



GRUNDIG

GDVR-3080

FULL HD 1080P DVR



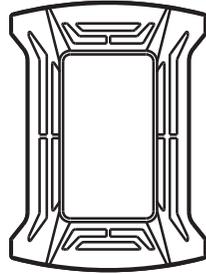
Front - Rear
DVR Ready

DVR Quick Start Guide

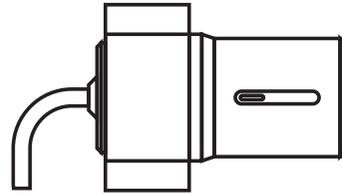
What's in the box



Front Camera



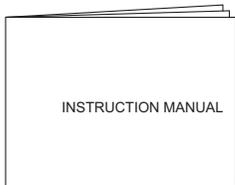
Front Camera
Cradle



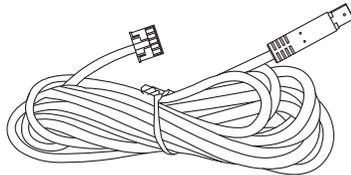
Rear Camera



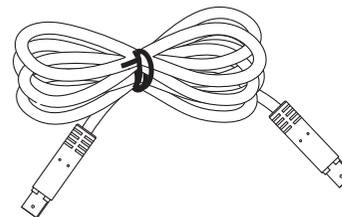
Rear Camera
Cradle



Instruction Manual



