



GUARDIANS™
ON THE ROAD

G-ON4 with CLOUD™ G-NET SYSTEM

Protect your car from everything
2CH 4K UHD/ FHD video recorder



Specifications

Resolution / Frame per seconds	Front : 2160P(3840 x 2160P), Max 30FPS, 140 ° Rear : 1080P(1920 x 1080P), Max 30FPS, 140 °
Image Sensor	Front : SONY IMX515 STARVIS 8MP CMOS Sensor HDR Rear : SONY IMX323 EXMOR 2MP CMOS Sensor
Camera Connection	Front : FPCB built-in Camera(MIPI I,F) Rear : TVI Type 3-wire Cable (6M)
ADAS	Lane Departure Warning System(LDWS), Forward Collision Warning System(FCWS), Front Vehicle Start Alarm(FVSA)
Night Vision	ULTRA X VISION supported
Time-lapse	Recorded in 1FPS on parking mode and 10FPS 2 seconds ahead of a event.
Wi-Fi	Dongle Type : Playback and settings on a smartphone automatic firmware upgrade
Voltage settings	Low voltage cut-off and boot voltage settings
Audio	Speaker (Statement alarm and 34 voice guidance), built-in Mic
Video / Audio Compression	H.265 (40% less data size than H.264) / ADPCM
G-sensor	Triaxial acceleration sensor (recording by an external impact)
GPS	External GPS antenna (synchronized with Google Maps to determine location and speed)
Storage	Micro SD 8GB - 512GB (Recommended type - MLC, Class10), SD card data restoration
Recording	Normal mode, Event (impact) mode, Parking mode (motion detection), Voice record.
Power	DC 12V ~ 24V, about 6.8W based on 12V, Support OBD II power supply
Temperature and Humidity	Operating temperature : -20 ~ 60 °C, On parking mode: -30 °C ~ 80 °C, Humidity : 10~95%
PC Viewer	Win7, Win8, Win10(32Bit~64Bit) / MAC OS X supported
Cloud	withCLOUD®-Web supported



SONY SENSOR

the latest 4K UHD image sensor

SONY STARVIS

Conventional

CMOS active pixel type dots	High dynamic range (HDR) function - Multiple exposure HDR - Digital overlap HDR
Built-in timing adjustment circuit, H/V driver and serial communication circuit	
Input frequency 24 MHz / 27 MHz / 37.125 MHz / 72 MHz / 74.25 MHz	Synchronizing sensors function
Number of recommended recording pixels 3840(H) x 2160(V) approx. 8.29 M pixels	Variable-speed shutter function (resolution 1H units)
Readout mode - All-pixel scan mode - Horizontal / Vertical 2 / 2-line binning mode - Window cropping mode - Horizontal / Vertical direction-normal / inverted readout mode	10-bit / 12-bit A/D converter
Readout rate - Maximum frame rate in All-pixel scan mode : 12 bit : 52.2 frame/s, 10 bit : 61.6 frame/s	CDS / PGA function - 0 dB to 30 dB: Analog Gain 30 dB (step pitch 0.3 dB) - 30.3 dB to 72 dB : Analog Gain 30 dB + Digital Gain 0.3 to 42 dB (step pitch 0.3 dB)
	Supports I/O - CSI-2 serial data output (2 Lane / 4 Lane), RAW10 / RAW12 output

SONY SENSOR

Starvis™ HDR



UHD 4K 3840X2160

QHD 2K 2560X1440

Full HD 1920X1080



How does “withCLOUD™” work?



“withCLOUD™” for fleet management system made by Gnet System technology.
Unlimited storage capacity that overcomes the limitation of dash cam storage memory.



