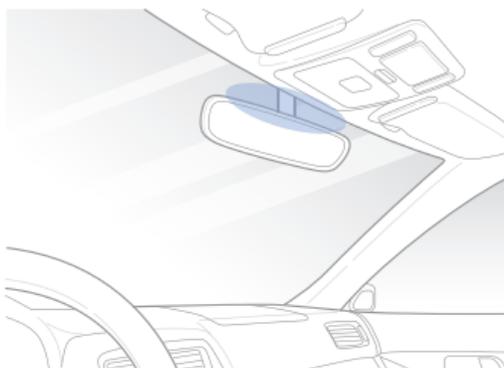


- 1** Pull the unit out of the mounting bracket with the **LOCK** button pressed.
- 2** Insert the unit into the mounting bracket until you hear clicking sound, to attach it.

## How to Install the BlackVue

### ◆ Checking Installation Position

- 1 It is recommended to install it at the back of rear view mirror. Clean any foreign matter and moisture from the place where the product will be installed.

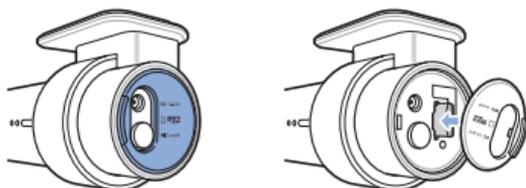


#### Note

- Do not install the product where it can interfere with the driver's vision.

### ◆ How to Insert & Remove the microSD Card

- 1 Open the cover on the side of the product.
- 2 Insert the microSD card into the microSD card slot, as shown in the picture.
- 3 To remove the microSD card, press the microSD card once and then pull it out. Make sure that the microSD card doesn't pop out while trying to remove it.



## Caution

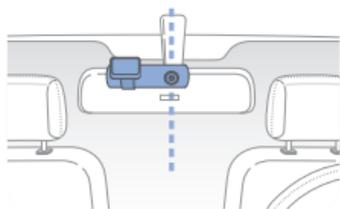
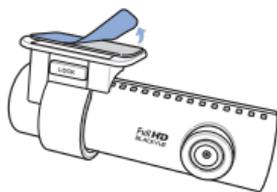
- Do not remove the microSD card while it is saving or reading data. The data may be damaged or malfunction caused.
- Copy important data to other storage media to store. Pittasoft Co., Ltd. will not be held responsible for data loss due to user negligence.

## Note

- Insert or remove the microSD card only when the product is turned off.
- microSD cards are consumables. Replace them after prolonged use.

## Installation

- 1 Stop the engine where there is some light and in a safe place, and then remove the key.
- 2 Attach the product to the windshield glass with the double-sided tape. Set the camera lens to point directly forwards to the center when installing it. After installing the product, remove the lens cap.

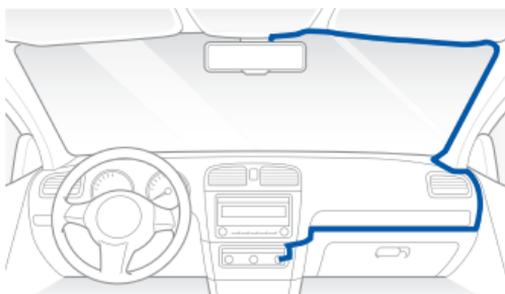


- 3 Use the power cord to connect the DC IN of the product to car's power socket.

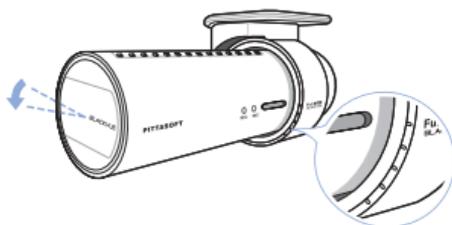
## Note

- It is recommended to use Power Magic (the Battery Discharge Prevention Device) to record video while the car is parked.
- To use the BlackVue at the same time as other equipment, purchase and use a two-way adaptor.

