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접는선 접는선 접는선

가로 : 368mm (92mm X 4면)

세로 : 256mm (128mm X 2면)

REAL HDR | H.265 Video codec

GT900

4CH FHD.HD.HD.HD DASH CAM

Quick Guide rev01

This manual covers only the most basic contents for using GT900. For details about GT900, please check the contents on the web site (http://www.gnetsystem.com).

Equipment name: Car accident video recorder (GT900) | Year of manufacture: listed in product box
Manufacturer / Country of Origin: GNET SYSTEM CO., LTD./ Korea | Certification Number: R-R-TLP-GT900

Scope of warranty and liability

1. Typical memory storage devices have a usable life, and data may be lost due to storage life and static or external voltage shocks. Be sure to copy important storage data to another storage device
2. Except for damage caused by the failure of this product or loss of stored data, our company shall not be liable for any damages.

※ Manuals and specifications are subject to change without notice to improve quality.

Micro SD Memory Precautions

- Micro SD memory is a consumable product with a read/write life due to its nature. Regular management is required as the recording may not be possible during prolonged use
  (Please note that we will not be liable for recording errors due to out-of-lifespan memory.)
- Third-party Micro SD memory purchases may cause compatibility issues with the product, so please purchase our memory. Memory not provided by us will be excluded from A/S
- In the event of a car accident, take out the Micro SD memory and store the recorded video on your computer. The recorded images will be overwritten sequentially by regular recording, etc. and the accident images will be erased.
- Be sure to turn off the product power and then disconnect the Micro SD memory after verifying that the REC LED is off. If not so, recorded images may be damaged. Micro SD memory may be defective or live shorter.
- If there is any data other than GT900-only program and recorded video provided in Micro SD memory, it is automatically deleted to improve stability. [Do not use the memory card you are using in the dash cam for any other purpose. It will be automatically deleted when inserted to the product]
- It is possible to use it without errors even if memory is not formatted with its own JDR file system, but it is recommended to format it more than once a month because there may be a hardware error.
  – Please download the SD Formatter program through http://www.sdcard.org and check if there is any abnormality in Micro SD memory.
- Micro SD memory cards used in this product are recommended for the dedicated memory cards of GNET. Memory cards other than the dedicated memory card of GNET may not operate properly. Micro SD memory can support 1TB and SSD external storage can support maximum 1TB(Specification:M.2 SATA3, Interface key:B Key, B+M Compatible, Max. Storage capacity : 2280 supported)
- If you install Micro SD memory for the first time or after formatting, it takes about 3 ~ 5 minutes for micro SD memory check and data generation depending on the capacity of Micro SD memory. Do not turn off the power or remove Micro SD memory during operation. – If Micro SD memory is removed during data generation, it may not be recorded.

Product specification

Channel	4 ch (Fron, Right, Left, Rear)
Image Sensor	Full HD CCMS Sensor (Front-FHD, Right,Left-HD, Rear-HD)
Audio input	Built-in Microphone
Video compression	H.256
Audio compression	ADPCM
Recording Resolution	Front 1080p(1920X1080P), Side/Rear 720p(1280X720)
Wi-fi button	Smartphone registration standby mode
Vibration Sensor	Event recording by impact
Voice Support (Speaker)	An audible alarm and voice guide for operational status
Memory support (Dual save supported)	Micro SD 16MB~1TB, External 2M Method SSD storage support (maximum 1TB) Specification:M.2 SATA3, Interface key:B Key, B+M Compatible, Max. Storage capacity : 2280 supported
External GPS Sensor	Location & Speed recording, Based on google map (option)
Viewer	Windows Vista / 7 / 8 / 10, 32Bit / 64Bit supported CPU i5 3.0GHz, Memory 4GB or higher required Depending on PC's capabilities, It may not be smooth to play 3 channels at the same time, Google map mis supported from windows 7 under Google policy Explore 10 or higher is required
Power	DC 12V ~ 24V
Acceptable currency value of the supplied fuse	3A
Operation Temperature	-20° C ~ 70° C (Storage : -20° C ~ 80° C)
Humidity	10~95%
LCD(Touch)	4.5 inch 854x480 Pressure Sensitive Touch screen
Water/Dust Proof	Right, Left side Camera : IP69K
Dimension	Front 128x64x36mm / Right, Left, Rear 44x36x46mm

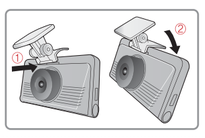
※Some specifications of this product are subject to change without prior notice for quality improvement.

