앞면

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가로 : 368mm (92mm X 4면)

세로 : 256mm (128mm X 2면)

G.NET SYSTEM
DASH CAM SOLUTION

L2
2CH FULL HD / HD

Quick User Guide rev01

This is quick user guide which is including the basic information. For more detail information, you can download it at Gnet system website:
(http://www.gnetsystem.com/en → SUPPORT → DOWNLOAD)

CAUTION FOR MICRO SD MEMORY CARD

- **There is the lifetime of memory card for rewriting which is expendable product. It is recommended change your SD card in every 3 months.**
- **Please check your memory card once every month for maintenance and stability. It is recommended that you check memory card through SD formatter program(www.sdcard.org).**
- Please use the genuine Gnet system memory card to avoid error, incompatibility and malfunction of product. Only genuine Gnet system memory card is under 3 months warranty. Other brands SD card is not covered by warranty.
- The device must be turned off when removing the memory card. It may cause loss of data or malfunctionot the memory card when user forces switch-off while it is running.
- Do not remove SD card or turn off the power cable during firmware update, it may cause malfunction orloss of data.
- Our device can support the recording storage **Min: 4GB Max: 256GB.**

SD Memory Capacity and Recording Time

SD Card Capacity	Recording Time (30fps)
4GB	45min
8GB	1 hour 30 min
16GB	3 hours
32GB	6 hours
64GB	12 hours
128GB	24 hours
256GB	48 hours

PRODUCT SPECIFICATION

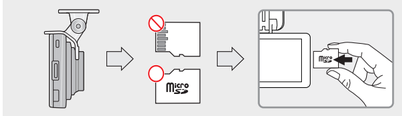
Image Sensor	Full HD / HD CMOS Sensor
Audio input	Built-in Microphone
Video Compression	H.264
Audio Compression	ADPCM
Resolution	Front Cam 1080P (1920x1080) & Rear Cam HD 720P (1280x720)
FPS	Max. 30fps
Angle View	140 degrees
Memory Capacity	Max. 256GB Micro SD card (Class 10) supported
G-Sensor	Event recording by External Shock
Speaker	Operation Status alarm / Voice guidance
Wi-Fi (Optional)	Connect to GNET application via Wi-fi dongle
External GPS (Optional)	Synched with Google map, Keep track of location and Speed
PC Viewer	Windows XP/7/8/10, Support 32Bit / 64Bit, Supported over OSX 10.7 64Bit Synchronizing Google map with PC viewer is supported over Windows7 and explorer 10 as per Google's policy.
Power	DC 12V ~ 24V
Allowable current of providing fuse	3A
Operation temperature	-20℃ ~ 80℃
Humidity	10~95%
Dimension	Front camera : 100 X 61 X 33 MM / Rear Camera : 44 X 38 X 28 MM

※Specifications and Components may be changed without notice of improvement in advance.

INSTALLATION

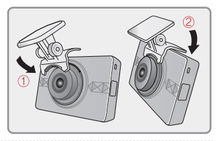
How to insert the Micro SD memory card

Please be fully aware before using Micro SD Memory.



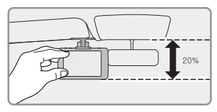
How to install the dash camera

1 Assemble the Front cam with a bracket. Until the hook is located on right place with coming sound according to the order (①,②)



2 Insert the memory card into memory card slot, and then detach the cover from the adhesive tape on the bracket

3 Install the front camera at the front windshield by adjusting the angle. (Install the front camera so that it does not block the driver's field of vision)



CAUTION FOR SAFE USE

NOTE
All copyrights reserved to Gnet system Co.,Ltd.
If you take illegal action(copy, modification, distribution) without prior consent by Gnet system Co.,Ltd., Gnet system Co.,Ltd. will apply legal sanctions.

- Please use recommended/stable voltage only. Otherwise, improper use may cause product failure and fire accidents, explosion or damage to the vehicle.
- Do not install the device on colored or heavily tinted windshield as it may affect video quality.
- Do not mount dash cam on area where it obstructs the driver's view or the operation of the vehicle itself.
- Avoid in high temperature or high humidity place
- For safety, do not operate dash cam while driving
- Please check whether the device is functioning before driving a car.
- Please check date/time if the device is not used for a long period of time. If user doesn't use dash cam for a long time, dash cam would be initialized except for connecting with External GPS.
- In the event that the product is used as proof of accident, Gnet system will not be responsible for any gain or loss caused by the accident.

