

NANOCAM+[®]

4K Ultra-HD Dash Camera with 3.2" IPS Screen
& inbuilt GPS + WIFI



USER MANUAL

Your Safety. Our Priority

NCP-DVR4K

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1.0 CAUTION

- Please ensure you are using your dash camera within your countries' road laws. Please make sure you are familiar with your local road legislation before use.
- The time and date needs to be set before you start recording.
- The notifications provided by this Dash Camera are to be used as a guide only. Please drive according to the actual conditions on the road.
- The system is for non-commercial use only, and within the limits permitted by the relevant laws.
- Avoid using the Dash Camera in the vicinity of any devices that emit radio interference (eg. microwave ovens).
- Please note, it's normal for the Dash Camera to get warm during use.

2.0 BATTERY WARNING

- Always power the Dash Camera using the provided charger.
- Never dismantle the Dash Camera.
- Do not dispose of the Dash Camera in fire.
- Dispose of the Dash Camera observing local regulations.

3.0 MICRO SD CARD WARNING

This Dash Camera can only be used with Micro SD Cards, Class 10 or above with 32GB - 128 GB storage capacity (this is not included and will need to be purchased separately). Please format your Micro SD card before use.

NOTE:

- Formatting the Micro SD card will delete all information on the inserted Micro SD Card and prepare the card for use with the Dash Camera.

3.1 FORMATTING THE INSERTED MICRO SD CARD

Please download the NCP-LINK App and connect your dash camera with the downloaded app by following the steps as mentioned on page 16.

NOTES ON INSTALLATION

1. For best results, we recommend that the dash camera is installed near the rear view mirror, or at the top centre of the windshield.
2. Make sure the lens is within the range of the windscreen wiper, so there is a clear line of view when it rains.
3. Do not touch the lens. Fingerprints on the lens will result in unclear videos or photos. If your photos or videos are blurred, this may be solved by cleaning the lens gently with a microfibre cloth.
4. Please only use the included charging cable to power the dash camera. Other cables may not work or may damage the camera.

4.0 INTRODUCTION

Thank you for purchasing a Nanocam Plus Dash Camera. We have designed this product so you can have a better driving experience with enhanced safety features. Our products, like most after-market safety enhanced devices, are designed to assist and aid the driver, not to replace the manual function of the person operating the vehicle. Please read through these instructions before attempting to install this product.

For the latest manual and product updates, please visit our website at **www.nanocamplus.com.au** or **www.nanocamplus.co.nz**

5.0 PACKAGE CONTENTS



NCP-DVR4K
Dash Cam x1



Electrostatic
Film x2



3M Mount x1

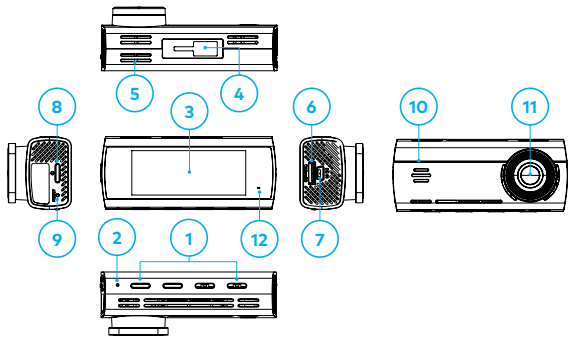


12/24V Power
Adaptor x1



User Guide x1

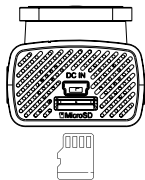
6.0 PRODUCT OVERVIEW



- | | | |
|---------------------------|--------------------------------------|---|
| 1. Function Keys | 6. Micro SD Card Slot | 11. Camera Lens |
| 2. Microphone | 7. Mini USB Connector
(for power) | 12. Indicator LED (turns
green when recording) |
| 3. Display Screen | 8. Power Button | |
| 4. 3M Mount Slot | 9. Reset Button | |
| 5. Heat Dissipation Vents | 10. Speaker Vent | |

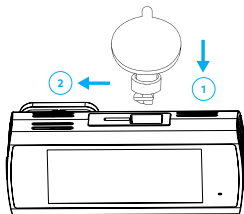
7.0 BEFORE INSTALLING YOUR DASH CAMERA

7.1 INSERTING THE MICRO SD CARD



Please insert the memory card into the Micro SD Card slot with the chip contact surface facing up. Insert it until you hear a click sound.

