







- 
12 MEGA PIXEL STILL SHOT
- 
BUILT-IN MICROPHONE
- 
2.2 INCH SCREEN
- 
AUTO BUMP RECORD
- 
TIME STAMP
- 
WIDE VIEW ANGLE
- 
MULTIPLE LANGUAGES

Please read carefully before use

It is recommended to use a **Class 4** (4Mb/s write speed) Micro **SDHC** card for optimal performance. Some “Extreme Speed” class 10 UHS 2 cards may not function correctly

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IMPORTANT SAFETY INSTRUCTIONS AND PRECAUTIONS

- Read all instructions carefully before use.
- Retain manuals for future reference.
- Use this product only in the manner described.
- Only use a water-dampened soft-cloth to clean the surface of this product.
- The following will damage this product: any liquid such as water or moisture, extreme heat; cold; humidity, dusty or sandy environments.
- Only place this device on stable surfaces and ensure that any attached cables are secure and will not cause the device to fall.
- If charging is required, it is recommended to thoroughly charge electronic devices for the first time overnight. Subsequent charges can be as needed. During charging, or extended use, the product may become warm.
- There are no user serviceable parts in this product.
- Un-authorized attempts to dismantle or repair this product will void product warranty
- Using this device near other electronic devices may cause interference.

PRODUCT CONNECTIONS AND USE



1	Lens	6	Mode / menu key
2	TF card slot	7	Up key
3	Reset button	8	Down key
4	Horn Hole	9	USB / power interface
5	OK / switch key	10	Bracket hole

WHATS IN THE BOX



FEATURES AND OPERATION

Note: A memory card is required for operation

The NAVC-L08 requires a Micro SD card (not included) to record video / image content. (see page 8 for a table showing SD card capacity and the relevant amount of video / image content able to be stored). For optimal performance, we recommend using a Class 4 Micro SD card (the most common type) to ensure fast data transfer rates.

Power on/off function (auto on/off)

To turn on the NAVC-L08, press the power button on the top of the device. To turn off, press the same power button. When connected to the 12v DC socket (cigarette socket) of your car, the NAVC-L08 will turn on and off automatically when the car's ignition is turned on or off. If the NAVC-L08 does not turn off immediately it means the device is completing the file save process before turning off (usually only a few seconds).

If the 12v socket is "constant on" (in some European vehicles), then the NAVC-L08 will need to be turned on/off manually by the power button.

Auto Record when turned on

When the NAVC-L08 is turned on (either by pressing the power button or auto on) the device will automatically begin recording. To stop recording, press the OK button or disconnect the power cable.

Installation on the car windscreen

The NAVC-L08 works best when mounted centrally and high up on the windscreen (typically behind or close to the rear vision mirror). Use the supplied windscreen suction mount to affix the NAVC-L08 to the windscreen and then adjust the mount until you can see a clear view of the road ahead on the LCD.

Recording

Turn on the NAVC-L08. Recording should start automatically. If not press the “OK” button. When recording, the blue indicator LED will begin to flash. The recorded file is saved onto the Micro SDHC Card. Stop recording by either pressing the **OK** button or turning the car ignition off (stopping power to the device)



In the event of an incident / accident – STOP the Recording.

- Due to the “cycle recording” nature of this technology, older recorded files will be overwritten (depending on the chosen resolution settings and the memory capacity of the Micro SD card). For example a 2GB SD card at HD resolution will only offer you 20 minutes of record time before the files (2 or 5 or 15min sizes) start to get overwritten
- Should you wish to KEEP the video footage of an incident from not being overwritten, **stop the recording** soon after an incident has occurred (Either press “OK” or disconnect the power or remove the Micro SD card).
- Alternately use a larger capacity SD card or lower the recording resolution (eg; a 32GB SD card at VGA resolution will offer you 640 minutes of record time) or otherwise use a second Micro SD card as a backup.

Changing between modes

Press the MENU button to change between modes. Each mode has a unique icon at the top left of the screen.

MODE SETTINGS

To enter the Video SETTING Menu, press the MENU button for 5 seconds. To enter the Setup Menu, Press Menu button again

Use the UP and DOWN arrows to navigate each option, the OK button to enter and confirm and the MENU button to toggle across to the SETUP menu.