Product installing

If you install the product at a non-professional installation store, it may not be possible to receive free repairs. Therefore, be sure to seek professional help. We are not responsible for any breakdowns, accidents, vehicle or product damage caused by this.

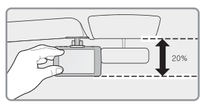
Connecting a dash cam to a vehicle

1 Insert the Micro SD memory and insert the mount into the groove on the top of camera as shown in ①, then insert the port side groove part as shown ② and push it until it click



2 Remove the double-sided tape attached to the mount

3 Select and attach the location of the vehicle attachment and then rotate the handle to adjust an angle of recording of a dash cam. At this time, be careful not to obstruct the front surface of the lens. ※Please be careful for a dash cam not to obstruct the view of a driver.



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

5 Connect a direct power cable to the fuse box terminal inside the vehicle. [Connect a direct power cable to fuse box terminal which is always power-supplied even if the ACC is cut off to trunk, emergency light and door lock.]
Connect the DC power jack and the Side & Rear camera cables to the connection terminal on the top of the dash cam

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Precautions for safe use

All rights to the product are in GNET and are protected under copyright law. Unauthorized copying, modification and distribution without prior consent of GNET may be subject to criminal penalties.

- Do not expose the unit to excessive shocks or debris.
  (This may damage the product or cause fire and electric shock.)
- Avoid excessive tanning or special glass as much as possible.
  (The images could be blurry or distorted and it may cause a problem to GPS reception rate.)
- Do not disconnect or modify the product at your discretion.
  (We are not responsible for any damage caused by user tampering)
- While driving, please refrain from checking or operating the product for safety.
- When cleaning the inside of vehicle, do not use water or volatile chemicals to clean the product.
  (This may damage the product or cause fire and electric shock.)
- If it is not used for a long period of time, the time of the product may be reset. Please always check the time. (Excluded when connecting external GPS)
- When exposed to direct sunlight for a long period of time, recognition error of SD card and camera image distortion may occur due to temperature increase inside vehicle. If outdoor parking is required for a long period of time, disconnecting power may help to use your dash cam without any problems
- Avoid high temperature or high humidity environment for normal operation of the product.
- Please periodically check if the equipment operates normally.
- Check the operation of the internal camera periodically on the LCD real-time screen before driving. If the internal camera is defective, the screen is not switched to the internal image and only the front image is captured.
- If the camera cables are artificially extended or cut, the quality of the product may be affected.

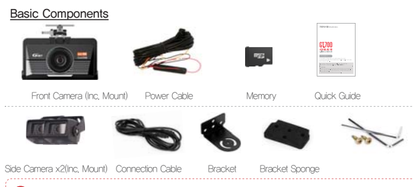
Product specification

① Front camera lens
② Security LED
③ Front Camera Mount
④ Angle adjustment screw of mount
⑤ 4.5 Inch LCD
⑥ GPS LED
⑦ REC LED
⑧ Power connection terminal
⑨ AV-OUT
⑩ GPS connection terminal
⑪ Side, Rear camera, External Storage Connection Cable
⑫ SD Memory Card Port
⑬ Power Button
⑭ USB port for Wifi dongle

⑮ Side, Rear Camera Lens
⑯ IR LED
⑰ Side, Rear Camera Mount
⑱ Connection Cable

Product installing

Basic Components



Please make sure that all the above components are included.
(External GPS, cigar jack, and Wi-Fi dongle are sold separately)

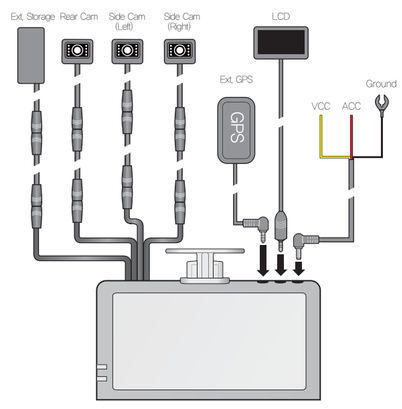
Basic Components

※The image of the component may differ from the real.
※SD MEMORY is recommended for the dedicated SD card of GNET.
※The contents of this product are subject to change without prior notice for improvement of product performance.