7.2 FITTING THE 3M MOUNT TO THE DASH CAMERA

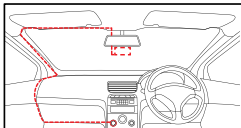
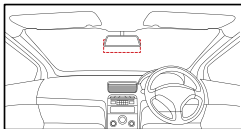


Insert the 3M bracket into the mounting hole, and slide to your left.

8.0 INSTALLATION INSTRUCTIONS

8.1 NCP-DVR4K INSTALLATION

- OPTIONAL:** The electrostatic film helps for easy removal of the dash camera from the windshield and is included in package contents. Select the electrostatic film from the box and install it on the front windshield in the recommended position as shown. Please wipe the glass before installation and push out the bubbles between the static film and the glass before installation.
- Remove the protective film from the NCP-DVR4K mounting bracket and position the dash camera in the middle of the electrostatic film (optional). Press down on the base of the bracket by hand for 30 seconds to ensure that the adhesive is attached to the electrostatic film, adjust the camera until its lens is capturing the entire road.
- Run the dash camera charging cable along the top of the front windshield through the A pillar and under the storage compartment of the passenger seat to the car's 12/24v adaptor port. Connect the 12/24v adaptor to the car power.



9.0 USING YOUR DASH CAMERA

9.1 AUTO POWER ON/OFF

When the dash camera is correctly installed and connected to your vehicle's 12/24V power supply, and when the ignition is turned on to 'accessories' the dash camera will automatically turn on and start recording.


9.2 FORMATTING THE INSERTED MICRO SD CARD

It is highly recommended you format the SD card before use.

NOTE:

- Formatting the Micro SD Card will delete all previously saved information on the inserted card, preparing the card for best use with the car dash camera.

To format follow the below steps:

1. Press the  icon. The menu is displayed as shown on the image on page 11.
2. Press > twice to arrive at the **Format SD Card option** which will be now highlighted in blue.
3. Press the button below the tick. Now you will be notified **"Formatting will delete all the data on the micro SD card. Continue?"**
4. Press the button below the tick and the Micro SD card. You will now get an alert confirming that **"the Micro SD card is now formatted"**.
5. You can also format your Micro SD card via the NCP-LINK App.

9.3 SETTING THE DATE AND TIME

This step is vital, as the correct date and time will be stamped on your recorded video files, and their accuracy can be particularly important in an insurance claim. Please follow the steps below carefully.

How to set the date and time:

1. Press the first button on the left, on the underside of the dash camera.
2. The menu will open as shown below.
3. Press < to select **System Settings** and press the button below.
4. Using the up and down keys, scroll through the menu until you select '**date and time**', once selected it will be **highlighted in blue**.
5. Press the button below the tick.
6. Now the time-setting menu will open.
7. Press the + and - to change the time, and press > to select the year, month, date and time. After the date and time is confirmed, press the tick to save and exit.

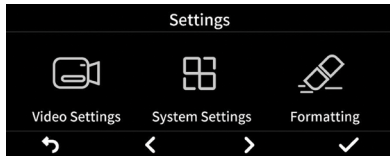


Image 1: NCP-DVR4K Settings Screen

9.4 SCREEN MENU



Image 2: NCP-DVR4K Screen

- Rec** **Recording Indicator:** The red button will flash when your dash camera is recording.
- Wi-Fi** **WIFI Status:** If your dash camera is not connected to WIFI it will have a strike through the icon.
- P** **Parking Surveillance ON/OFF:** Will only show when surveillance is turned ON.
- Audio** **Audio Recording ON/OFF:** Press the button below this icon to turn this function ON/OFF.
- Lock** **Lock File:** Press the button below this icon to save and lock the current file in your events folder.
- Playback** **Playback Menu:** Press the button below this icon to view your recorded files.
- DVR** **DVR Settings:** Press the button below this icon to enter dash camera settings.

9.5 EVENT VIDEO RECORDING



Image 3: NCP-DVR4K Recording Event Video

Whenever the dash camera senses an impact via its inbuilt G-sensor, or if the emergency button is manually pressed, your files will be stored in the 'event-files' folder. Files in this folder cannot be overwritten during loop-recording so they can be used for future reference.


