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NAVIG WiFi Crash Camera SHD 1296p User Manual

**WiFi Crash Camera SHD 1296p
with GPS and Wi-Fi App Viewer**

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 and dusty or sandy environments.
– The Crash Cam is designed to be mounted on a vehicle windscreen, as high as possible, to ensure the maximum viewpoint. Please ensure that any attached cables are secured and will not cause the device to fall.
– During charging or extended use, the product may become warm. This is normal.
– There are no user-serviceable parts in this product.
– Unauthorised attempts to dismantle or repair this product will void the product warranty.

Contents

What's in the Box

Navig8r Crash Cam NAVC-525-WIFI, 1 x Windscreen Suction-cup Mount, 1 x GPS Module, 1 x USB Car Charger, 1 x USB Cable, 1 x Adhesive pad, 1 x User Manual

Installation the Front Camera and GPS Antenna

* Suggested wiring installation (below)

The NAVC-525-WIFI works best when mounted centrally and high up on the windscreen (typically behind or close to the rear vision mirror for the front camera). Use the supplied windscreen suction mount to affix the NAVC-525-WIFI to the windscreen and then adjust the mount until you can see a clear view of the road ahead on the Monitor. **Note:** Be sure to remove the plastic cover from the silicone suction pad and ensure the glass surfaces are clean, dry and lint free.

Optional Adhesive Mount (Included in package)

1. NAVC-525-WIFI device mounted behind the rear vision mirror.
2. Car charger 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. Car charger plug is connected to the car's "cigarette socket".
8. Connect the GPS module. Position the module behind one of the sun visors as to not obstruct your view. Affix to the windscreen using the adhesive pad attached to the module.

⚠️**Once the wiring and installation of the NAVC-525-WIFI has been completed, please check the following:**
– With the car's ignition on (or engine started), the Blue LED indicator on the NAVC-525-WIFI will light up. 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 charger socket and the device will need to be switched off manually.