PACKAGE COMPONETS

Basic Components



Front Camera & Rear Camera (Including bracket) | Rear Camera connection cable | Direct power cable | USB Reader, Micro SD Memory card | User Manual

Optional accessories



External GPS | Cigar jack power Cable | Wi-Fi dongle

Please check the package component.
(External GPS, Cigar jack cable, Wi-Fi dongle are sold separately with extra cost)

※ The image of components may be different from the real components.
※ Specifications and Components may be change without notice for improving quality.
※ We are highly recommend to use Genuine memory card from GNET SYSTEM

NAME OF EACH PARTS

Front Dash Cam



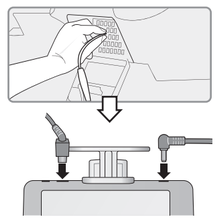
① Front Cam lens
② Security LED
③ Front Cam bracket
④ LCD Screen
⑤ GPS LED
⑥ REC LED
⑦ Power connection slot
⑧ Rear cam connection slot
⑨ GPS connection slot
⑩ Micro SD Memory Card Slot
⑪ Power Button
⑫ WiFi USB Slot

Rear Dash Cam

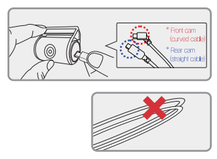


① Rear Cam lens
② LED
③ Front Cam connection port
④ Rear Cam Bracket

4 Connect direct power cable to fuse box terminal in the car.The connection terminal should be connected to the fuse that the current flows even if the ACC is shut off.

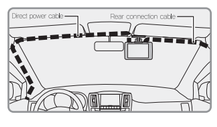


5 Detach the adhesive tape on the rear camera and place it on the rear windshields of the car.



※ When installing the rear camera connection cable, be careful to not break the wire as showed picture.

6 Use the cable holder, clean the power cable inside of the car



※ Recommend to install the power cable is toward driver seat and rear camera connection cable is toward passenger seat to prevent the car navigation GPS problem.

뒷면

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HOW TO USE

How to set the LCD screen - Main Screen

The LCD screen will appear after voice guidance of "Start recording" starts



① Play	Play recorded video.
② LCD off	After Screen is turned off, then touch LCD anywhere, LCD would be turned on.
③ Live	Watch Real time video.
④ Setup	Adjust setting.
⑤ Wi-Fi	When press Wi-Fi button, voice guide of "Standby mode for the registration" come out. If don't have Wi-Fi connection for 2min, Wi-Fi registration mode would be automatically released.
	▶ If don't install Wi-Fi dongle ▶ If install Wi-Fi dongle
⑥ Power off	Shut down System.

LCD touch screen calibration



When the LCD touch screen does not work well, you can calibrate the LCD touch screen in the following way

1 [Setup] → [System] → [LCD] → [Calibration]
2 Or press the power button three times more than 0.5 second at the main screen. If so, you can enter the [Calibration] menu
3 Follow the instructions on the screen and touch the center of the cross in order.

ADAS function

FVSA, FCWS and LDWS icon can be seen only when the LCD screen is real time video.

※ To improve recognition rate of ADAS, it is recommended to install the dash camera in the center.



① **LDWS (Lane Departure Warning System)**
As shown in the picture, when the lane is detected, the green point is displayed. If driver leave the lane, the red dot is displayed with alarm.
Note: The Lane Departure Warning System will work if it is above the setting speed.



② **FVSA (Front Vehicle Start Alarm)**
It activates when the stopped front vehicle departs away over 2 meters
The icon will appear on the LCD screen with a beep when the distance from the front car exceeds 2M



③ **FCWS (Forward Collision Warning System)**
When the driver approaches very close to front vehicle, the dash camera will alarm with warning triangle icon on LCD.

SMART PHONE APPLICATION VIA Wi-Fi

How to connect – Android

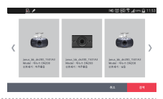
1 Run GNET app icon after installation to smart device



2 At the first time, the message to guide you to register dash cam will show up, If select "No" to terminate the application or select "Yes" to go product registration page



3 It will search and display registered dash camera SSID and model name.
Before select the registered products, please keep the stand-by-mode by pressing the Wi-Fi button.



4 Press the Wi-Fi button to activate standby mode. There will be voice guidance "Stand-by mode for the registration"

The registration has to be done within 2 minutes. If there is no Wi-Fi connection or time is over, voice guidance "Stand-by mode for the registration released" come out.