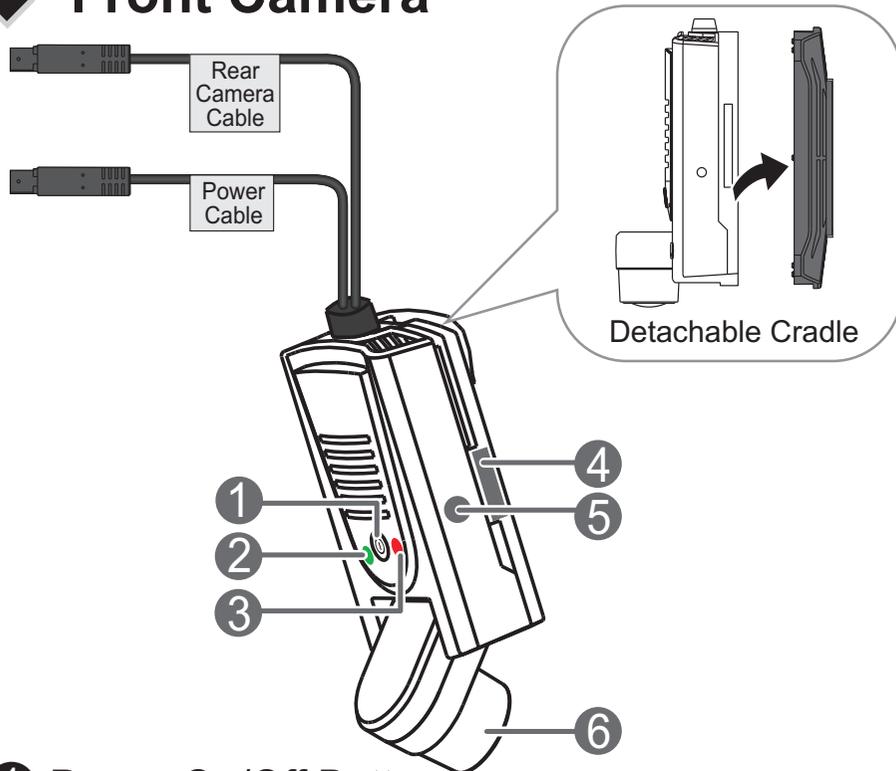
Power Cable



Rear Camera
Connection Cable

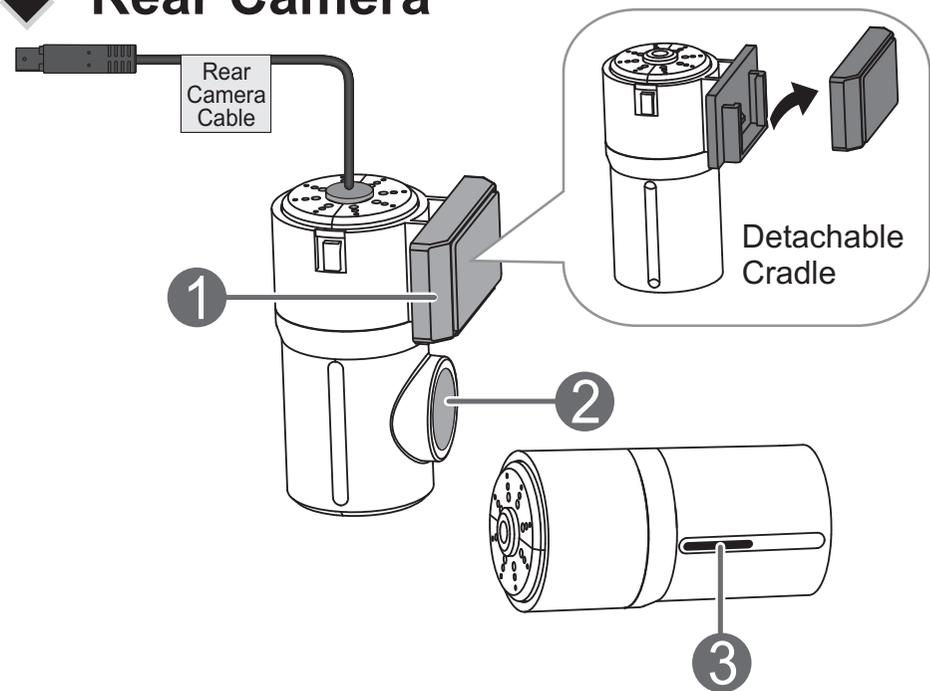
Overview Of The Unit

◆ Front Camera



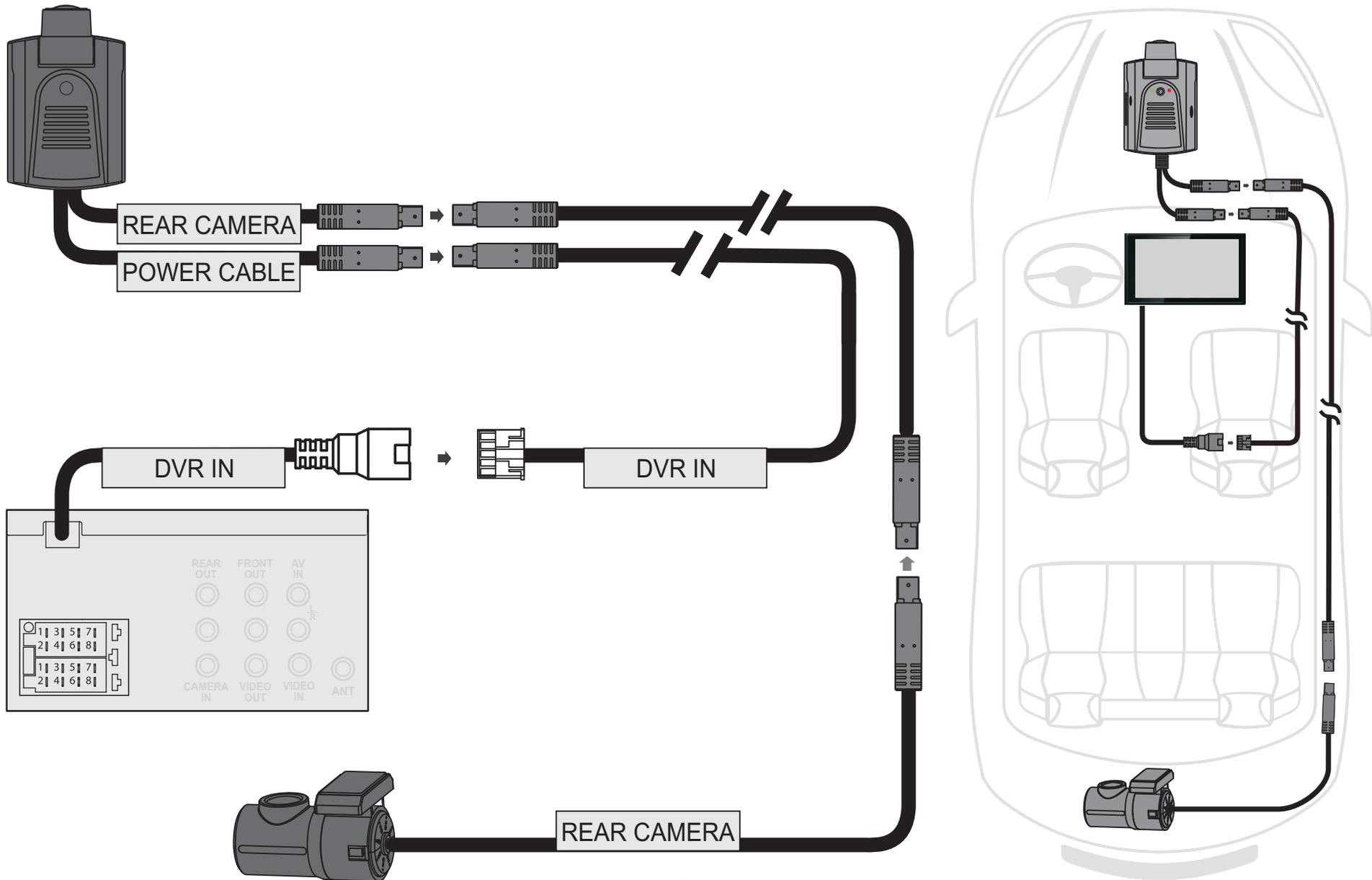
- ① Power On/Off Button
- ② Green LED for Recording
 - Blinks when recording
 - Stops blinking when in standby mode
- ③ Power On Red LED
- ④ microSD Card Slot
- ⑤ Microphone
- ⑥ Adjustable Front Camera Lens