Insert a memory card

Be sure to read the precautions before using Micro SD memory.

Wiring Diagram



Make sure to connect or disconnect the external camera only when the power is turned off

Use only cables approved by our company.

If the camera cable is bent as shown in the picture on the right, data transmission may be disturbed, resulting in an error in recording. Be careful.

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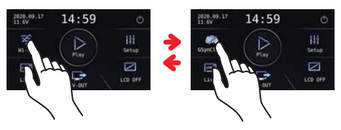
Product usage description

How to operate the product-Main screen

When the product is turned on, the screen shown on the left is displayed on the LCD with a message saying "Start recording".

① Playback	Play recorded video
② Screen off	LCD screen turns off when you touch it. After the screen is turned off, just touch anywhere to turn it on again.
③ TV-OUT	When touched, a real-time video appears on the connected monitor screen and LCD screen of the dash cam turns off. Touch anywhere after the LCD screen turns off to turn it on again.
④ Wi-Fi	When you tap Wi-Fi button, you will hear a voice "standby mode for registration". If there is no connection for 2 minutes, it is automatically disconnected, and when you touch the button again, a guide voice will be heard. ▶When the device is not equipped with a Wi-Fi module ▶When the device is equipped with a Wi-Fi module

When switching to CLOUD or Wi-Fi mode



– Press and hold the Wi-Fi button for 5 seconds to change to CLOUD mode (The dash cam will be rebooted)
– To change to Wi-Fi mode, press and hold the CLOUD button for 5 seconds(The dash cam will be rebooted)

⑤ Settings	Various settings can be changed.
⑥ Real-time video	You can check the current video
⑦ Power off	The system shuts down. ※ If the dash cam is shut down by pressing the power button,you must press the power button again to restart the dash cam.

ADAS Feature Description

Lane detection point, front car departure and collision alarm icons can be viewed only when the current status of LCD is a real-time image.

※ To increase ADAS recognition rate, it is recommended to install a dash cam in the middle.
※ At night, ADAS recognition rates may be reduced.

① Lane departure detection:
a function that notifies when you are out of lane.
As shown in the picture, if the lane is detected while driving, the green dot is displayed.
If the lane deviates, the red dot is displayed as shown in the picture above and a buzzer sounds.
However, the lane departure detection alert only operates when the speed is higher than the set-speed.

② Front car departure:
A function that informs the driver that the front vehicle has departed as shown in the picture.
During the stop, when the distance from the front car is more than 2 meters, it displays the departure icon on the LCD screen along with the alert tone.

③ Collision alarm:
A function that notifies you when there is a risk of collision with the car ahead.
When the distance from the front car is short and the vehicle speed is fast,
When the distance from the front car suddenly decreases in a short time,
It will display a Collision Alarm icon with a warning sound.

Smartphone connection

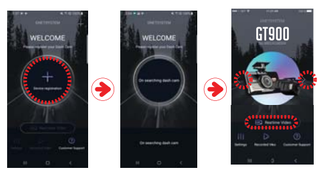
How to connect a smartphone – Android

1 After installing Gnet app, run it on the smartphone screen

2 Touch Wi-Fi button of the dash cam. You can hear a voice message "Registration standby mode".

The registration standby mode keeps for 2 minutes. When the time elapsed, the voice guidance "Registration standby mode is canceled" will come out.

3 Touch "Device registration" button in the center of the mobile APP screen.



When Wi-Fi search is complete, select any dash cam that you want by using the left and right arrows and then click the button "Connecting Device".

4

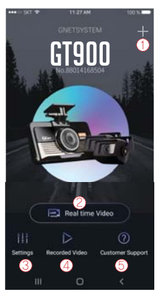
The registration of the dash cam is completed. Enter the information and touch 'Save' button

The information input is for the purpose of classification when using many dash cams.

If the connection fails

Please go to "Customer Support" section at the bottom of the mobile app screen for help with connection.
If you still have difficulty connecting, you can contact us via the Customer Center.