Buttons and Connections
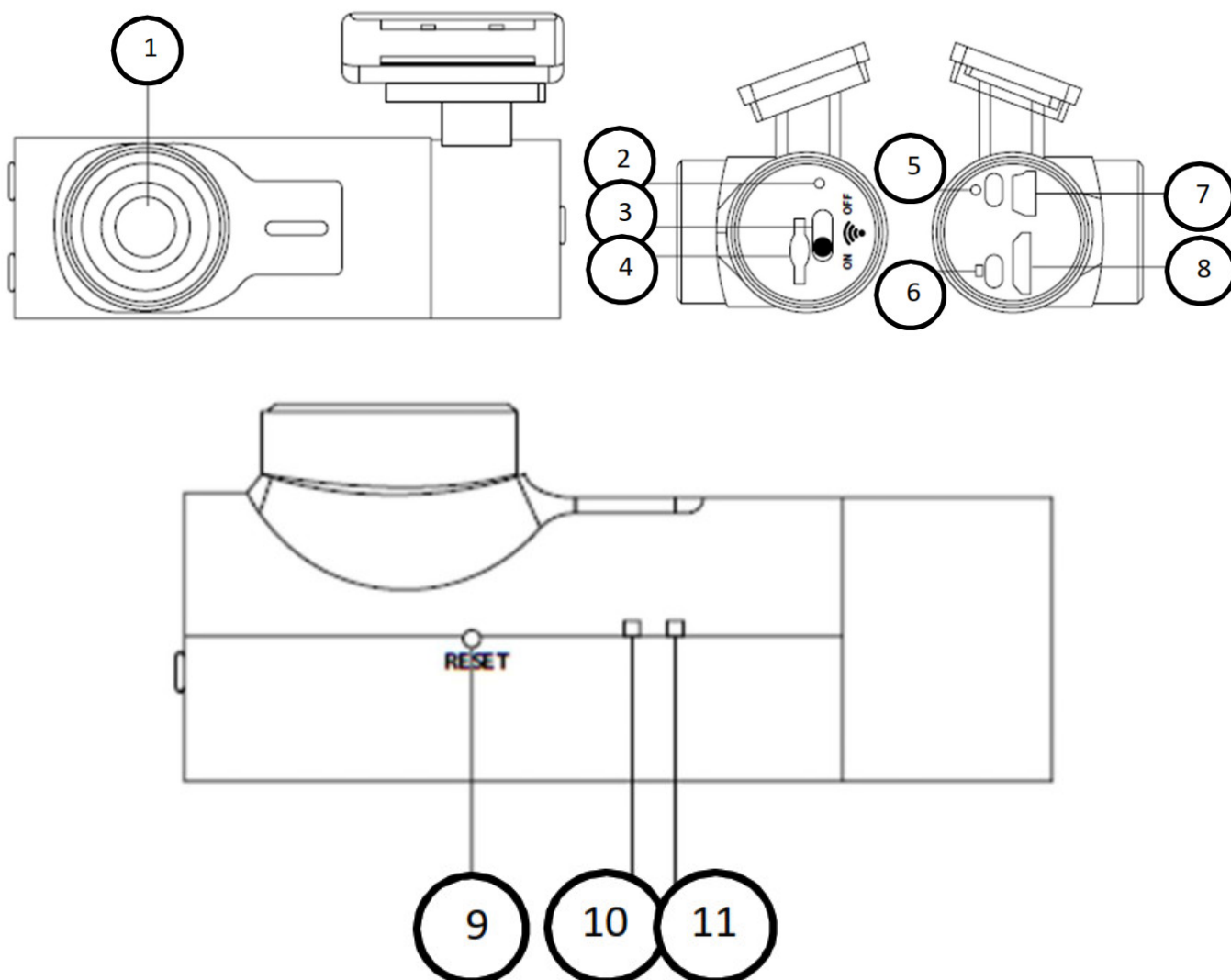
1	Lens
2	Wi-Fi LED
3	Wi-Fi Switch
4	Micro SD Card Slot
5	Power On/Off
6	Record Button
7	Mini USB Port
8	Mini HDMI Output
9	Reset Button
10	Record LED indicator
11	Charge LED indicator

Memory Card required for operation

The NAVC-525-WIFI requires a Micro SD card (not included) to record video/image content. (**See page 11** for a table showing Micro SD card capacity and the relevant amount of video/image content able to be stored). For optimal performance, we recommend using a Class 10 or faster Micro SD card to ensure fast data transfer rates.

Power On/Off function (Auto On/Off)

To turn ON/OFF the NAVC-525-WIFI, press and hold the power button. When connected to the car charger (cigarette socket) of your car, the NAVC-525-WIFI will turn ON and OFF automatically when the car's ignition is turned ON or OFF. If the NAVC-525-WIFI does not turn off immediately it means the device is completing the file save process before turning off (usually only a few seconds). Note: If the car charger car charger socket is "constant on" (in some European vehicles), then the NAVC-525WIFI will need to be turned ON/OFF manually by the power button or by removing the car charger plug. Whilst connected to the car charger DC socket (or from a powered USB hub or PC USB port) and the camera is turned OFF, the LED indicator will indicate RED (battery is charging) and will turn OFF once the battery is fully charged. (Note – the device's battery will not charge if connected to a PC USB port)

Recording

Turn on your NAVC-525-WIFI and press the REC button (unless auto **REC** on has been set with ignition on). When recording commences, the LED indicator will flash BLUE. The recorded file is then saved onto the Micro SD Card. You can manually stop recording by pressing the **REC button** or turning the car ignition off (stopping power to the device).
Note: If G-Sensor is selected, recording will start automatically when there is movement detected. This setting is ideal for when the car is parked or unattended. Note that if left on battery power (car is turned off), the standby time and record time will be dependent on the level of charge on the battery.