- 4** Use the cable clip to organize the power cord so that it doesn't interfere with the driver's vision.



- 5** Adjust the lens angle of the camera.



 **Note**

- After adjusting the angle of the camera lens, remember the angle of the mounting bracket so that it can be installed at the same angle next time.

- 6** Start the engine and check if the product works properly.

 **Caution**

- Do not remove the microSD card while it is saving or reading data. The data may be damaged or malfunction caused.
- Set the time (time zone) when you use BlackVue for the first time. (28 page)

 **Note**

- After a test drive, check if video was correctly recorded.
- Recorded video is saved in the MP4 format.

## Video Recording

### ◆ Normal Recording

- 1 When the engine is started, the BlackVue is turned on automatically.
- 2 When the BlackVue is turned on, normal recording is automatically started.

#### Note

- If Power Magic (the Battery Discharge Prevention Device) is connected, the BlackVue is not turned off.
- The normal recording function can be disabled in the BlackVue software configuration. (28 page)

### ◆ Parking Mode Recording

- 1 If the car doesn't move for 10 min or longer when in normal mode, it is automatically converted to parking mode recording.
- 2 In parking mode recording, if movement or impact is detected by the camera, video is recorded.

#### Note

- To use parking mode recording while the engine is stopped, connect Power Magic (the Battery Discharge Prevention Device).
- Automatic conversion function of parking mode recording can be disabled in the BlackVue software configuration. (28 page)

## Event Recording

- 1 If an impact is detected in normal or parking mode recording, event recording is started.
- 2 It records video for 5 seconds before and 55 seconds after the impact.

### Note

- Sensitivity to impact can be adjusted in the BlackVue software configuration. (30 page)
- Event recording time can be adjusted in the BlackVue software configuration. (28 page) If you set the event recording time for 2 minute, it records video for 5 seconds before and 115 seconds after the impact.

## Simple Video Playback

### ◆ How to Playback using a microSD Card

#### ▮ Playback Using a Smartphone

With a smartphone that supports microSD cards video can be played back.

**1** Turn off the BlackVue and remove the microSD card.

 **Note**

- For the details on how to remove the microSD card, refer to **How to Insert & Remove the microSD Card**. (13 page)

**2** Insert the microSD card into the smartphone.

**3** Open an application to play back recorded videos and select the movie you want to play back.

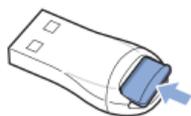
 **Note**

- How to play back recorded videos may differ between smartphones, so refer to your instruction manual for the details.
- If there are many recorded videos in the microSD card, it may take a long time to load the file.
- Some smartphones don't support full HD video playback. For smartphones that support full HD video playback, refer to the BlackVue website ([www.blackvue.com](http://www.blackvue.com)).

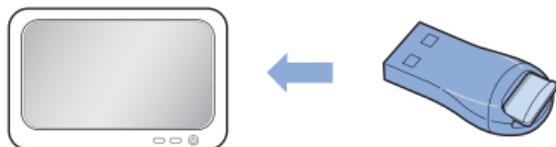
## Watching with a GPS navigation

Recorded videos can be played back using a GPS navigation.

- 1 Insert the provided microSD card into a microSD card reader.



- 2 Connect the microSD card reader to the GPS navigation.



- 3 Open an application to play back recorded videos and select the movie you want to play back from the removable drive.

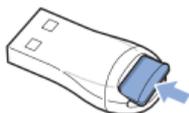
### Note

- How to play back recorded videos may differ between navigators, so refer to your instruction manual for the details.
- If there are many recorded videos in the microSD card, it may take a long time to load the file.
- Some GPS navigation don't support full HD video playback.

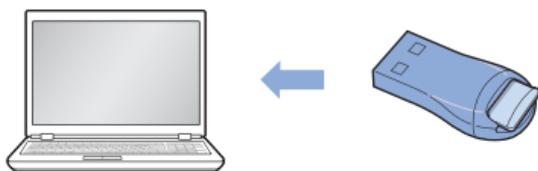
## How to Playback using a PC

Recorded videos can be played back with a PC.

