

SAFETY INSTRUCTIONS

Precautions for Installation

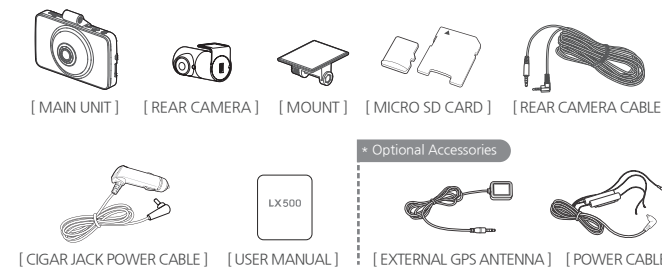
- Do not use damaged, modified, or unauthorized parts and accessories.
- Use the device within the rated voltage range.
- Make sure the power cable is connected to the cigarette lighter socket or a proper terminal in the fuse box.
- Ensure the power cable plug is inserted to the right power inlet on the device tightly.
- Place the external GPS about 20cm (8 inch) or more away from the device.
- Do not install the device at the location where it obstructs the driver's view.

Precautions for use

- Do not operate the device while driving.
- Avoid placing the device near from flammable and explosive liquids or gases. This may cause explosion or fire.
- Avoid putting metal, flammable or wet objects into the memory card slot or the connectors on the device. This may cause electric shock or fire.
- Avoid using the device under extreme conditions such as direct sunlight, high temperature and/or high humidity.
- Do not operate the device with wet hands. It can cause electric shock.
- Do not leave the device or its accessories within reach of children.
- Do not cover the device with a cloth or a blanket while in use. Continuous heating may cause fire or device failure.

i For user's safety and to avoid property damages, read through this manual and follow the instructions correctly. Finedigital is NOT responsible for any problems and/or damages that may occur from the failure to observe the instructions.

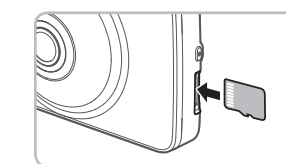
IN THE PACKAGE



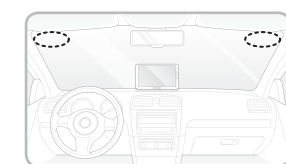
* To improve the performance of the device, the contents of this manual are subject to change without prior notice.

Installing Micro SD Card and External GPS Antenna

Insert the MicroSD card into the slot and push it until locks into the place.



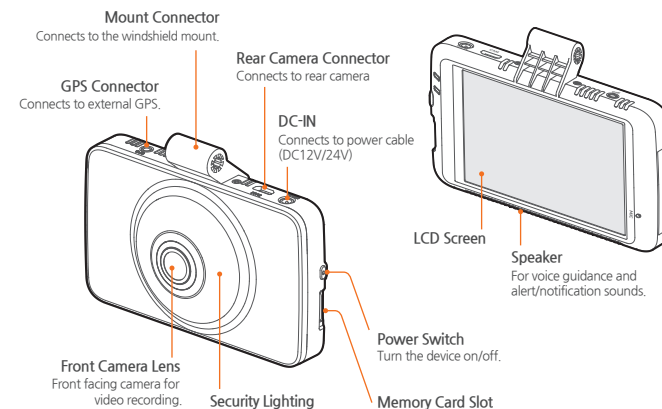
Install the External GPS Antenna on the upper left or right corner of the windshield.



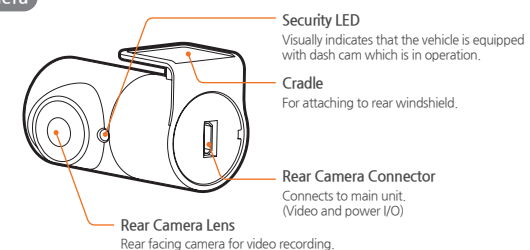
- It is strongly recommended that FineVu memory cards are used to minimize memory card error.
- Do not apply excessive force on the MicroSD card or attempt to insert it in the wrong direction as it may cause damage to the MicroSD card and the card slot.
- To prevent loss of important data, frequently copy recorded videos from MicroSD card to another storage device such as personal computer for back up.