⚠ **In the event of an incident/accident – Use Auto Bump File Save.**
– Due to the "cycle recording" nature of this technology, older recorded files will be overwritten (depending on the resolution settings and the memory capacity of the Micro SD card).
– The in-built G sensor will trigger an auto-save lock if it senses a bump (sensitivity is selectable via the Menu), so that the file being recorded is not overwritten in the cycle record process.

Video/Photos Storage Capacity

Resolution	16GB	32GB	64GB
1936 x 1296 (1296p)	2 Hours	3.5 Hours	7 Hours
1920 x 1080 (1080p)	4 Hours	8 Hours	16 Hours
1080 x 720 (720p)	5 Hours	10 Hours	21 Hours

Note: Actual recording times may vary depending on the content of your recording.

Installing your App (Crash Cam viewer)

ANDROID DEVICES
For Android devices, visit the Google Play Store and search for "LINKINEYES" and install the app.
IOS DEVICES (APPLE)
For Apple IOS devices, visit the App Store and search for "LINKINEYES" and install the App.

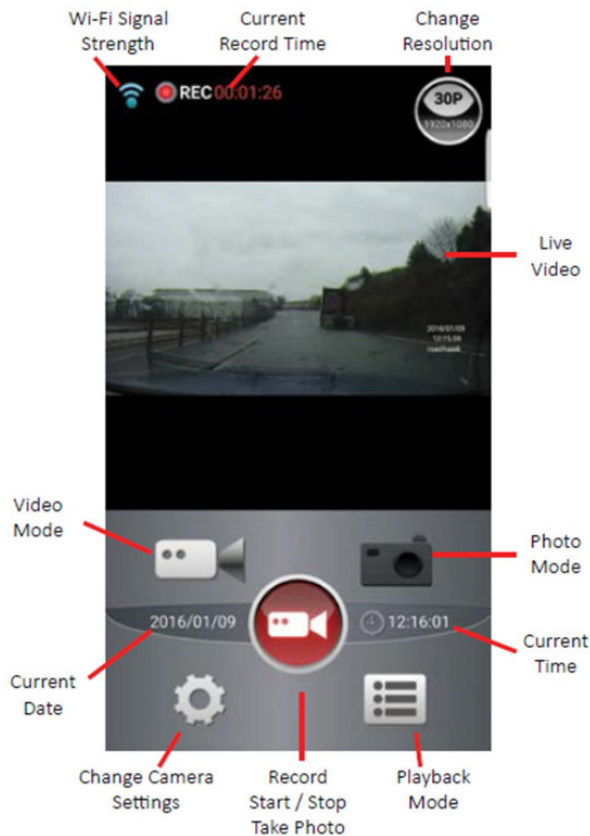## Connect your Device and App via WiFi

The steps to connecting your smart device to your App are as follows:

1. Switch on the Bluetooth feature on your Smart Device.
2. Switch on your NAVC-525-WIFI crash camera.
3. Search and wait for the Device named NAVC-525-WIFI to appear.
4. Connect using the password "1234567890" if required.
5. After a successful connection, you can now view and save footage from your Crash Camera, direct to your smart device and share footage via social media.
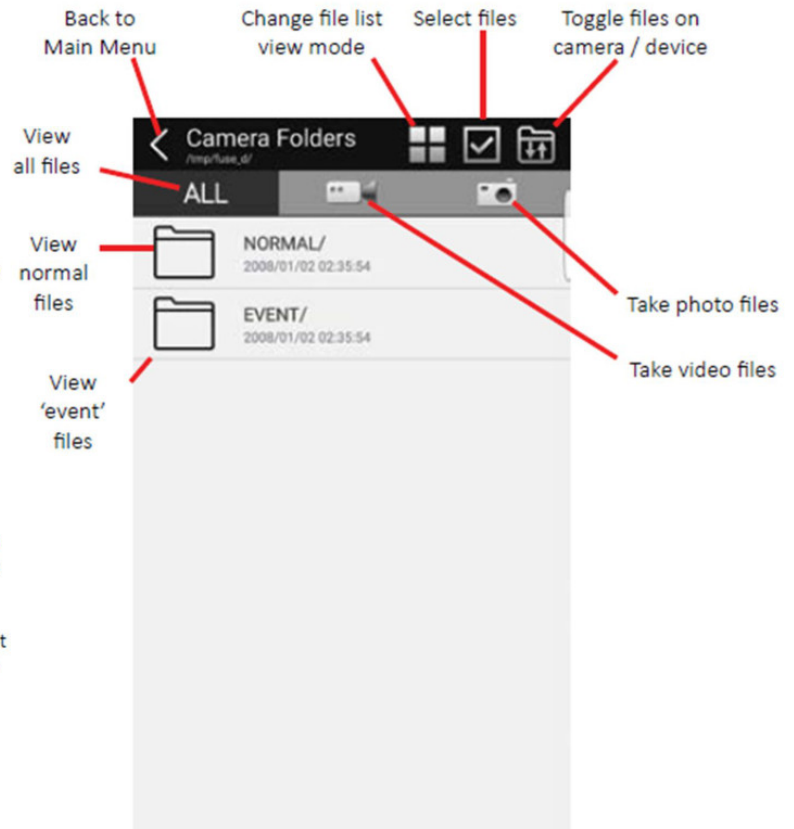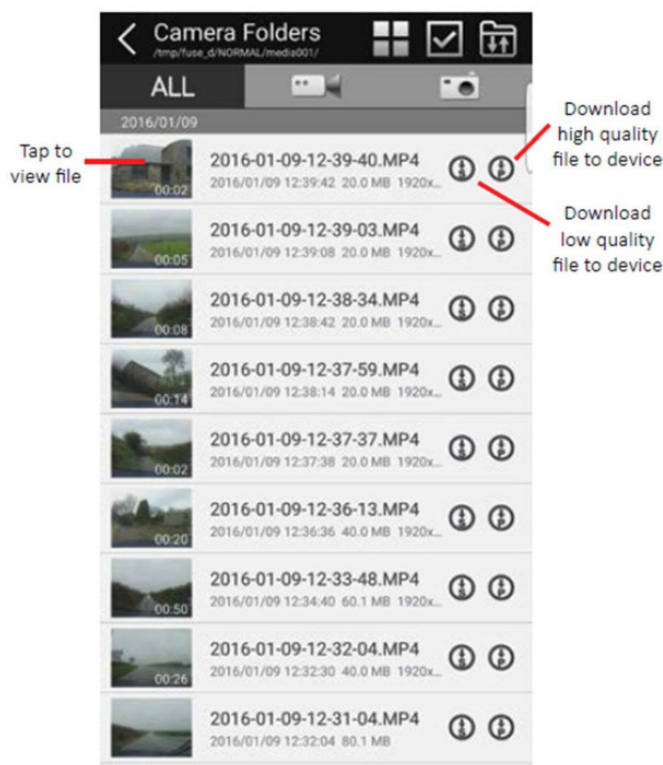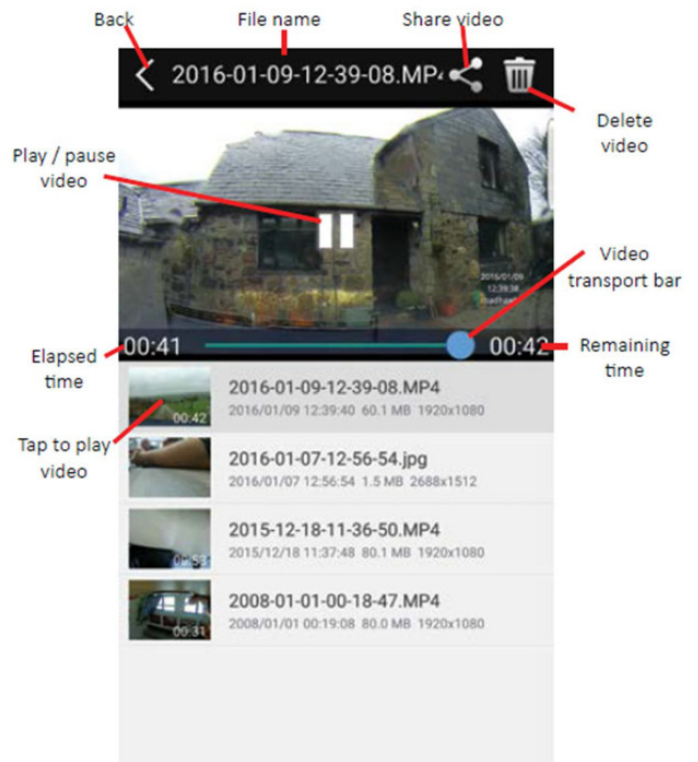
On-Screen Display