5 In the case where registration is not active or connection is failed in standby mode, voice guidance will appear.If so, try to press Wi-Fi button to activate stand-by mode for registration again.



6 Registration process is finished as right picture shown. User can modify dash cam name as what user want.



5 Before register the dash cam in the registration page, press the Wi-Fi button to activate standby mode. There will be voice guidance "Stand-by mode for the registration"

The registration has to be done within 2 minutes. If there is no Wi-Fi connection or time is over, voice guidance "Stand-by mode for the registration released" come out.



6 If register stand-by mode is not activated or released, a message will show up like right picture. If so, try to press Wi-Fi button to activate Wi-Fi stand-by mode for registration.



7 Registration process is finished as right picture shown



Main Menu – iOS

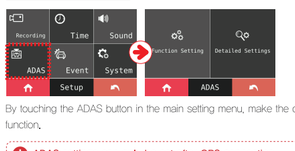


① **Connect** : Check the real time recording.
② **Search**: Play the recording files in list which is organized on the timeline.
③ **Settings**: Setup the dash camera by smartphone. The dash camera will be rebooted, after the finishing the setup by press the save button.
④ **Help**: Check the Wi-Fi setting help page.

While the dash camera is playing video, it will not be recorded for stabilization. After it is changed to "Live mode", the recording will be started automatically.

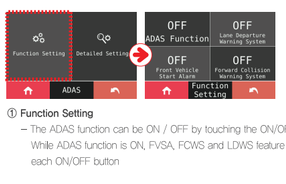
ADAS FUNCTION

How to set the ADAS

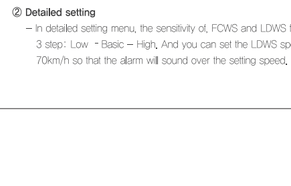


By touching the ADAS button in the main setting menu, make the detail settings of the ADAS function.

ADAS settings can only be set after GPS connection.



① **Function Setting**
– The ADAS function can be ON / OFF by touching the ON/OFF button
While ADAS function is ON, FVSA, FCWS and LDWS feature can be ON/OFF by touching each ON/OFF button



② **Detailed setting**
– In detailed setting menu, the sensitivity of, FCWS and LDWS feature can be adjusted as 3 step: Low - Basic – High. And you can set the LDWS speed 50km/h, 60km/h, or 70km/h so that the alarm will sound over the setting speed.

PC VIEWER



① Recording File list
② GPS reception
Available only when installed GPS.
③ Google MAP
Only available when there is GPS connection.
④ Screen Switch,
Switch Color / Black & White Mode
⑤ G-Sensor(Acceleration) Graph
⑥ Playback speed
⑦ Volume

⑧ Playback Recording

	Reverse Play, Normal Play
	Pause
	Repeat event
	Step Reverse, Step
	1 Frame Play

⑨ Speed meter Available only when installed GPS.

⑩ Video Control

	Thumbnail
	Drawing a lane
	Print
	Backup
	Setup
	Open file

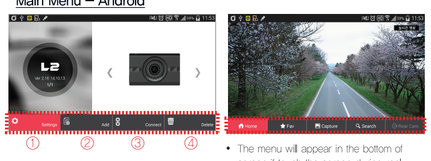
How to check the G-sensor data



① Locating where recording is playing
② Data and graph (G-sensor data)

- When play the video, you can check the G-sensor data of X-axis (direction), Y-axis (left and right), Z-axis (height).

Main Menu – Android



① Setting : Setup the dash camera easily by smartphone dash camera will reboot after save the new setup.
② Add : Move to registration page
③ Connect : Check the real time recording video after registration.
④ Delete : Delete registered dash camera.

- The menu will appear in the bottom of screen if touch the screen during real time streaming.

How to connect - iOS

1 Turn on Wi-Fi function of Smart phone.
2 Select "GNET_BB_L2_XXXXX" in Wi-Fi list.
3 Put **[qwertyuiop]** in the password window and touch the "Join" button.



4 Run GNET app icon in your Smart phone



Warranty Card

Product	GNET Dash cam		Model	L2
Serial Number			Purchasing date	
Consumer	Name		Tel	
	Address			

※Warranty period of each part is as follow
– Front camera, Rear Camera: 1 Year
– Memory Card, External GPS : 3 Months
– Power Cable, Uninterrupted Cable : 3 Months

※ If you would like to repair the product, please contact by e-mail address info@gnetsystem.com

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