PRODUCT OVERVIEW

Main unit and front camera

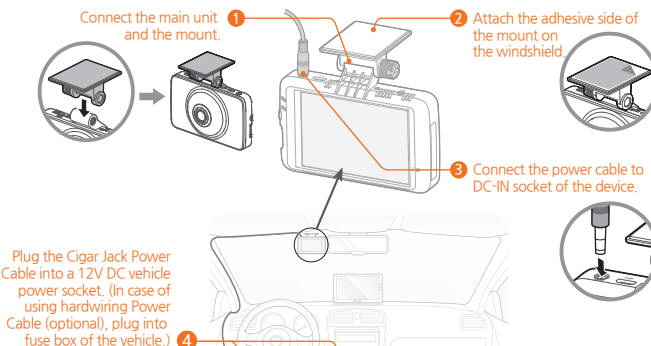


Rear camera

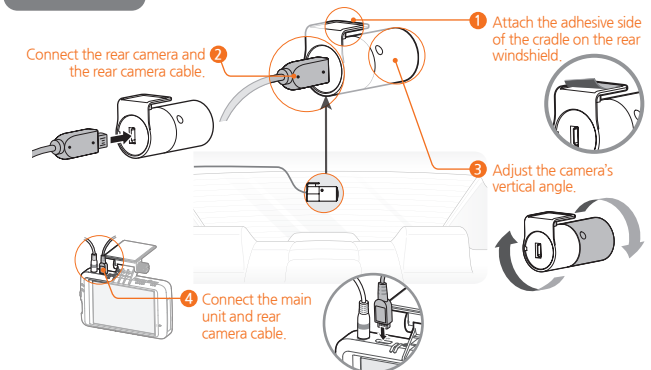


INSTALLATION

Front Camera



Rear Camera



KEY FEATURES

FULL HD High resolution video recording
Front Full HD (1920 x 1080 @30fps) and Rear HD (1280 x 720 @30fps) cameras record outstanding video clarity under any circumstance.

ADAS PLUS (Advanced Driver Assistance Systems)
The Front Vehicle Motion Alert (FVMA), Forward Collision Warning System (FCWS) and Lane Departure Warning System (LDWS) ensure driver safety with warnings of voice and alert on LCD screen.

Auto Night Vision
Designed to activate itself automatically to tune and enhance the video quality according to the brightness of light in any environment. Adjusts the light and records clearly even in low light, such as dark nights, underground parking lots, tunnels as well as in bright day lights.

ADAS PLUS (Advanced Driver Assistance Systems)
The Lane Departure Warning System (LDWS) and Front Vehicle Motion Alert (FVMA) ensure driver safety with warnings of voice and alert on LCD screen.

My Folder
Save important and necessary files to My Folder to prevent from automatically being deleted.

Secret Mode
Protect your important video proof with password, only you can access to FineVu by secret mode.

Format Free Max
The most advanced format free technology of FineVu eliminates the need for periodical manual formatting of micro SD memory card, extending memory card life and improving reliability.

Event Notice
When you get in the car, FineVu notices event history that is detected during parking surveillance mode, making it easy to check the number of impact while parking, and if your car has been safe overnight and what happened.

WARRANTY

Limited Warranty

This device is guaranteed against manufacturing defects for one(1) year (six(6) months for battery and accessories) from the original date of purchase. Finedigital's sole obligation in the event of such defects during this period is to repair or replace the defective part or device with a comparable part or device at Finedigital's sole discretion. Except for such replacement, the sale, or other handling of this device is without warranty, condition or other liability even though the defect or loss is caused by negligence or other fault. Damage resulting from use, accident, or normal wear and tear is not covered by this or any warranty. Finedigital assumes no liability for any accident, injury, death, loss or other claim related to or resulting from the use of this device. In no event shall Finedigital be liable for incidental or consequential damages relating to or resulting from the use of this device or any of its parts. Finedigital is not liable for the costs of installing and removing the device and its accessories regardless of the warranty period.