Live Streaming



Tracking



Driving Analysis



Dash Cam + Hotspot



withCLOUD

withCLOUD



withCLOUD App Web

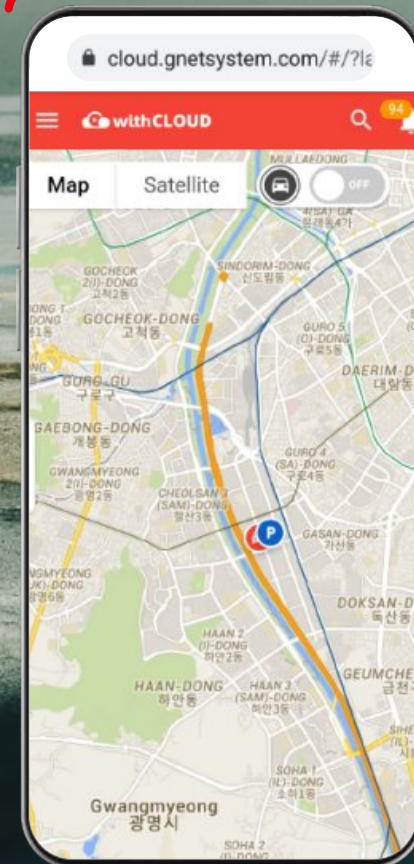
withCLOUD

Event Alarm



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In the event of a crash or an impact, the notice appears on the screen of the cloud website or a push alarm of the App. Anyone who can access the account can see the videos or the images. In the case of an emergency, this feature can help to rescue the endured or to capture a hit and run.



withCLOUD

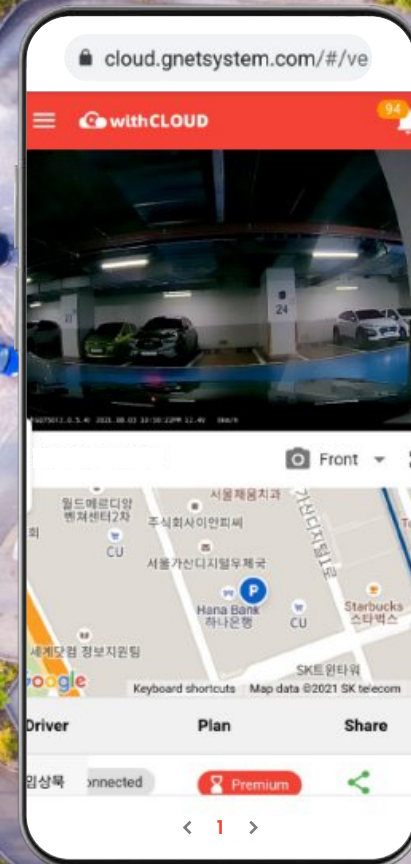
Remote Live View



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You can watch the real-time remote view at anywhere 3G/4G signal connected.

*The withCLOUD requires your smartphone or mobile hotspot device's internet connection to be paired with the Dash Cam while driving to feed the live video. Also you can use portable LTE module that allows to use in your country.



withCLOUD

Real-Time GPS Tracking



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Tracking a vehicle location will help drivers to know how far they drive a day and it helps a fleet management business to manage their vehicles. The location of the event appears on the map. If you click the location, you can watch the event video without accessing the SD card of the Dash Cam. If you are running fleet management, you can know what happens to your vehicles immediately.



withCLOUD

GEO-Fencing



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Geo-Fencing allows fleet managers to be updated on vehicles' comings and goings. G-ON4 Dash Cam will send a push alarm through the withCLOUD if a vehicle enters or exits a pre-selected zone. The radius of the zone can be set easily by the configuration of the App or the Web.





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Available on the
App Store



GET IT ON
Google Play

Use your G-ON4 THE ROAD Dash Cam with full function

- With the App, connect your dash cam in Wi-Fi access settings.
- It's easy to check recorded videos and images.
- Customize settings for your best convenience.
- Set up the cloud information and use with CLOUD™.
- The App is free to download and use.
- It is compatible with all Wi-Fi dongle applied G-ON4 Dash Cam.