Main App Screen

Wi-Fi Signal Strength

Current Record Time

Change Resolution

REC 00:01:26

30P
1920x1080

Live Video

Video Mode

Photo Mode

2016/01/09

12:16:01

Current Time

Current Date

Change Camera Settings

Record Start / Stop Take Photo

Playback Mode

Playback Menu

Back to Main Menu

Change file list view mode

Select files

Toggle files on camera / device

View all files

Camera Folders
/tmp/fuse_d/

ALL

NORMAL/
2008/01/02 02:35:54

View normal files

EVENT/
2008/01/02 02:35:54

Take photo files

Take video files

View 'event' files

File Menu

Camera Folders
/tmp/fuse_d/NORMAL/media001/

ALL

2016/01/09

Tap to view file

Download high quality file to device

2016-01-09-12-39-40.MP4
2016/01/09 12:39:42 20.0 MB 1920x...
00:02

Download low quality file to device

2016-01-09-12-39-03.MP4
2016/01/09 12:39:08 20.0 MB 1920x...
00:05

2016-01-09-12-38-34.MP4
2016/01/09 12:38:42 20.0 MB 1920x...
00:08

2016-01-09-12-37-59.MP4
2016/01/09 12:38:14 20.0 MB 1920x...
00:14

2016-01-09-12-37-37.MP4
2016/01/09 12:37:38 20.0 MB 1920x...
00:02

2016-01-09-12-36-13.MP4
2016/01/09 12:36:36 40.0 MB 1920x...
00:20

2016-01-09-12-33-48.MP4
2016/01/09 12:34:40 60.1 MB 1920x...
00:50

2016-01-09-12-32-04.MP4
2016/01/09 12:32:30 40.0 MB 1920x...
00:26

2016-01-09-12-31-04.MP4
2016/01/09 12:32:04 80.1 MB

Video Playback Screen

Back

File name

Share video

2016-01-09-12-39-08.MP4

Delete video

Play / pause video

Video transport bar

Elapsed time

00:41

00:42

Remaining time

Tap to play video

2016-01-09-12-39-08.MP4
2016/01/09 12:39:40 60.1 MB 1920x1080
00:42

2016-01-07-12-56-54.jpg
2016/01/07 12:56:54 1.5 MB 2688x1512

2015-12-18-11-36-50.MP4
2015/12/18 11:37:48 80.1 MB 1920x1080
00:53

2008-01-01-00-18-47.MP4
2008/01/01 00:19:08 80.0 MB 1920x1080
00:31

Install the software disc and select installation GPS Player. You can also view a soft copy of the user manual
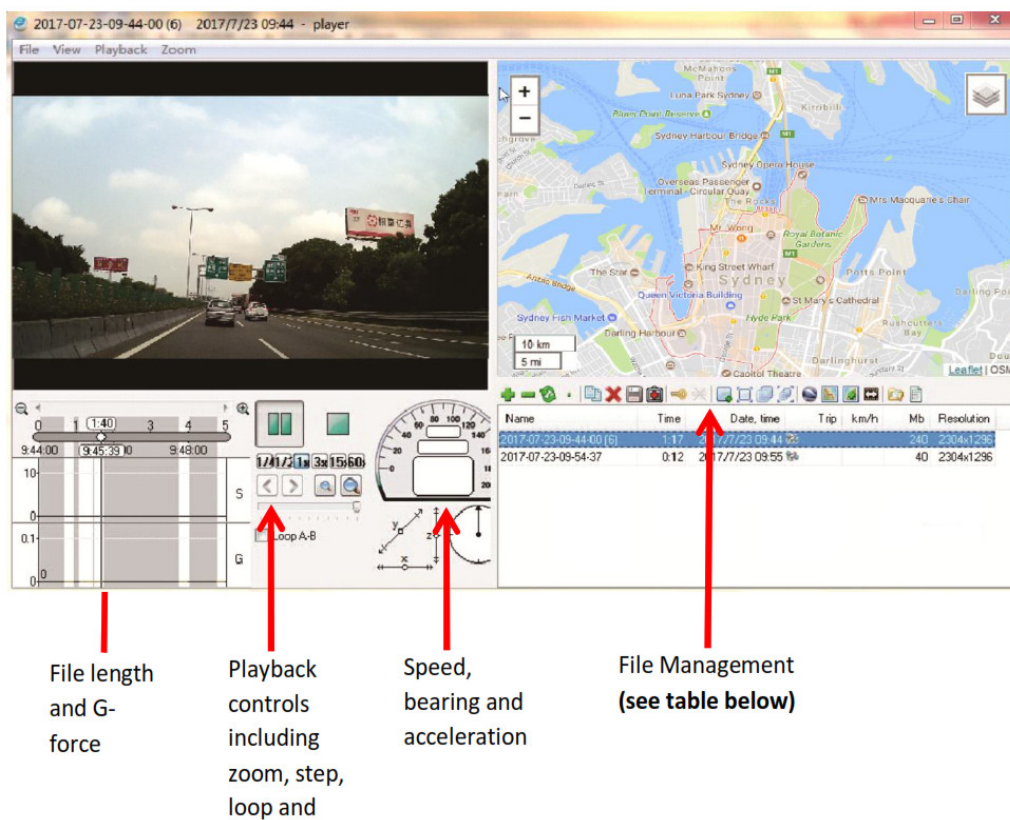
Install GPS Player Software

View User Manual

Note: Permission may need to be granted to the FFDSHOW program following installation.