- 1 Insert the provided microSD card into a microSD card reader.



- 2 Connect the microSD card reader to the PC.



- 3 Open an application to play back recorded videos and select the movie you want to play back from the removable drive.

### Note

- When trying to play back a recorded video with a movie playback program on a PC, install the H.264 and AAC audio codecs.
- For how to play back using the BlackVue software, refer to **Video Playback**. (24 page)

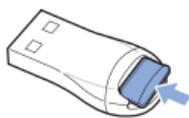
## How to use the BlackVue Software

### Installation & Execution

#### How to Install

Dedicated BlackVue software can be installed in a PC.

- 1 Insert the provided microSD card into a microSD card reader.



- 2 Connect the microSD card reader to the PC.



- 3 Execute the 'BlackVueSetup(HD).exe' file in the 'BlackVue\Software' folder.
- 4 Install the program according to the installation program instruction. When the installation is finished, the BlackVue software icon is displayed on the desktop.
- 5 Double-click the icon to execute the program.

#### Note

- Only the English version of BlackVue software is available for Mac, and the functions & screen may be different from the BlackVue software for Windows.

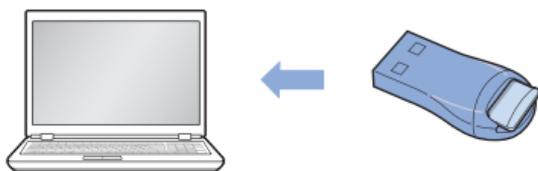
## How to Execute Without Installation

It is possible to execute the dedicated BlackVue program without installation.

- 1 Insert the provided microSD card into a microSD card reader.



- 2 Connect the microSD card reader to the PC.



- 3 Double-click 'BlackVue.exe' in the 'BlackVue\Application' folder.

## Screen Description



No.	Name	Description
1	Playback Screen for Recorded Videos	Videos can be played back using this screen. The mouse can be used to zoom in/out.
2	Language Setting	If you change the language on playback screen, the language for BlackVue Viewer can be changed. details about language configuration for BlackVue, refer to the <b>Basic Configuration</b> . (28 page)
3	G-Sensor Information	G-sensor information can be checked, at the time the video was recorded.
4	Recorded Video List	Using the file list and map tab, the recorded video list, and where a video was recorded can be checked. : This is a normal recording file and marked with green in the timeline. : This is an event recording file and marked with orange in the timeline. : This is a parking mode recording file and marked with blue in the timeline.

No.	Name	Description
5	Timeline	Video can be explored with the date, hr, min, and sec of when a video was recorded.
6	Playback Option Button	The playing-back window can be extended to full screen and be reversed upside down. With the playback control button, video playback, speed, and volume can be controlled.

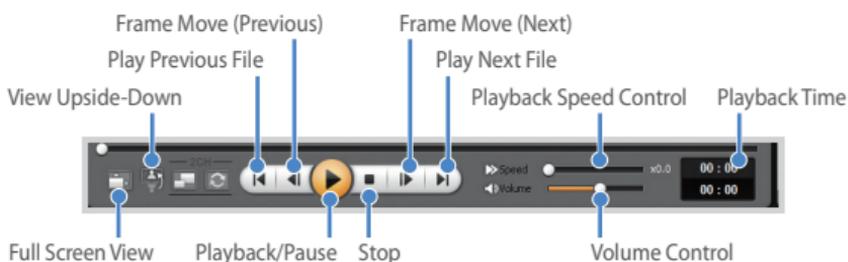
## Note

- This model may not support the 2CH view and GPS function.

## Video Playback

### How to Control the Playback of Recorded Video

The recorded video can be played back in full screen mode and be reversed upside down. The playback speed can be adjusted.