APP Main Screen Description



① This function allows you to connect other dash cams or delete the registered devices.
※ Supported only on Android mobile

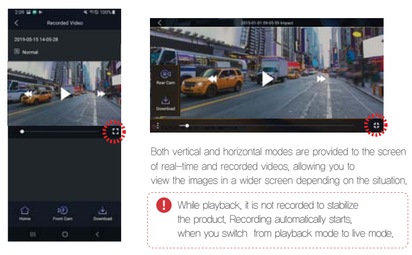
② Real-Time Video
You can watch a real-time video.

③ Settings
You can easily change settings via your smartphone.
After changing the settings, press "Save" button to reboot the product (dash cam)

④ Recorded Video
You can see a recorded video of the dash cam.
The video that you need can be saved to the mobile device via download.

⑤ Customer Support
You can get help with connection via customer support on app or you can get help by calling our customer support center.

App screen description for a recorded video



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

While playback, it is not recorded to stabilize the product. Recording automatically starts, when you switch from playback mode to live mode.

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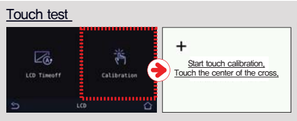
Touch test

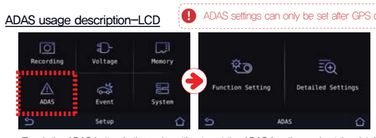


If the LCD touch does not work well, you can correct the touch. Follow the on-screen instructions and touch the center of the cross-hairs in order.

※ On the main screen, press the power button three times for more than 0.5 seconds to move on to the touch calibration screen.

ADAS usage description-LCD

ADAS settings can only be set after GPS connection.



Touch the ADAS button in the main setting to set the ADAS function and set the details.

① Function setting-Through the ADAS function ON/OFF button, all functions can be turned ON/OFF, and when the ADAS function is ON, lane departure detection, front vehicle departure, and collision warning can be turned ON/OFF respectively.

② Detailed setting-In ADAS detailed setting, you can set lane departure detection sensitivity and collision detection sensitivity as low, medium and high respectively. You can set lane departure detection speed to 50 km/h, 60 km/h and 70 km/h to set the alarm to sound when it exceeds that speed.

Player menu name

① Upper button
- Save
- Folder Open
- Print
- Setting

② Google Map
When GPS and internet are connected, it will work normally.

③ Playlists and Information Display

④ GPS reception window
It can be used only when an external GPS is connected.

⑤ Video control popup
- Thumbnail
- Draw a lane
- View a video
- Split View
- PIP View
- Toggle (change) color,black and white mode

⑥ G-sensor (acceleration) graph

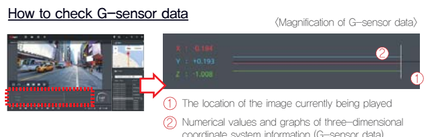
⑦ Speedometer
It can be used only when an external GPS is connected

⑧ Play a recorded video
- Reverse and forward play
- Pause
- Repeat event video
- Previous, Next Event
- Play one frame

⑨ Adjust playback speed ⑩ Sound control

How to check G-sensor data

〈Magnification of G-sensor data〉



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

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

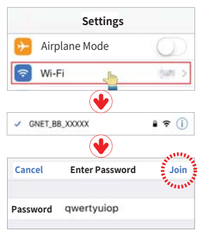
How to connect your smartphone – iOS

1 After installing Gnet app, run it on the smartphone screen

2 Touch Wi-Fi button of the dash cam. You can hear a voice message "Registration standby mode"

The registration standby mode keeps for 2 minutes. When the time elapsed, the voice guidance "Registration standby mode is canceled" will come out.

3 Turn on Wi-Fi in the Settings menu on your smartphone.



4 In the Wi-Fi list, select a name that starts with GNET_BB_.

5 Enter [qwertyuiop] in the password field and click "Connecting" button.

6 The connection to the dash cam is complete and Gnet app is available.

If the connection fails

Please go to "Customer Support" section at the bottom of the mobile app screen for help with connection.

Warranty Card

Product	GNET Dash cam		Model	GT900
Serial Number			Purchasing date	
Consumer	Name		Tel	
	Address			

※ GNET provides a 1-year warranty and GNET provides a 3-month guarantee for SD card.

GNET GLOBAL NETWORK
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-양면인쇄(4도) / 아트지 80g *하단 접는 예시 참고