FINE
DIGITAL

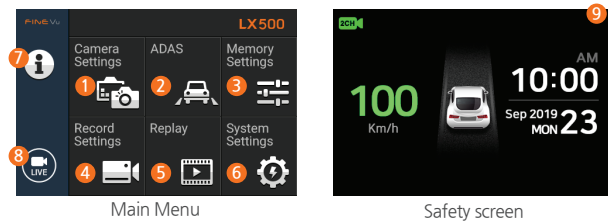
www.FineVu.com

SPECIFICATIONS

ITEM	SPEC.	REMARKS
Model Name	FineVu LX500	
Dimension / Weight	Front : 104 x 64 x 29mm / 104g Rear : 52 x 24 x 33mm / 23g	Excluding cables and cradle.
Memory Capacity	Micro SD Card (16G/32G)	MLC, Class10 or above recommended.
Recording Mode	Driving recording mode	1 min. interval recording
	Event (impact) recording mode	30 sec. recording (5 sec. before / 25 sec. after impact)
	Emergency recording mode	30 sec. recording (5 sec. before / 25 sec. after impact)
	Parking (impact & motion detection) recording	30 sec. recording (5 sec. before / 25 sec. after impact)
Image Sensor	Front : 2M pixels CMOS Image Sensor Rear : 1M pixels CMOS Image Sensor	
Viewing Angle	Front : 139° / Rear : 126°	
Resolution	Front : Full HD 1920x1080@30fps Rear : HD 1280x720@30fps	
Encoding	Video : H.264 / Audio : PCM	AVI (2Video-1Audio)
Display	3.5" TFT LCD (480x320) with touch	
Mic.	Built-in	8 ohm
Speaker	Built-in	
Acceleration Sensor	3-Axis Acceleration G-Sensor	
Input Voltage	DC 12V - 24V	
Backup Battery	Built-in Super Capacitor	
Power Consumption	2CH 2.7W / 1CH 1.8W	
Temperature	Operation Temperature : -10°C ~ 60°C (14°F ~ 140°F) Storage Temperature : -20°C ~ 70°C (-4°F ~ 158°F)	
Interface	Power Port(3.5 Ø), External GPS Port(2.5 Ø), Rear Camera Port (Micro USB 5p)	

SCREEN LAYOUT

Live view and Menu screens



1 Camera settings	Night Vision (Normal/Auto Night Vision), Rear video brightness (3 levels), Rear camera connection notice.
2 ADAS Plus	Lane Departure Warning System, Forward Collision Warning System, Front Vehicle Motion Alert, ADAS speaker volume settings.
3 Memory settings	Memory partition (Driving Priority/Event Priority/Parking Priority/Driving Only), Memory format.
4 Recording settings	Sensitivity (Driving/Parking/Motion), Low voltage value, Cut-off time settings.
5 Replay	Playback the recorded video of each recording mode.
6 System settings	LCD display, LCD brightness, Menu display, security LED, time, secret mode settings.
7 Setting information	Display the setting values that has changed by user.
8 Live view	Display live view.
9 Safety screen	Display ADAS, speed, date and time information.

- The external GPS (optional accessory) is required to enable the ADAS features.
- Do not operate the device while driving.
- When using menu settings, the recording will be disabled.
- When reset the device settings to factory default settings on "Setting information" menu, if memory setting is changed, entire Micro SD card will be formatted.
- Front Vehicle Motion Alert will be notified in 3 seconds after the departure of front vehicle.

ADAS Plus

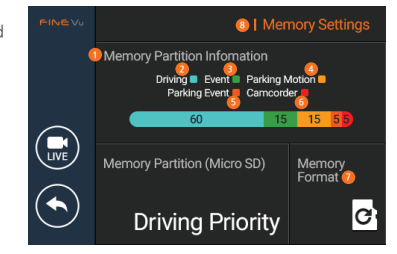


- ADAS Plus may be affected by weather conditions, satellite signal, and surrounding lights.
- Front Vehicle Motion Alert will be notified in 3 seconds after the departure of front vehicle.
- The external GPS (optional accessory) is required to enable the ADAS Plus features.

Memory Settings

Sets how storage space on the memory card will be allocated for each recording mode.