## Note

- While a recorded video is played back, double-click the screen to switch to full screen view. Double-click the screen again or press ESC to return to default view.
- While playing back a recorded video, use the mouse wheel to zoom in/out.
- While playing back a recorded video, right-click the screen to view 100 % zoom-in screen.

## Magnifying Glass

Some parts of a recorded video can be zoomed in while playing back. Left-click the screen while a recorded video is being played back to see a partial zoom-in window and to use it to identify the number plate of a car while moving it.



### Note

- You can use the Magnifier function only in BlackVue Viewer for Windows.

## Timeline

Video can be explored with the date, hr, min, and sec of when a video was recorded.



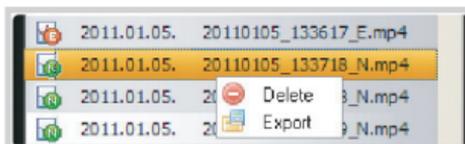
### Note

- In the date selection area, the date with a recorded video is marked by a red circle and the currently-selected date is marked by a yellow circle.

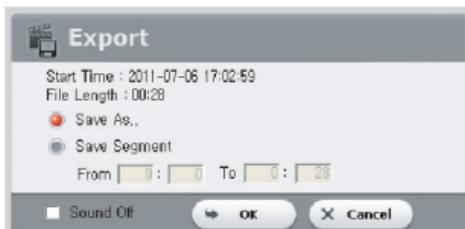
## How to Manage Files

With the recorded video list, a file can be deleted or saved with a different name.

- 1 Select a file from the recorded video list and right-click it.



- 2 To delete a file, click **Delete**.
- 3 To save it with different name, click **Export** and select the option you want.



- 4 Press the **OK** button and select the file name you want, together with the path.
- 5 Press the **Save** button to finish.

## How to Save as an Image

While playing back a recorded video, some parts can be saved as images if you want.

- 1 Select a file from the recorded video list and play it back.
- 2 From the image to be saved, press the  button.

### Note

- Using the timeline or press the  /  button to explore detailed images.

- 3 Press the  button.
- 4 Select the file name you want, together with the path, and click the **Save** button.

### Note

- JPG and BMP formats are supported for image files.

## How to Print Out an Image

While playing back a recorded video, some parts can be printed out as images if you want.

- 1 Select a file from the recorded video list and play it back.
- 2 From the image to be saved, press the  button.

### Note

- Using the timeline or press the  /  button to explore detailed images.

- 3 Press the  button.
- 4 Select the printer and click the **OK** button.

## Configuration

### Basic Configuration

Time, video, and recording configurations can be changed.

- 1 Click the  button and click the **Basic** tab.
- 2 After changing the configuration, click **Save & Close**.



No.	Function	Description
1	Time Zone (Timezone Configuration)	The time zone can be configured for where it is used. The configured time zone is used as information for recorded video. For the details, refer to the <b>How to Configure the Time.</b> (29 page)
2	Image Setting	Resolution, quality, and the brightness of the recorded video can be configured. According to the resolution, recording time varies: for the details, refer to the <b>microSD card standard.</b> (36 page)
3	Recording Setting	<b>Normal Record, Voice Record, Date and Time Display</b> and <b>Auto Switching to Parking Mode</b> function can be turned on/off. <b>Speed Display</b> and recording mode, <b>Record File Unit</b> and <b>Recording Storage Setting</b> can be changed.
4	Language Setting	The language of BlackVue voice directions can be changed.

 **Note**

- **With the normal recording function disabled**, only event and parking mode recording videos are saved.
- **With the speed display unit disabled**, the vehicle speed is not displayed when the recorded videos are played back.
- On microSD cards, older files are deleted first to mark space for newly-recorded videos. Copy and store important files such as even recording files to other storage media.
- If you use a low-end device for playing a recorded video, please set **Quality** to **Normal (low-end compatible)**.

## How to Configure Time

If the model is not equipped with GPS, set the time manually for use. If you do not set the time, the time of the recorded video may not be saved correctly.