Note: GPS Player zip file is also included in the GPS player folder of camera micro SD card, extract it and execute the player.

THE GPS SOFTWARE – OVERVIEW

File length and G-force

Playback controls including zoom, step, loop and

Speed, bearing and acceleration

File Management **(see table below)**

Note: A copy of all files for playback, need to be "added" to the software playlist before playback. When deleting a file from the software, it is just removing it from the playlist. It is not deleting the original file from your device.

THE GPS SOFTWARE – KEY COMMANDS

	Add file to list	Find a file for playback and add to playback list.
	Remove from list	Remove a file from the playback list
	Refresh file list	Refresh playback list
	Clear file list	Remove all files from playback list
	Copy file to certain location	Save file to a specific location (on your PC)
	Delete file from list	Delete specific file from playback list
	Save whole group	Combine multiple files into one video. (Then select location to save master file)
	Repair broken file	Repair corrupt or damaged file or associated GPS data
	Set lock (Protect against deletion)	Removes the delete option for this file
	Unlock	Re-instate the delete option for this file
	Group with …	Group multiple files together for easy viewing from the play list only (does not create a new master)
	Ungroup	Returns files back to default status after the "Group with …" option has been selected.
	Find groups automatically	Displays grouped files only on the play list.
	Ungroup all	Returns ALL files back to default status after the "Group with …" option has been selected.
	Open track in Google Earth	Display recorded GPS co-ordinates on Google Earth
	Export track	[Not available on model NAVC-525-WIFI]
	Attach track	[Not available on model NAVC-525-WIFI]
	Move video position	[Not available on model NAVC-525-WIFI]
	Show file in explorer	Click to playback a file from another folder
	Property	Display properties of selected file