◆ Rear Camera



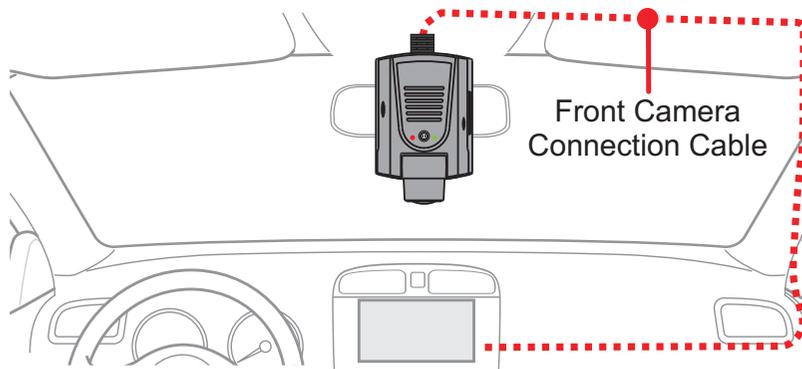
- ① Adjustable Rear Camera Cradle
- ② Camera Lens
- ③ Power On Blue LED

Wiring Diagram

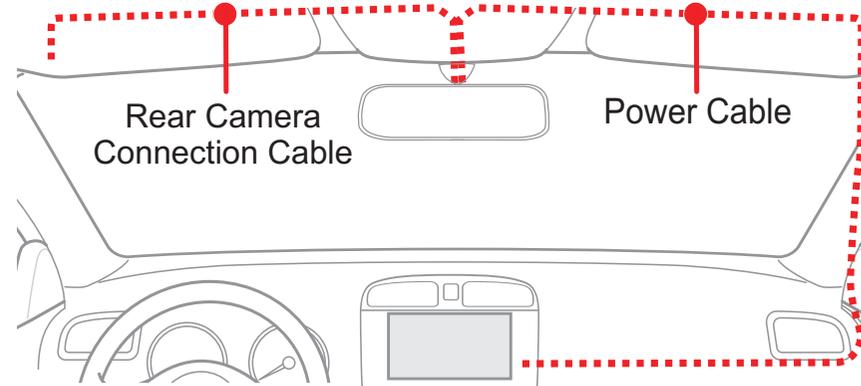


Installation

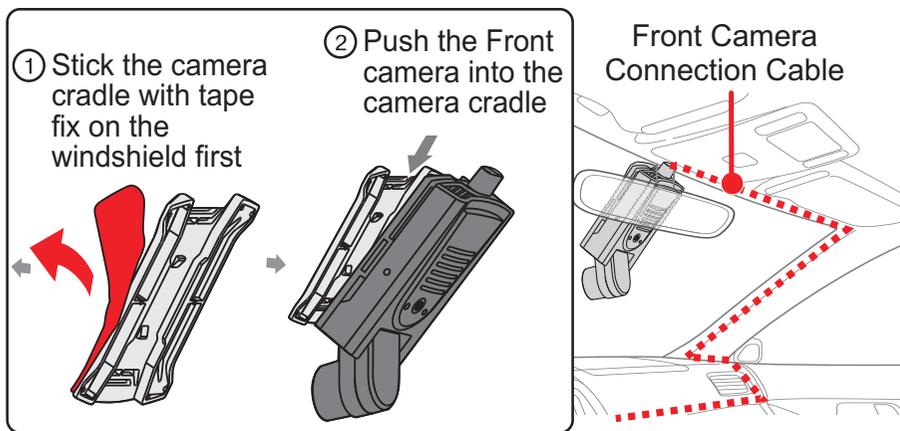
- ◆ Place the Front Camera on the windshield behind the rearview mirror and adjust the appropriate Lens angle by checking it on the Car Audio.



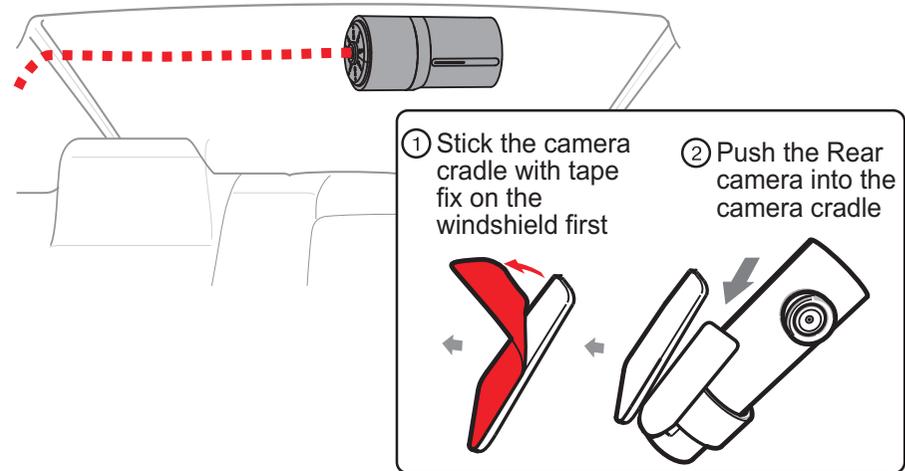
- ◆ Place the Rear Camera on the rear windshield and adjust the appropriate lens angle by checking it on the Car Audio.



- ◆ Remove the protective film of the double sided tape on the base of the Front Camera and fix the Front Camera on the windshield behind the rearview Mirror.



- Remove the protective film of the double sided tape on the camera base and fix the Rear Camera at proper position of the rear windshield.



Getting Started

◆ Head Unit Initial Set Up

1. Tap  to access System Menu and set [Camera In] to [Rear DVR].