Download
Cloud User Manual

[Firmware Upgrade]

Access to the firmware configuration in App,
the latest firmware is automatically downloaded and installed

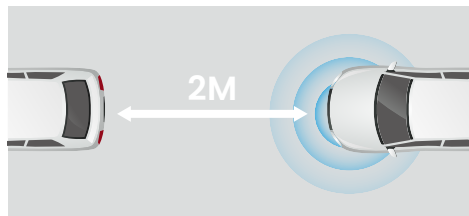


ADAS

Advanced Driver Assistance System

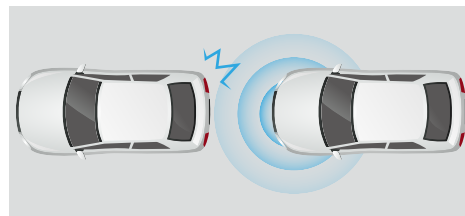


FVSA



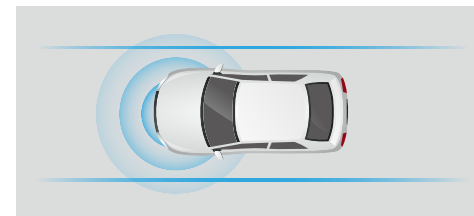
When the distance to the vehicle in front of your car is more than 2 meters, dash cam warns you with a beep sound.

FCWS



When the distance between the vehicle in front is too close and the vehicle speed is high, dash cam warns you with a beep sound.

LDWS



If you leave the lane while driving, dash cam warns you with a beep sound.