- 1** Format the microSD card and perform the firmware upgrade.
- 2** Access the BlackVue website ([www.blackvue.com](http://www.blackvue.com)) and download the time setting program.
- 3** Run the time setting program before setting the time.

 **Note**

- The time should be set to the time BlackVue turns on. Booting time for BlackVue is about 15 seconds after power is connected.

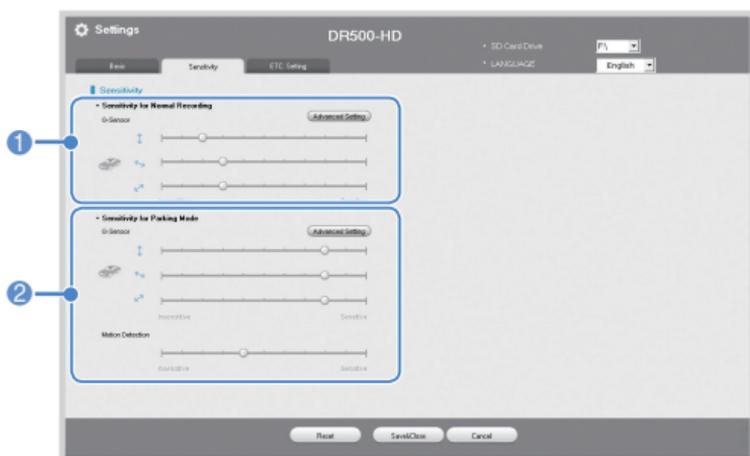
## How to Configure Sensitivity

It is possible to configure the G-sensor sensitivity to start event recording during normal recording and the G-sensor & motion detection sensitivity to start event recording during parking mode recording, respectively.

- 1 Click the  button and click the **Sensitivity** tab.
- 2 After changing the configuration, click **Save & Close**.

### Note

- For details about advanced sensitivity configuration, refer to **Advanced Sensitivity Configuration**. (31 page)



No.	Function	Description
1	Sensitivity for Normal Recording	It is possible to configure the G-sensor sensitivity to start event recording during normal recording.
2	Sensitivity for Parking Mode	It is possible to configure the G-sensor and motion detection sensitivity to start event recording during parking mode recording.

## Advanced Sensitivity Configuration

The sensitivity can be configured while watching a recorded video.

- 1 Click the  button and click the **Sensitivity** tab.
- 2 Click the **Advanced Setting** button of the configuration you want.
- 3 Play back a recorded video. Saved G-sensor information is displayed at the bottom of the recorded video which is played back.



- 4 Move the control bar up/down to adjust the sensitivity range. If the range is wide, it is less sensitive, and if the range is narrow, it is more sensitive.

It is recorded as an event.



It is not recorded as an event.



### Note

- If an event recording is started due to the sensitivity configured while a recorded video is being played back, the edge of the play-back screen blinks in orange.

- 5 After changing the configuration, click **Save & Close**.

## Other Configuration

Configurations for LED indication and voice direction can be changed.



No.	Function	Description
1	Etc.	For video recording status, normal recording mode, and parking mode recording, the LED indicators can be turned on/off. Voice direction item or the volume can be changed.

## How to Apply Configuration

The user's configuration can be applied to the product.

- 1 Insert the microSD card into the product. For details on how to insert the microSD card, refer to **How to Insert & Remove the microSD Card**. (13 page)
- 2 When the power is turned on, the user's configuration is automatically applied.