MENU SETTINGS

Feature	Options	Description
Video Resolution	2560 x 1080 30P 21:9 2304 x 1296 30P 16:9 1920 x 1080 30P 16:9 1920 x 1080 30P 16:9 HDR 1280 x 720 60P 16:9 1280 x 720 30P 16:9 1280 x 720 30P 16:9 HDR 1920×1080 45P 16:9	This setting changes the resolution of the video being recorded by the camera. The higher resolution will give higher quality video but you will not be able to store as much video on the Micro SD card as the files will be larger.
Video Quality	S.Fine / Fine / Normal / Cancel	Enables the quality of the recording to be adjusted. Normal is the lowest quality setting which will allow you to store more video on your Micro SD card. Super Fine is the highest quality setting but the files will take up more space on the Micro SD card.
Video date stamp	On / Off / Cancel	When the Date stamp for video is turned on, the date will be overlaid in the video being recorded. The Date can be set in the Time/Date setting in the main menu.
Video time Stamp	On Off / Cancel	When the time stamp for video is turned on, the time will be overlaid in the video being recorded. The Time can be set in the Time/Date setting in the main menu.
Video driver ID stamp	On / Off / Cancel	When the Driver ID stamp for video is turned on, the Driver ID will be overlaid in the video being recorded.
Video Loop length	lmin / 2min / 3min / 5min / Cancel	This setting determines the length of the video file before a new file is started. The video length can be set from 1 to 5 minutes long.
Photo Resolution	4M(2688×1512 16:9) / 9M(4000×2250 16:9) / 13M(4800×2700 16:9)	Changes the resolution of the photos taken by the camera. Higher resolution settings give higher quality photos but the files will be larger.
Photo Quality	S.Fine / Fine / Normal / Cancel	Higher quality photos will take up more of the space on the Micro SD card.
Photo date stamp	On / Off / Cancel	When the Date stamp for photo is turned on, the date will be overlaid in the photos taken by the camera. The Date can be set in the Time/Date setting in the main menu.
Photo time stamp	On / Off / Cancel	When the Time stamp for Photo is turned on, the time will be overlaid in the photos taken by the camera. The time can be set in the Time/Date setting in the main menu.

Photo driver ID stamp	On / Off / Cancel	When the Driver ID stamp for video is turned on, the Driver ID will be overlaid in the video being recorded.
Microphone	On / Off / Cancel	The microphone sound setting can be used to enable or disable audio recording in your vehicle.
G-Sensor	Off / Low / Mid / High / Cancel	Changes the sensitivity of the camera's G-Force Sensor. If your camera is creating a lot of 'event' files then you can lower the sensitivity of the G-Force sensor. If the sensitivity of the G-Sensor is too low then the camera may not create an 'event' file if you are involved in a light accident. Choosing the correct setting will depend on your vehicle and condition of the road surface.
Language	English	Changes the user interface menu language. (English available only)
Set date and time	Default Setting: Ok/Cancel	Allows you to set the time and date setting of the camera. It is important to set the correct time and date so the recorded videos and photos can be labelled correctly. To display an overlay of the Time and/or Date in the recorded videos and photos, please turn the Video/Date stamp settings to on in 13 the main menu.
Reset Camera settings	Default settings	This allows you to reset the camera to factory default settings.
Format Camera storage space	Format/Cancel	This function allows you to format the Micro SD card in the camera. Formatting the Micro SD card will erase all photos and videos you have previously recorded. Please ensure you have backed up any files you wish to keep before using this format option. Please see our notes on formatting Micro SD cards in the troubleshooting guide.
Format Camera storage space	Free Space / Total Space	Displays the total and used space available on your Micro SD card.