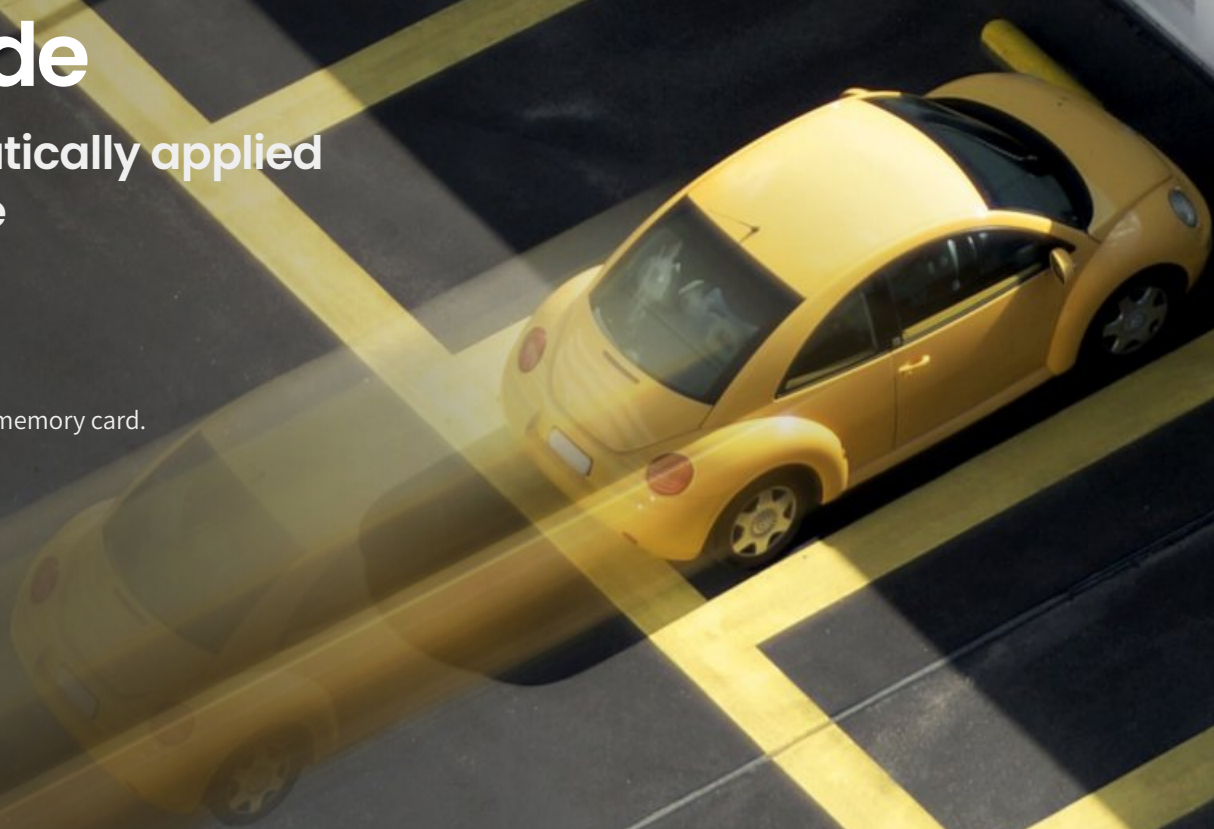


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Time Lapse mode

**Time-lapse function automatically applied
when entering parking mode**

- It records one frame per second in parking mode.
- It reduces the file sizes of recording.
- This mode avoids unnecessary recording space in the SD memory card.
- It also helps to lengthen the lifespan of the memory card.

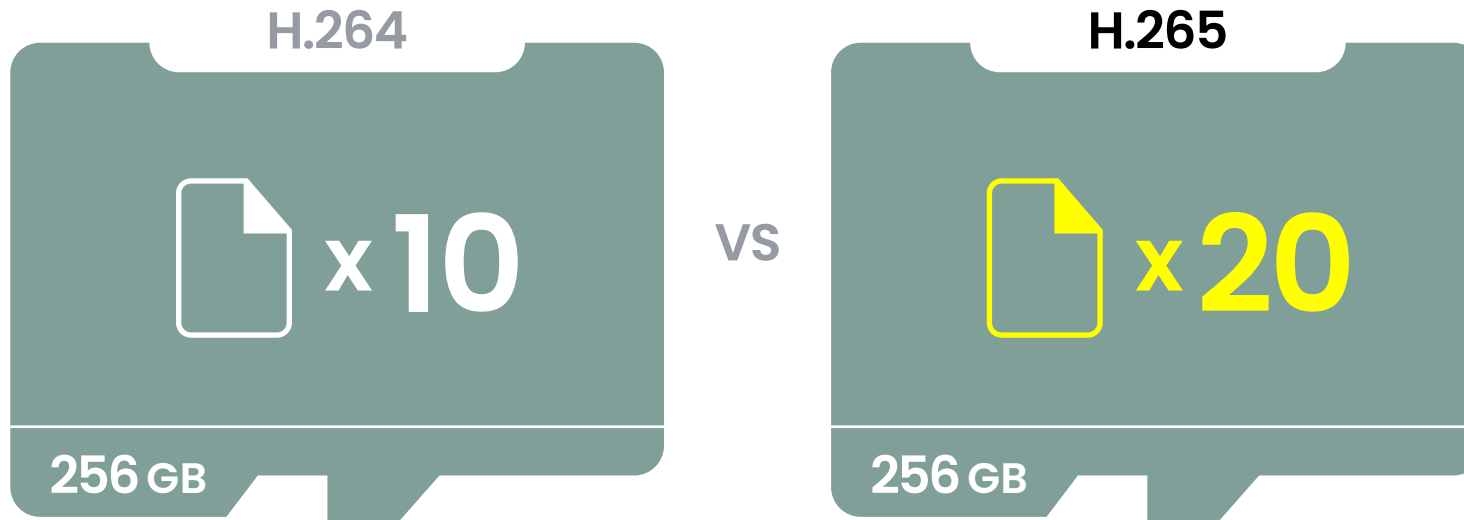


VIDEO CODEC

High Efficiency Video Coding H.265



H.265 has up to 50% better data compression than H.264.
It provides more recording space. You can use a 256GB SD card as 512GB.



What is HEVC?

HEVC is the next-generation compression standard that offers several enhancements over AVC.

HEVC compression is 50% more efficient than AVC, which translates into maintaining the same video quality at half the bitrate or double the video quality at the same bitrate.