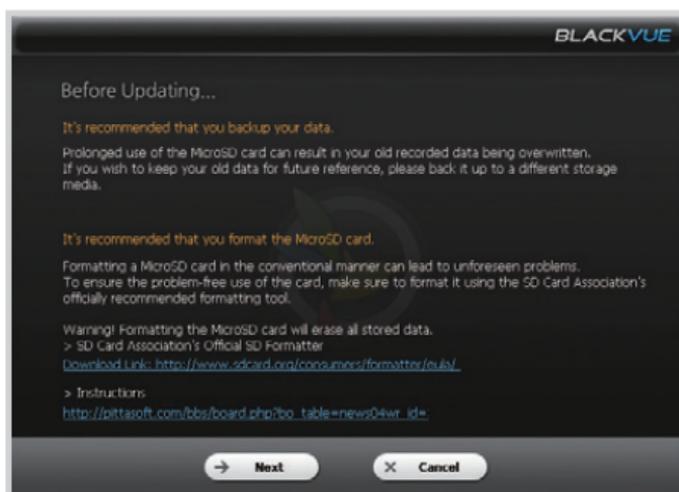
### Note

- Insert the microSD card only when the product is turned off.

## Firmware Upgrade

Existing products can be upgraded by downloading a new version of the firmware.

- 1 Connect the microSD card to the PC. For details on how to connect, refer to **How to Playback using a PC**. (20 page)
- 2 Access the BlackVue website ([www.blackvue.com](http://www.blackvue.com)) and download the firmware upgrade file.
- 3 Double-click the firmware upgrade file to execute it and perform the upgrade according to instructions provided in the program.



### Note

- After firmware upgrade, the user's configuration is initiated.
- When the firmware upgrade is finished, the BlackVue software is automatically installed. If you don't want it to be installed, click the **Cancel** button.

- 4** After the firmware upgrade is finished, insert the microSD card into the BlackVue.

 **Note**

- For details on how to insert the microSD card, refer to **How to Insert & Remove the microSD Card**. (13 page)
- Insert the microSD card only when the product is turned off.

- 5** When the power is turned on, it is automatically upgraded.

 **Caution**

- Make sure that the power is never turned off while firmware upgrade is in progress.

## Product Specifications & Standards

### Product Specifications

<b>Model Name</b>	DR500-HD
<b>Color/Size/Weight</b>	Pearl Black / Length 118.5mm x Diameter 36mm / 104g
<b>Memory</b>	microSD Card (16GB / 32GB)
<b>Recording Mode</b>	Normal Recording, Event Recording (Impact Detection), and Parking Mode Recording (Motion+Impact Detection) * For parking mode recording, a battery discharge prevention device is required.
<b>Camera</b>	CMOS Sensor (Approx. 2M Pixel)
<b>Viewing Angle</b>	Opposite Angle 156°, Horizontal 122°, Vertical 89°
<b>Resolution/Frame</b>	Full HD(1920x1080)@30fps, Full HD(1920x1080)@15fps, HD(1280x720)@30fps, HD(1280x720)@15fps, D1(720x480)@30fps * Resolution/frame can be changed
<b>Video Compression Mode</b>	MP4
<b>Microphone</b>	Built-in
<b>Speaker</b>	Built-in * Voice Directions
<b>LED Indicators</b>	Recording LED, MIC LED, Security LED
<b>Sensor</b>	3-Axis Acceleration Sensor
<b>Button</b>	MIC on/off Button
<b>Backup Battery</b>	Built-in Super Capacitor
<b>Input Power</b>	DC 12V-24V
<b>Current Consumption</b>	Max. 2.8W
<b>Operation Temperature</b>	-20°C ~ 70°C
<b>Certificates</b>	FCC, CE, RoHS
<b>Software</b>	BlackVue Viewer * Windows XP or later (Up to Windows 8), Mac Leopard OS X(10.5) or later

## LED Indicators

State \ LED		Recording (REC)	MIC	Security
Boot-up		Blinking		
Recording	Normal	Orange Blinking		White Blinking
	Event	Red Blinking		Fast White Blinking
	Parking	Green Blinking		White Blinking
MIC ON			Blue Light	
Software Control		Available	Available	Available