- Memory partition information
- Driving
- Event
- Parking motion
- Parking event
- Camcorder
- Memory format
- Memory settings



Item	Driving	Event	Parking Motion	Parking Event	Camcorder	Total
Driving Priority	60	15	15	5	5	100
Event Priority	40	20	25	10	5	100
Parking Priority	35	10	45	5	5	100
Driving Only	80	15	0	0	5	100

- Entire Micro SD card will be formatted when the memory partition settings is changed.
- It is recommended that you back up data before changing memory partition settings.
- Memory format type is FAT32, if the format type is different, the device will start memory format automatically.
- If select "Driving Priority", the device will record on drive mode only, and parking recording will be disabled. When the engine is turned off, the device will be turned off also.

Driving mode

Driving recording	Driving recording starts automatically after booting of the device. A video is recorded in 1-minute segments and stored in "Normal" folder of memory card.
Event (impact) recording	When an impact to the vehicle is detected during driving, a video is recorded for 30 seconds (5 seconds before the detection and 25 seconds after the detection), and stored in "Event" folder of memory card.
Emergency recording	When you tap the Emergency Recording button, a video will be recorded for 30 seconds (5 seconds before/25 seconds after pressing the button), and stored in "Camcorder" folder of memory card.

Parking mode

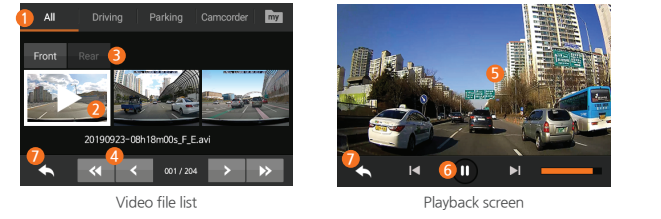
Switching to Parking Mode	When the device is connected to the vehicle via the hardwiring cable (optional), the operating mode is switched to parking mode in 5 seconds after the engine is turned off. (The operating mode is switched to driving mode when the engine is turned on.)
Parking mode (Impact detected)	When an impact is detected while parking, a video is recorded for 30 seconds (5 seconds before the detection and 25 seconds after the detection), and stored in "Parking" folder of memory card.
Parking mode (Motion detected)	When a moving objects is detected while parking, a video is recorded for 30 seconds (5 seconds before the detection and 25 seconds after the detection), and stored in "Motion" folder of memory card.

- Parking mode operates only when the hardwiring Power Cable (optional) is connected. The hardwiring Power Cable must be professionally installed to the vehicle by a trained mechanic.
- It is strongly recommended to use FineVu Power Cable only.
- Depending on the battery charging status of the vehicle, the duration of parking mode may differ. If you want to use parking mode for an extended period, check the battery level to prevent battery discharge.
- Make sure to connect the hardwiring cable to fuse box appropriately.
- The wrong connection of hardwiring cable and fuse box may cause the device and/or your car to be damaged.
- On parking mode, the video will be recorded only when impact and/or motion are detected.
- Do not modify or cut the power cable.

Recording Modes	Driving	Driving Event	Parking Motion	Parking Event	Camcorder	My Folder
Folder Name	normal	event	parking	motion	camcorder	my folder

Playing video

On live view screen, tap [Menu--Replay]. The recorded videos categorized by the recording mode will be displayed. Select a recording mode, and tap the video you want to play.



1 All	The video files are categorized by the recording mode - All, Driving(All Videos/Driving/Event), Parking(All Videos/Parking Event/Parking Motion), Camcorder, My folder(View folder/Save video).
2 Video list	Display the video from the latest file.
3 Switch front/rear view	Front View : Play video of front camera / Rear View : Play video of rear camera
4 Video list pages	<ul style="list-style-type: none"> Move backward 3 pages Move backward 1 page Move forward 3 pages Move forward 1 page
5 Playback screen	Playback the selected video file. (Tap the screen to hide or re-display the function buttons.)
6 Play button	<ul style="list-style-type: none"> Play the previous/next file. Plays the recorded file/ temporarily pauses playback
7 Previous menu	Move to the previous menu screen.