2. Tap  to access this device camera screen.



◆ Date & Time On Head Unit

This device automatically synchronizes date and time from head unit when car is turned on. Ensure correct date and time is set in the head unit menu.



◆ DVR Operation Description



1	Access into the System Settings to select the Video Resolution: Full HD 30fps or HD 30fps
2	Recording Video status / Photo Take status
3	Take Photo
4	Recording the video, tap again in standby starts
5	Emergency video record, the Current Event file lock and stored in event folder
6	Access into the Video/File Playback Browser menu to adjust items: (Normal File/Event File/Parking File/Photo)
7	Access into the System setting menu to adjust items: (Recording mode / Image mode / microSD Card mode / Settings)
8	The Red LED blinks in recording the video
9	Time consuming
10	Switch the Camera screen

Major Settings

◆ Video Duration

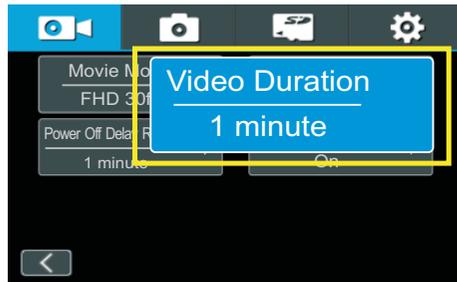
The duration for each recording:

1Minute- the duration for each recording is 1 minute

2Minutes- the duration for each recording is 2 minutes

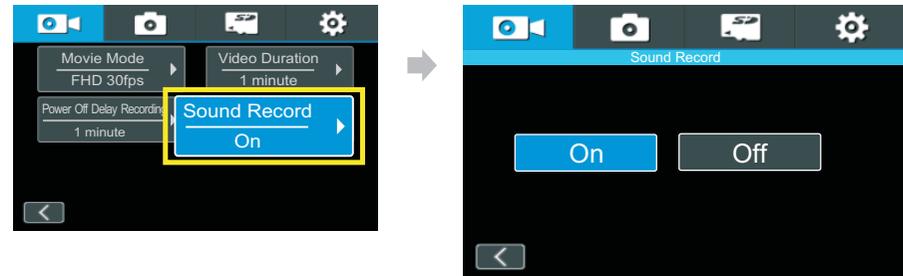
3Minutes- the duration for each recording is 3 minutes

5Minutes- the duration for each recording is 5 minutes



◆ Sound Record

Microphone records sound from surroundings and you can hear the recorded sound when playing the video.



TIPS If you don't want to record any sound, just turn off the microphone.

◆ Power Off Delay Recording

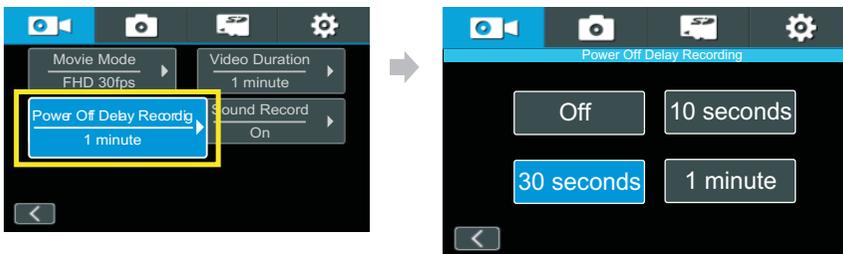
This device will continue to record after the power is turned off:

10 Seconds - This device will still continue to record for 10 seconds after the power is turned off

30 Seconds - This device will still continue to record for 30 seconds after the power is turned off

1Minute - This device will still continue to record for 1 minute after the power is turned off

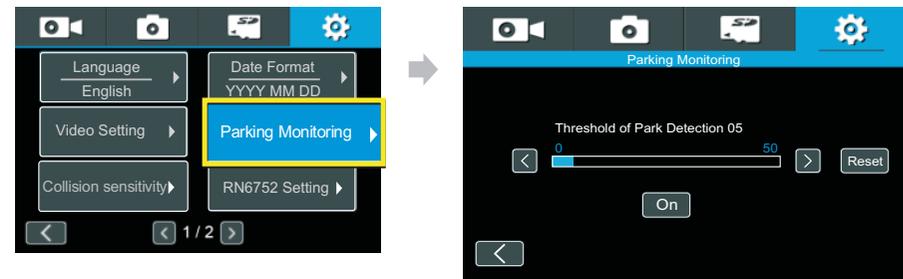
Off - Disable this feature



◆ Parking Monitoring

This device will automatically turn on and start recording when something hits the car (e.g. collision). This function only activates when the car is parked and the engine is turned off. Video is saved in the PARKING folder.

The lower the monitoring setting value, the easier it is to start the recording.



Major Settings

◆ Collision Sensitivity

During collision or sudden brake this device will start up the Gravity Sensor, video recorded are saved separately in special folder called EVENT



Axis X direction: means turning left and right.

The smaller the value in the X direction, the easier it is to activate gravity sensing when turning.



Axis Y direction: means acceleration and emergency stop.

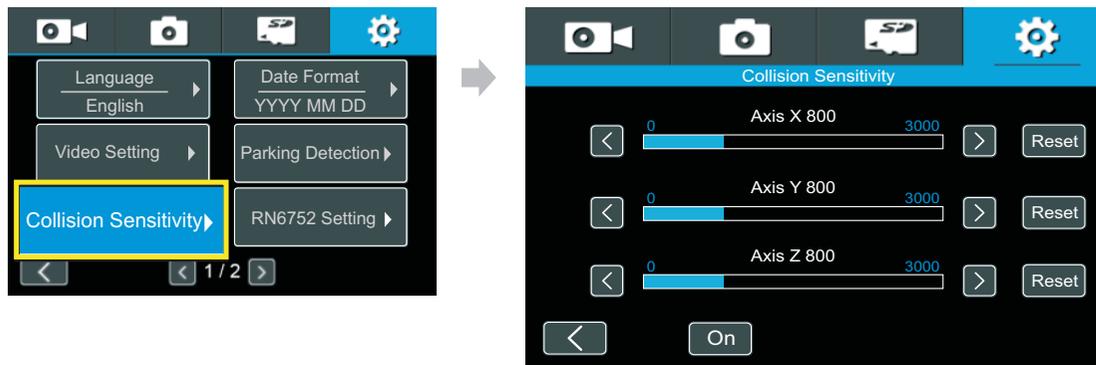
The smaller the value in the Y direction, the easier it is to activate the gravity sensor during an emergency brake.