Press the MENU button to exit the SETTINGS options and to return to the main screen.

Video Setting Menu

Resolution	Change the Resolution of recorded files (Note: Higher Resolution files take up more storage space)	1080FHD, 1080p, 720p, WVGA,VGA
Loop Recording	Select the length of each recorded file	Off, 1 Min, 2 Min, 3 Min, 5 Min, 10 Min
Exposure	Fill light according to different light source intensity in different environment.	+2.0~0
Motion Detection	When motion is detected NAVC-L08 will start record	On ,Off
Record Audio	Turn the microphone On or Off	On ,Off
Date Stamp	Choose if put date stamp on video	On ,Off
Gsensor	Detect a sudden change in direction	On ,Off, 2G, 4G, 8G

Set up Menu

Park Mode		On ,Off, 2G, 4G, 8G
Date & Time	Toggle through the fields to change Year, Month and day	Set Day, Month, Year and Time
Auto Power Off	if no buttons have been pressed and if no recording is taking place, the unit can be shut off automatically after set periods of time.	Off, 1, 3 minutes
Screen Saver	Turn screen off after a set period of time	Off, 1, 3, 5, 10minutes
Beep sound	Turn "beep" key sound On or Off when pressed	On, Off
Language	On screen display language	English
Frequency	Adjust image in case of flicker from power supplies or lighting	50 or 60Hz (50Hz typically for Australia)
Format	Format SD card (Note: Permanently erases all data on card. Note: the unit cannot be used until formatting is complete, which usually takes about 20 seconds depending on the size of your card.)	OK, Cancel
Default Setting	Perform a factory reset	OK, Cancel
Version	Display Firmware version	[Display firmware version]

USB Connection

Connect the NAVC-L08 to a Windows PC with a USB cable. The LCD screen will display a NOTEBOOK icon. Under “My computer” or “Windows Explorer” you should see a drive which will resemble a “Removable Disk ” (like a USB Flash drive or Hard drive).

Recorded videos and photos are stored in the DCIM\100DSCIM folder, and the files are named as MOVI***. AVI for video, or PICT***.JPG for still images. These files can be played back using Windows Media player or a compatible .avi media player or an image viewer (for images)

Note:

- 1) A Micro SDHC card must be inserted into the device before recording.
- 2) The NAVC-L08 supports cycle recording. It will overwrite the oldest video files with new ones. Depending on the size of the Micro SDHC card and the speed rating of the card, there may be as much as a 3 second pause time whilst old files are overwritten with the newer files. This pause time will not be recorded.
- 3) As the NAVC-L08 has a DC5V input, please use the original car charger which will step down the car’s 12VDC to 5VDC and fuse the circuit in the event of an overload.

Typical Video/Photos Storage Capacity

	Resolution	2GB	4GB	8GB	16GB	32GB
Video	1296 x 1080p (FHD)	10min	20min	40min	80min	160min
	1280*720 (720P)	20min	40min	80min	160min	320min
	640*480 (VGA)	40min	80min	160min	320min	640min
Photo	1M (1280*1024)	11650 photos	23300 photos	46600 photos	93200 photos	186400 photos
	2M (1600*1200)	8400 photos	16800 photos	33600 photos	67200 photos	134400 photos
	3M (2048*1536)	6000 photos	12000 photos	24000 photos	48000 photos	96000 photos
	5M (2560*1920)	3500 photos	7000 photos	14000 photos	28000 photos	56000 photos

Connecting the NAVC-L08 in the Car



The above wiring diagram shows a left hand drive vehicle. Wiring path is only a suggestion.

1. NAVC-L08 device mounted behind the rear vision mirror.
2. 12v DC cable routed behind rear vision mirror
3. Cable hidden behind roof headlining
4. Cable hidden behind "A" pillar – beware of airbag equipped cars
5. Cable is routed beside the dashboard / near the door hinges
6. Cable is passed under the passenger carpet (or under the dashboard)
7. 12v DC plug is connected to the car's 12v "cigarette socket".



Once the wiring and installation of the NAVC-L08 have been completed, please check the following:

- With the car's ignition on (or engine started), the red LED indicator on the NAVC-L08 will light up and the LCD screen should turn on. Recording should start automatically. This will indicate a successful installation –

- When the car's ignition is turned off, the device should turn off within 20 seconds. If this doesn't happen then power is still being supplied to the car's 12v socket and the device will need to be switched off manually.