## microSD Card Standard

Memory Capacity	Image Quality	Full HD (1920x1080) 30fps	Full HD (1920x1080) 15fps	HD (1280x720) 30fps	HD (1280x720) 15fps	D1 (720x480) 30fps
16GB	Highest	3 HR 20 MIN	4 HR 10 MIN	4 HR 10 MIN	5 HR 40 MIN	8 HR 30 MIN
	High	4 HR 30 MIN	5 HR 40 MIN	5 HR 40 MIN	8 HR 30 MIN	11 HR 20 MIN
	Normal	6 HR 50 MIN	8 HR 30 MIN	8 HR 40 MIN	11 HR 20 MIN	17 HR 10 MIN
	Normal (low-end compatible)	4 HR 30 MIN	6 HR 50 MIN	6 HR 50 MIN	11 HR 20 MIN	17 HR 10 MIN
32GB	Highest	6 HR 40 MIN	8 HR 20 MIN	8 HR 20 MIN	11 HR 10 MIN	16 HR 50 MIN
	High	9 HR	11 HR 10 MIN	11 HR 10 MIN	16 HR 50 MIN	22 HR 30 MIN
	Normal	13 HR 30 MIN	16 HR 50 MIN	17 HR	22 HR 30 MIN	33 HR 50 MIN
	Normal (low-end compatible)	9 HR 10 MIN	13 HR 30 MIN	13 HR 40 MIN	22 HR 40 MIN	33 HR 50 MIN

### Note

- There may be some variation with actual recording time.
- Depending on the image quality, the microSD card lifespan can be shorten.

## Before Requesting A/S Service

It is required for users to back up important data regularly from the storage device (to other separate media). Depending on the situation, it will be necessary to delete the data from the internal storage device (component). It might be necessary to delete all the data from the product for A/S Service. So it is required for users to back up important data by themselves before requesting A/S Service. For all A/S services, it is assumed that the user has already backed up their data, so there is no additional back-up process. Therefore, it is important to note that we will not be held responsible for any data lost during A/S service.

## FCC Compliance Information

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.

Operation is subject to the following two conditions;

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

**CAUTION** : Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Modifications not expressly approved by the manufacturer could void the user's authority to operated the equipment under FCC rules.

# Product Warranty

- The term of this product warranty is 2 year from the purchase date. (Accessories such as Battery/microSD Card : 6 Months)
- We, Pittasoft Co., Ltd., provide the product warranty according to Consumer Dispute Settlement Regulations (drawn up by the Fair Trade Commission). Pittasoft or designated partners will provide the service upon request.

<b>Product Name (Model Name)</b>		<b>Serial No.</b>	
<b>Purchased When</b>		<b>Purchased Where</b>	
<b>Customer Information</b>		<b>Address / Call Number</b>	

Consumer Injury		Warranty			
		Within the Term	Out of the Term		
For performance/functional problems under normal use conditions		For serious repair required within 10 days of purchase	Exchange/Refund	N/A	
		For serious repair required within 1 month of purchase	Exchange		
		For serious repair required within 1 month of exchange	Exchange/Refund		
		When not exchangeable	Refund		
	Repair If Available		For Defect	Free Repair	Paid Repair/ Paid Product Exchange
			Repeated problem with the same defect (up to 3 times)	Exchange/ Refund	
			Repeated problem with different parts (up to 5 times)		
	Repair If Unavailable		For the loss of a product while in A/S	Exchange/ Refund	Refund with 10% added to the valuation of the product taking depreciation into account (Upper Limit: Purchase Price)
			When repair is unavailable due to lack of spare parts within the component holding period		
			When repair is unavailable even with spare parts		Exchange/ Refund after depreciation
1) Malfunction due to customer fault		Paid Repair	Paid Repair		
- Malfunction & damage caused by user negligence (fall, shock, damage, unreasonable operation, etc) or careless use					
- Malfunction & damage after the customer or a third party repaired or modified the product.					
- Malfunction & damage due to used of unauthorized components, consumables, or separately sold parts					
2) Other Cases					
- Malfunction due to natural disasters (fire, flood, earthquake, etc)					
- Expired life span of a consumable part					
- Malfunction due to external reasons					

- This warranty is only valid in the country where you purchased the product.

**MEMO**

**MEMO**

**MEMO**

**MEMO**