NOTES: To protect the Micro SD card from reaching its storage limit with 'DVR event files,' only 20% of the Micro SD card's memory is allocated to store these files. We recommend you export your event files regularly, because after this 20% limit has been exhausted, the oldest 'event files' are overwritten. Exporting your files can be done by either plugging the Micro SD card into your PC or through the NCP-LINK App.

- To use this feature, please ensure the G Sensor is not turned OFF in your settings.

9.6 PLAYBACK OR DELETE RECORDED FILES





Image 4: NCP-DVR4K Playback Gallery

Press the button below the  icon to open the gallery of recorded files that are stored on the Micro SD card.

The gallery menu will have 4 folders:

1. Normal (files recorded in Normal Mode)
2. Event video (event files recorded)
3. Parking surveillance (videos recorded in time lapse)
4. Photos

Each folder can be accessed by using **<** and **>** key and then pressing the tick mark icon. Use the **<** and **>** to select the file and press the tick mark icon.

Press the button below the  **play icon** to play back or the button below the  **delete icon** to delete.

NOTES:

- There is another icon featured here which is not applicable for the NCP-DVR4K as it is a single channel model. This icons is to show the rear camera file which is not a feature of this product.
- During playback the dash camera will stop recording and will resume recording when playback has completed.

9.7 SETTINGS MENU

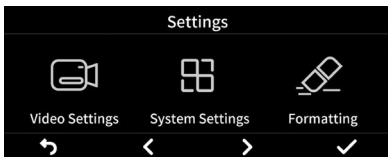


Image 5: NCP-DVR4K Settings Screen

Settings are divided into two different menus: Video Settings and System Settings.

Press the left and right key to select the Settings menu. After pressing the Settings Menu the menu will open up to the screen as shown above.

- Video Settings will change the settings of the recordings only.
- System Settings allow you to adjust the dash camera settings, format micro SD cards, perform a factory reset and offers you the QR code to scan to download the NCP-Link App. You can also find the latest firmware and the firmware release date information in System Settings.

VIDEO SETTINGS

Name	Function	Options	Default	Note
Event Video	To increase or decrease sensitivity of the G sensor	ON high sensitivity/ moderate/ ON low sensitivity	ON low sensitivity	Higher sensitivity will lock the videos even with minor bumps on the road or doors closing
Parking Surveillance	To enable or disable parking surveillance	ON/OFF	ON	When parking surveillance is ON, the dash camera will record videos in time lapse mode to save memory
Loop Recording	Loop recording enables the dash camera to record over the oldest files	1 min/2 mins/3 mins	1 min	
Video Compression	Decides the compression ratio of the recorded videos	High compression ratio / low compression ratio	High compression ratio	High compression ratio creates more space on the Micro SD card
Recording Resolution	Changes the resolution of recorded videos	4K UHD 3840x2160 @ 30fps / 2K 2848x1600 @ 30fps / FHD 1920x1080 @30fps	4K UHD 3840x2160 @ 30 fps	High resolution occupies higher memory space
Audio Recording	To enable sound recording	ON/OFF	ON	Recorded video also has audio
Time Lapse	To record the videos in time lapse mode	ON/OFF	OFF	

Speed/GPS Stamp	Stamps the Speed and GPS coordinates on the video	ON / OFF	ON	
Refresh Rate	The refresh rate of your display refers to how many times per second the display is able to draw a new image	50Hz-PAL / 60Hz-NTSC / 50Hz-JP 27.5FPS	50Hz-PAL	

SYSTEM SETTINGS

Name	Function	Options	Default	Note
Wi-Fi	To turn ON / OFF WiFi of the dash camera	ON / OFF	ON	
Start up Wi-Fi settings	To automatically turn ON/ OFF WiFi when engine is turned on	ON/OFF	OFF	Default option is OFF, which means during start up, you will need to manually turn on your WiFi.
Lane Departure ADAS	This ADAS gives an audio and video alert when your vehicle is crossing a lane	ON/OFF	OFF	
Forward Collision ADAS	This ADAS gives an audio and video alert when the vehicle in front is too close	ON/OFF	OFF	
Forward Vehicle motion detection ADAS	This ADAS gives an audio and video alert when it senses the front vehicle has started moving	ON/OFF	OFF	

Auto Screen OFF	To adjust the screen on time.	Always on/30 sec/1min	Always ON	Selecting the time will make the screen go black but the dash camera will keep recording in the back ground
Power OFF in Parking surveillance mode	To turn the dash camera OFF after the parking surveillance mode is turned ON	Do not turn OFF automatically/5 min after stop/10 min after stop/20 min after stop		
Date and Time	To set the Date and Time			
Date format	To set the format by which the date will be shown on the recorded videos	DD MM YYYY/MM DD YYYY/YYYY MM DD	DD MM HHHH	
Speed Alerts	To turn ON/OFF speed alerts	ON/OFF	OFF	
Speed unit	To set the speed unit on the recorded videos	km/h / mph	km/h	

10.0 DOWNLOADING AND INSTALLING THE NCP-LINK APP

The NCP-DVR4K needs to be used in combination with NCP-LINK App to function correctly.