Trouble Shooting/Q & A

Fault	Suggestion

Device does not turn off	If in vehicle: check the style can develop. That the Car charger 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 .MPEG4 video files	Upgrade your windows media player version or use an alternate media player such as VLC media player. (**www.videolan.org**)
My video/pictures of an incident are NOT there	Check the capacity of your Micro SD card, the files may have been overwritten in the record cycle process.
The device has frozen/stopped working	Check the speed of your Micro SD card. We recommend class 10 for faster transfer rates, especially if the record file size is bigger If the ambient temperature is excessive, you may need to wait for a few minutes.
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 is clean. In wet or very hot weather, the suction cup mount may need to be reapplied. Do not apply the suction mount on the portion of a windscreen which is not glass (eg; some vehicles may have a coating)
The captured image is not stored	Your Micro SD card might be full or the file may not have been saved before power was turned off to the unit. Make sure to stop recording before shutting down.
I cannot turn my device on	Try charging the battery for 10 minutes and try again. The battery may be completely exhausted.
My screen keeps turning g off	When not connected to power (charging) the unit will always turn off after 30 seconds to conserve power. This function cannot be changed.
I cannot take any photos s	Your Micro SD might be full. Try removing some files.
Recording seems to stop by itself	Make sure you are using the right class 10 Micro SD Card as noted in this user manual.
I get an error message when I try to play back files	You might have some corrupt sectors on your Micro SD Card. Try re-formatting it and trying again.
The video images are hazy	Make sure the lens is clean and free from debris.
There are horizontal stripes interference on the image	A) Set frequency setting according to the local power supply- 50Hz 13) Ensure you are using the original (high capacity) car charger.
There are a lot of features not available on this model even though they are mentioned in this manual. Why?	Just like buying a car, there are certain models with full features and some with lesser features. As the NAVC-525-WIFI model is renewable and re-released in the coming years, some of these features will become available and even newer features will also be added.

Product Specifications

Note: Please use the supplied Hi current 5V 2Amp USB car charger as supplied with this product.

Voltage input	12 to 24VDC (Cars and Trucks)
USB Port	For Power only
TV Standard	PAL or NTSC selectable
Audio Recording	Supported
Screen size	2.4 inch TFT Screen
Date / Time stamp	Supported — on video and on photos
Motion Detection	Supported — whilst stationery as well as moving and connected to power
Video Resolution	2560×1080/30fps, 21:9 2304×1296 30fps, 16:9/1920×1080 30fps, 16:9 HDR 1920×1080 30fps, 16:9/1280×720 60fps, 16:9/1280×720 30fps, 16:9/HDR 1280×720 30fps, 16:9/1920×1080 45fps
Photo Resolution	4M(2688×1512 16:9)/9M(4000×2250 16:9)/13M(4800×2700 16:9); Default 4M(2688×1512 16:9)
Auto Bump Record (G sensor)	Adjustable sensitivity (Low/Medium/High)
Lens viewing angle	Front: 150 degrees
Cycle recording times	1 or 3 or 5 Minutes
File Format	Image: JPG Video : MPEG4 Compression: H.264
Memory Card	Micro SD cards supported. Class 10 recommended. Maximum capacity is 32GB
Language System	English
Car charger	Input voltage: 12-24v Output voltage: 5v 2000ma (Suitable for car or truck use)
Lens	OV4689 Sensor + 6 layers fish eye lens

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

Warranty Against Defects

Laser Corporation Pty Ltd ("Laser") 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 repair, exchange (where possible) or refund (within Dead on Arrival period) 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 repair, replace or fund 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 Laser Product: Phone: (02) 9870 3388; or Email: **support@laserco.com.au** or online **www.laserco.com.au/warranty** (click on "Consumers. 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.

Step 5: For further details on warranty coverage and returns, please check the Terms and Conditions for Warranty Returns section on **http://www.laserco.com.au/warranty**
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.

Documents / Resources

NAVIG WiFi Crash Camera SHD 1296p [pdf] User Manual
WiFi Crash Camera SHD 1296p, Crash Camera with WiFi App Viwer

References

- **Laser: The Ultimate Tech Hub for Home Entertainment, Audio, Smart Home & More**
- **Warranty**

- 🔺 [VLC: Official site - Free multimedia solutions for all OS! - VideoLAN](#)

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