REAL HDR

High Dynamic Range



HDR OFF

- It can be out of focus if the light and the dark differ in contrast
- The focus of the camera can be concentrated on the bright spot
- Too many light sources can blur the image



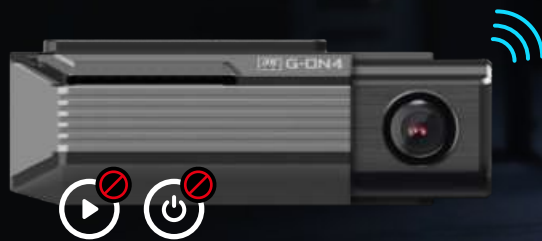
HDR ON

- Image algorithms synthesize both the bright and the dark spots
- It produces final images with appropriate intensity
- It is possible to correct the blur of images



LBP

Low Battery Protector



LBP FUNCTION AUTO SAFE GUARD (LBP ON / OFF)

The dash cam itself can monitor your vehicle's battery voltage level.

You can change the feature from the dedicated GNET PC VIEWER or GNET APP.

If the voltage level is under the value you set, it will automatically be turned off and leave your car battery has some level of current.



SAFEGUARD

It is an intelligent SAFEGUARD function that automatically shuts down recording when the voltage falls below a specified voltage and cuts off the power to protect the battery of the vehicle.

JDR File System

Low Battery Protector

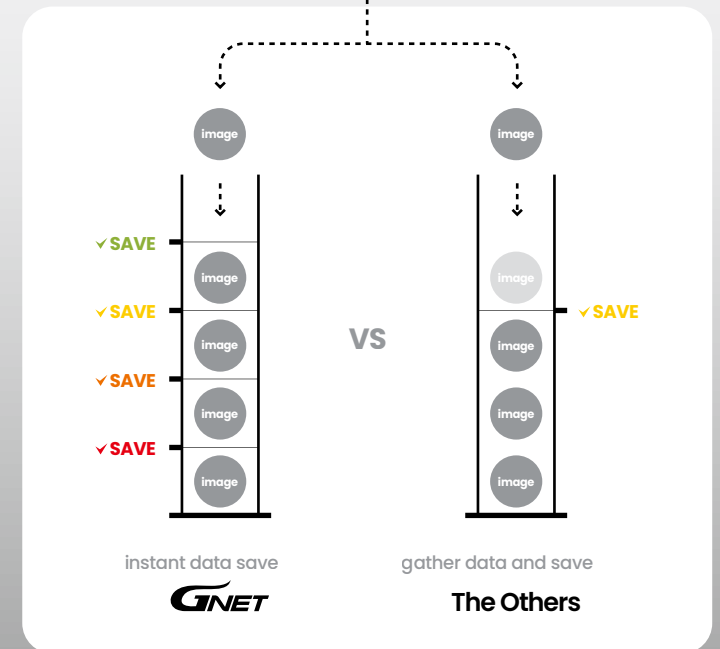
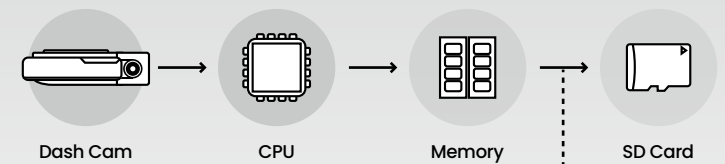


JDR FILE SYSTEM

0% data loss rate

Longer life span of SD card

Data recovery



ACCESSORIES

Basic Components



SD Card

Gnet System SD memory card
High performance, stable recording, Long lifespan



Wi-Fi Dongle

Realteck 8188 EUS chipset
11n 150Mbps, 11g 54Mbps, 11b 11Mbps, 2.4~2.4835 Ghz



External GPS

Transmitting speed and location data



Power Cable

Able to use the dash cam 24hours with the cable,
parking mode available



Connecting Cable

Connecting to rear cam,
5-meter long, cable disconnection protecting



Tamper Proof

Protect SD Memory card and power cable



OBD Cable OPTION

Able to provide the same ease of use and flexibility



Cigar Jack OPTION

12~24V 5-meter long power cable, AV



User Manual

Detailed information of the product and warranty form

- The images in the document may differ from the product.
- To improve the performance of the product, the contents of this document are subject to change without prior notice.
- We highly recommend using a genuine memory card from Gnet System.



GUARDIANS™
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We provide the best experience with our products.
Please visit our website

www.gnetsystem.com | www.g-on-the-road.com | cloud.gnetsystem.com

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