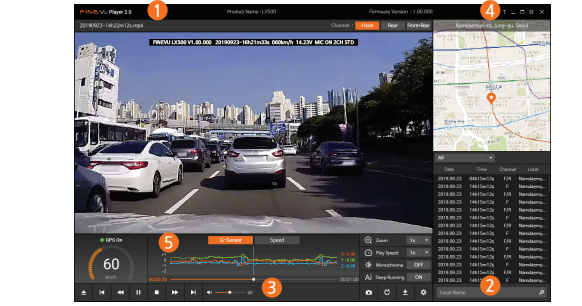
- Stop your vehicle in a safe location before operating the device.
- While you playback the video files, the device will stop recording.
- Play videos on the playback menu of the device or a computer only. If you play videos by inserting the memory card in devices such as a smartphone or a tablet PC, the video files may be lost.
- During playback, vehicle license numbers may not be identified due to the relative speed of a vehicle or light conditions.
- A file name is composed of the recording start date and time, and the recording mode.
- If the memory card storage gets shortened while recording, the previously recorded videos are deleted storage sufficiency. (To prevent data loss, back up important videos on additional storage devices.)

FineVu PC PLAYER

FineVu player is a software that you can view and manage the recorded videos on your PC. You can download the latest PC viewer software from the FineVu website.

Main screen

After the installation is complete, run the FineVu player. The following provides brief information about the PC player's screen layout.



- Main screen displays the current video playback.
- Displays the playlist.
- Play or control a video.
- Displays the GPS information at the time of recording. (* This screen will be disabled if there is no GPS information.)
- Indicates the G-Sensor value at the time of recording.

System requirements

	Minimum	Recommended
OS	Windows 7 or later	Windows 10, 64bit OS
HDD	70MB or more	150MB
CPU	Intel Dual Core 3.4GHz or higher (32bit) Intel Dual Core 2.8GHz or higher (64bit)	Intel Dual Core 3.4GHz
VGA/RAM	256MB or more / 2GB or more	1GB / 4GB
DirectX	DirectX 11 or higher	DirectX 12
Monitor	1280 x 1024 or higher	1920 x 1080

Viewing recorded video on PC

- Remove the Micro SD card from the device, and insert it into Micro SD card reader. Connect the Micro SD card reader to the PC.
- When connected to the PC, USB drive or new disk drive will be created.
- Click the folder and select video file you want to play.
- FineVu player or other media players can be used to watch videos recorded with the device. (FineVu player is required to check the GPS and G-Sensor information of the recorded video.)

Upgrading Firmware

- Download the latest firmware at FineVu website. (www.finevu.com)
- Disconnect power to the device and remove the Micro SD card. Insert it into Micro SD card reader and connect the Micro SD card reader to the PC.
- When connected to the PC, USB drive or new disk drive will be created. (It's recommended to format the Micro SD card before you upgrade the firmware.)
- Unzip the downloaded file, and copy the firmware upgrade file to the root folder of the memory card.
- While the power is disconnected from the device, insert the memory card into the memory card slot on the device. Connect the power to the device and start the engine to turn on the device.
- The firmware upgrade starts automatically.
- The system will restart once the firmware update is completed.

Tips for using Micro SD card

- A firmware upgrade is provided to enhance the device's features, operating or to increase stability. For optimal operation of the device, ensure that you keep the firmware up to date.
- To prevent loss of important data, frequently copy recorded videos from Micro SD card.
- The Micro SD card should be tested for errors on a regular basis and as the memory card is a consumable item, it should be replaced periodically.
 - The warranty period of memory card is 6 months.
 - The memory card should be formatted every 2 weeks to maximize the lifetime of the memory card

- Do not disconnect the power or remove the memory card from the device during the firmware update. Doing so may cause serious damage to the device, or to the data stored in the memory card.
- The firmware must be upgraded on Micro SD card.
- The firmware files will be deleted automatically after upgrade is completed.
- It's recommended that backup important video files and format the Micro SD card before starting firmware update.
- Even though you formatted the Micro SD card on your PC, please format the Micro SD card on the device again for optimal operation of the device.

LX500