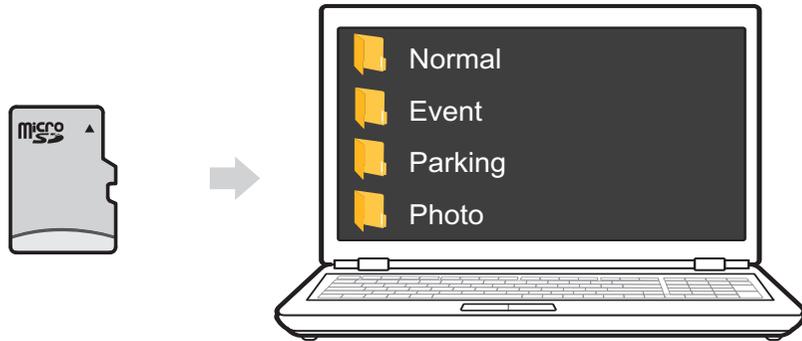
Axis Z direction: indicates bumps up and down.

The smaller the value in the Z direction, the easier it is to activate gravity sensing during bumps.

- **On/ Off:** Enable/Disable this feature



Managing video File On PC



 Normal	Normal Video Folder Videos recorded under normal circumstances are saved in this folder. The device allocates 69% of its storage capacity for this folder alone. Old videos will be automatically deleted and replaced by the new ones when the allocated storage is full.
 Event	Emergency Video Folder Videos recorded during sudden brake stop, collision or car crash are saved in this folder. 20% of the device's storage capacity is allocated for this folder. Old videos will be automatically deleted and replaced by the new ones when the allocated storage is full.
 Parking	Parked Car Monitoring Video Folder Events that may occur when car is parked such as collisions are recorded and saved in this folder. 10% of the device's storage capacity is reserved for this folder. Old videos are automatically deleted and replaced by the new ones when the allocated storage is full.
 Photo	Photo Folder Photos captured are saved and stored here. Only 1% of the device's storage capacity is dedicated for this folder. Old photos are automatically deleted and replaced by the new ones when the dedicated storage is full.

TIPS

- Please use a microSD card with capacity at least 16GB, up to 256GB, Class 10 or above.
- Be sure to format the microSD card with the device before usage.

Product Specification

Working Voltage	DC 9-16V	
Working Current	350mA	
Stand by Current	<2mA	
Working Temperature	0°C~70°C	
Camera Lens	6 crystal glass Lens	
Camera Aperture	F2.0	
Safety Fuse	1A	
Front Camera View Angle	Horizontal	109°
	Vertical	58°
	Diagonal	140°
Rear Camera View Angle	Horizontal	109°
	Vertical	58°
	Diagonal	140°
Video Output	NTSC	
Gravity Sensor	3 Axle Accelerometer G-Sensor(3D,±3G)	
Image Sensor	Front: SONY IMX307 2.0 Mega Pixel	
	Rear: SONY IMX307 2.0 Mega pixel	
Memory	microSD Card (16GB/32GB/64GB/128GB/256GB,Above Class 10)	
Resolution	Front :Full HD (1920×1080) @30fps	
	Rear: Full HD (1920×1080) @30fps	
Audio Input	Embedded MIC	
Video / Audio Compressor	ADPCM Audio compression H.264 Video compression	

Troubleshooting

Troubles	Causes	Solutions
The device makes beep sound continuously	microSD Card maybe defective	Check if the microSD Card is damaged and replace it with a new one
Blurred video	Device lens is dusty	Clean the lens
	Windshield of vehicle is dusty	Clean the windshield
	Environmental impact outside the vehicle	Observe other videos to determine if the environment is affected
Stop recording automatically	Use a low-speed microSD Card	Use a microSD Card with high-speed (CLASS 10 or higher)
	microSD Card maybe defective	Check if the microSD Card is damaged and replace it with a new one

FC

✓ **RoHS**



CE