TROUBLE SHOOTING / Q & A

Fault	Suggestion
Device does not turn off	If in vehicle: check that the 12V socket is not still powered (on) when the key is removed (as with some European cars). Wait 20 seconds for file finalisation / closure. Disconnect power lead to device Press "ok" to stop recording, then press power to turn off.
Cant playback the .avi video files	Upgrade your windows media player version or use an alternate media player such as VLC media player
My video/pictures of an incident are NOT there	Check the capacity of your SD card, the files may have been overwritten in the record cycle process. Ensure you STOP THE RECORDING if you want to keep a video/picture of an event otherwise, it will be over written.
The device has frozen / stopped working.	Check the speed of your Micro SD card. We recommend class 4 for faster transfer rates, especially if the record file size is bigger (say 10 min recording increments at 1080p). Press the "reset" button with a paper clip to reset the settings back to default
The date/time is incorrect	Reset the date / time in the settings menu. If the battery runs completely flat, then the date/time will need to be reset
The suction cup keeps coming off	Ensure the windscreen and surface area of the suction cup are clean. In wet or very hot weather, the suction cup mount may need to be reapplied.
Can't see the device in my computer	Check the USB cable connection to the device and USB port. Try another USB port, possibly directly to the PC/notebook (rather than through a USB hub)

PRODUCT SPECIFICATIONS

Product name	Car camera
Features	130 degrees wide angle, 1080FHD HD
G-sensor	Built-in (emergency save the accident video file of the car, not deleted)
LCD screen size	2.2-inch-high-definition LCD screen
Lens	130 degrees A + level high resolution ultra-wide-angle lens
Language	English, Chinese, Korean, Japanese and so on
File format	AVI
Video resolution	Up to 1080FHD
Camera mode	12 million
Photo format	JPEG
Storage card TF	Maximum support 32G
Microphone	Support
Built-in sound	Support
USB function	1: USB-Disk 2: PC-Camera
Car ignition boot	Turn off the power
Power interface	5V 0.5A
Motion detection function	Support
Battery	Built-in 150mAh

For further product information on this and other products please visit our product web page at www.navig8r.com.au or email support@navig8r.com.au

Warranty Against Defects

Navig8r is a brand sold and marketed by Laser Corporation Pty Ltd (“Laser”). Laser hereby warrants your new product to be free from defects in materials and workmanship for 12 months, from the date of purchase, provided that the product is used in accordance with accompanying recommendations or instructions where provided. The benefit of this warranty is in addition to your rights under the Australian Consumer Law and to other rights and remedies of the consumer under a law in relation to the goods or services to which the warranty relates.

Through a network of retailers and resellers, Laser will provide you with your choice of a refund, repair or exchange (where possible) for this product if it becomes defective within the warranty period. This warranty will no longer apply where the defect is a result of alteration, accident, misuse, abuse, normal wear and tear, neglect or improper storage. Please retain your receipt as proof of purchase.

How to make a product warranty claim:

Step 1: Find your receipt which proves the date of purchase. Where the date of purchase cannot be verified, your place of purchase or Laser will make an assessment based on the date of manufacture, the condition of the Laser Product and the type of defect.

Step 2a): Contact your place of purchase. They will assess the nature of the fault and refund or replace the product as per their store refund or warranty policy.

Step 2b): If your place of purchase cannot be contacted, then you can contact Laser. Customer Service with details of your defective Laser Product: Phone: (02) 9870 3388; or Email: support@laserco.com.au or online www.laserco.com.au/warranty (click on “Consumers (End Users)”). Our business address is at 1/6-8 Byfield Street, North Ryde, NSW 2113

Step 3: Laser will issue you with a Return Authorisation (RA) number within 48 hours. When requested, send us the defective Product and a copy of your receipt. Laser will cover the cost of the return delivery.

Step 4: Wait for us to contact you. Once we have received your defective Laser Product for inspection, we will inform you of our assessment of your claim within 7 days. When we contact you, we will firstly let you know whether you have a valid claim under this Warranty, and if so, we will inform you whether your defective Laser Product will be replaced or repaired, together with the number of days you can expect to wait to receive your replaced or repaired Laser Product.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.