All major settings on the NCP-DVR4K are accessed through the NCP-LINK App. The system requirements for your smartphone are noted below.

iPhone: iPhone 5 or later using iOS 8.0 and above.

Samsung Galaxy: S3 and later using Android 4.2.2 and above.

For you to correctly connect your smart device to your NCP-DVR4K you will need to download the NCP-LINK App from the App store. You will also need to connect your smartphone to the NCP-DVR4K's WiFi signal using your smartphone's WiFi settings.

For Android devices

Please search NCP-LINK in the Google Play Store for installation. Alternatively you can scan the QR code found in the system settings in your dash camera. You can also scan the QR code on the following page.

For iOS devices

Please search NCP-LINK in the iOS App Store for installation. Alternatively you can scan the QR code found in the system settings in your dash camera. You can also scan the QR code on the following page.

For a step by step guide on connecting to your dash camera please follow the steps below.

1. On your smart device download the NCP-LINK App from the Google Play store if you are using an Android device, or the iOS App store if you are using an iPhone. You can also scan the QR code on the following page.
2. Power up the NCP-DVR4K and allow 2 minutes for the WiFi connection to start.

- Once the App is downloaded and installed on your smartphone and the dash camera is powered up, open your smartphone's WiFi settings and connect to the wireless connection named NCPDVR4K_XXXX. (XXXX is the unique number for every dash camera).
- When prompted enter the password 12345678
WiFi Name: NCP-DVR4K
Password: 12345678
- Once the connection has been made, open the NCP-LINK App. You will now be able to access the live recording screen for stored videos, and dash camera settings.
- Scan the QR code below to download the NCP-LINK App from the Google Play or iOS App Store.



NCP-LINK App

Scan the QR code for a direct link to download the NCP-LINK App.

NOTE:

- To ensure that the DVR pairs with your smartphone properly, please turn on the DVR and keep the smartphone in close proximity to the DVR for successful pairing via Wi-Fi.
- The DVR will need to be continuously powered on to maintain the connection with your smartphone.

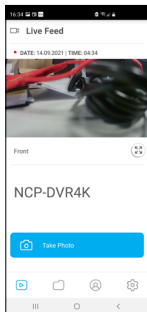
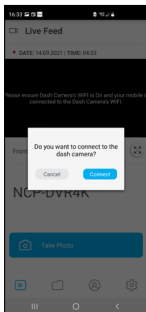
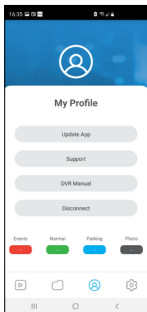
11.0 NCP-LINK APP OPERATION

To use the NCP-LINK App, your smart device will need to be connected to the dash camera wireless connection. For instructions on connecting please see the section of the manual named WiFi Connection.

11.1 APP VIDEO PLAYBACK

For Video Playback, please follow the instructions below.

1. Open the **NCP-LINK APP**.
2. Press the **Album Button**.
3. Click on the **Video Folder** and select the video you want to view.



11.2 DOWNLOADING VIDEOS FROM THE APP

To download your dash camera videos, please follow the instructions below.

1. Open the **NCP-LINK App**.
2. Press the **Album Button**.
3. Select the video/videos and press the download button.
4. The download will start and will save to your smartphone which can also be accessed through the NCP-LINK App in the Folder name Local.

11.3 SHARING VIDEOS ON SOCIAL MEDIA

To share videos on Social Media, please follow the instructions below.

1. Open the NCP-LINK App.
2. Press the Album Button.
3. Open the Local folder on the NCP-LINK App, all downloaded files can be accessed via the local folder.
4. Select the files you want to share, and then press the share button below.
5. Select the social media application you wish to share on.

11.4 NCP-DVR4K APP SETTINGS

MENU	SETTING	DESCRIPTION
Microphone	ON, OFF	Turns microphone ON/OFF
Speed Camera Alerts	ON, OFF	Turns speed camera alerts ON/OFF
Loop Recording	1 & 3 Minutes	Loop recording allows you to set the duration that the camera will record before creating a new clip
Volume	Off, Low, Mid, High	Controls the sound level of the inbuilt speaker
G-Sensor	Off, High, Mid, Low	The G-Sensor monitors your vehicle against impact. The dash camera will automatically lock the recording in the event of a collision. Turn off or adjust the sensitivity of the built in G- Sensor.
Parkmode	On, Off	Records 60 seconds of footage if activity is detected while parked. Default: Off
Adjust Time	Day, Month, Year	Adjusts the time on timestamp.

NCP-DVR4K APP SETTINGS CONT'

MENU	SETTING	DESCRIPTION
Format SD Card	Formats the micro SD card.	Deletes all recorded data off the micro SD Card.
WIFI Settings	N/A	Change the dash camera's WIFI name and password from default.
Factory Settings	N/A	Restore factory settings.
Help	N/A	FAQ
About DVR	N/A	Firmware version

11.5 WARRANTY TERMS & CONDITIONS

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 for 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.

This warranty is provided in addition to your rights under the Australian Consumer Law. Directed Electronics Australia Pty Ltd (Directed Electronics) warrants that this product is free from defects in material and workmanship for a period of 12 months from the date of purchase or for the period stated on the packaging. This warranty is only valid where you have used the product in accordance with any recommendations or instructions provided by Directed Electronics.

This warranty excludes defects resulting from alterations of the product, accident, misuse, abuse or neglect. In order to claim the warranty, you must return the product to the retailer from which it was purchased or if that retailer is part of a national network, a store within that chain, along with satisfactory proof of purchase. The retailer will then return the goods to Directed Electronics.

Directed Electronics will repair, replace or refurbish the product at its discretion. The retailer will contact you when the product is ready for collection. All costs involved in claiming this warranty, including the cost of the retailer sending the product to Directed Electronics, will be borne by you.

Email: info@nanocamplus.com.au

Ph: +61 03 8331 4800

INDEMNITY

You agree to defend, indemnify and hold harmless Nanocam Plus and its subsidiaries and affiliates from and against any and all claims, proceedings, injuries, liabilities, losses, costs and expenses (including reasonable legal fees), including but not limited to, claims alleging negligence, invasion of privacy, copyright infringement and/or trademark infringement against Nanocam Plus and its subsidiaries and affiliates, relating to or arising out of your breach of any provision of these terms, your misuse of Nanocam Plus products or its services, or your unauthorised modification or alteration of products or software.

WARRANTY AND WARRANTY DISCLAIMER

Nanocam Plus has a limited warranty on whereby Nanocam Plus warrants to you and only to you that this Nanocam Plus product will be free from defects in materials and workmanship for one (1) year from the date of your purchase (unless a longer warranty period is required by law). The specifics of this Nanocam Plus limited warranty are covered in this manual. To the extent possible under governing law, other than the above product warranty for the Nanocam Plus product, you understand and agree that the Nanocam Plus products and services are provided on an "as is" and "as available" basis. Nanocam Plus makes no warranty that the Nanocam Plus products and services will meet your requirements or that use of the Nanocam Plus products and services will be uninterrupted, timely, secure or error-free nor does Nanocam Plus make any warranty as to the accuracy or reliability of any information obtained through Nanocam Plus (including third party content), that any defects in Nanocam Plus products and services will be corrected or that Nanocam Plus products or services will be compatible with any other specific hardware or service. Further, Nanocam Plus does not warrant that Nanocam Plus products or services or Nanocam Plus servers will provide you with data and content are free of viruses or other harmful components. Nanocam Plus also assumes no responsibility for and shall not be liable for any damages caused by viruses that

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This warranty and warranty disclaimer give you specific legal rights, and you may have other rights that vary by state, province or country. Other than as permitted by law, Nanocam Plus does not exclude, limit or suspend other rights you have, including those that may arise from the non-conformity of a sales contract. For a full understanding of your rights, you should consult the laws of your state, province, or country. For our Australian customers: please note that this warranty is in addition to any statutory rights in Australia in relation to your goods

which, pursuant to the Australian Consumer Law, cannot be excluded.

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