



9.66" Touch Screen Rear DVR Mirror Monitor
with Voice Control, ADAS and 1080p Rear Camera

Your Safety. Our Priority.

NCP-MIRDVR961

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Please read this user manual carefully before using the product and retain the manual for future reference.

CAUTION

- Ensure that you are using the product within your countries' road laws. Please make sure you are familiar with your local road legislation before use.
- Avoid leaving the product in direct sunlight for extended periods of time in an unventilated space.
- Please set time and date before you use this product to record.
- The notifications given by the product are suggestions only. Please drive to actual conditions.
- This product is to be used only for non-commercial use within the limits permitted by the relevant laws.
- Avoid using the product in the vicinity of any device that emit radio interference (eg. microwave ovens).
- It is considered as normal operation for the product to get warm during use.

WARNING

- Always power and charge the product using the provided 12/24V adaptor. Improper charging of the product may result in internal battery failure.
- Never dismantle the product.
- Do not dispose of the product in fire.
- Please observe local regulations when disposing the product.

1.0 INTRODUCTION

Thank you for your purchase. The Nanocam Plus NCP-MIRDVR961 is an innovative full HD 1080p DVR Mirror Monitor that uses a high performance chip to produce high definition video with seamless playback. We are certain that this product will give you trouble-free operation while providing you with a safety feature that enhances your driving experience. Our products, like most after-market safety enhanced devices, are designed to assist and aid the driver, and 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**

2.0 PACKAGE CONTENTS



9.66" DVR Mirror Monitor



Rear Camera



12/24V Adaptor



Rubber Fasteners



8m Rear Camera Cable



3M VHB Adhesive



Rear Camera
Mounting Screws



User Manual



EVA Pads x 2

3.0 FUNCTIONS



1. Power Port Type-C
2. AV In (Rear Camera)
3. Micro SD Card Port
4. Speaker
5. Power/Display Off Key
6. Touch Panel/Display Screen
7. GPS Port (not applicable)
8. Reset Button

*** Note:** Micro SD Card is not included and must be purchased separately.

TYPE-C USB PORT	Connect to TypeUSB cable for power.
AV IN	Connect to the rear camera.
MICRO SD CARD	Please use a Class 10 or higher rated Micro SD Card with a minimum capacity of 32GB and maximum capacity of 128GB.
SCREEN	9.66" touch screen.
POWER KEY	Long press for minimum 3 seconds to turn on/off. Short press to turn on/off screen. DVR will continue to record.

4.0 GETTING STARTED

4.1 INSERTING/REMOVING A MICRO SD CARD

With the DVR Mirror Monitor turned off and the screen facing towards you, insert the memory card with the text on the Micro SD Card facing you. Push the memory card in until a click is heard. To remove the memory card, ensure that the DVR Mirror Monitor is powered off. Then push the memory card until a click is heard to eject the card.

NOTE:

- Do not remove or insert the memory card while the DVR Mirror Monitor is turned on as this may damage the memory card or corrupt the memory card stored data.
- Please use a Class 10 or higher rated Micro SD Card with a minimum capacity of 32GB and maximum capacity of 128GB.
- Please format the Micro SD Card before initial use.
- When removing the memory card, be careful as the card may eject quickly.
- The Micro SD Card is not included.

4.2 INSTALLING THE NCP-MIRDVR961

1. Loop the rubber fasteners over the top fastener clips.
2. Add EVA pads in case the DVR Mirror Monitor is loose to provide better stability.
3. Place the DVR Mirror Monitor at the front of your existing rear view mirror and ensure that the camera lens clears the edge of your rear view mirror.
4. Loop the bottom rubber fasteners over the DVR Mirror Monitor and then to the bottom fastener clips.

4.3 CONNECTING POWER SUPPLY TO THE NCP-MIRDVR961

Only use the included charger to power and charge the NCP-MIRDVR961.

1. Once the DVR Mirror Monitor is securely installed onto your vehicle's rear view mirror, plug the 12/24V DC charger into your vehicle's 12V input port or power source.
2. Run the cable along your vehicle's console and windscreen and plug it into the DVR Mirror Monitor power port marked with the USB icon.

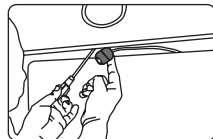
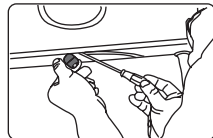
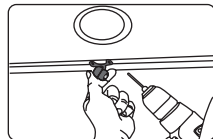
NOTE:

- If your vehicle has side curtain airbags, please be very careful when running any cables along your vehicle windows. Ensure that you are not running cables past any of the airbags as this can prevent the airbags from deploying.

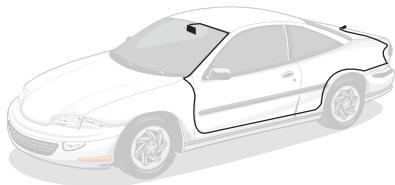
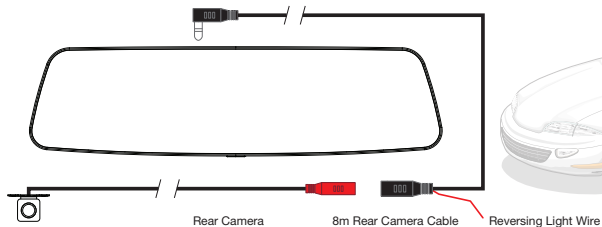
5.0 CONNECTING THE REVERSE CAMERA

5.1 INSTALLATION GUIDE

1. Select a flat and centred location near the number plate lamp at the rear of the vehicle to mount the camera.
2. Attach tape to the bracket of the camera to hold the camera in position while installing, and drill two small holes, one for the first screw, the second to run the reverse camera cable through.
3. Use a screw driver to fix the first screw, leaving the screw loose enough to adjust the camera.
4. Insert the camera wire through the intended drilled hole and check the installation position.
5. Mark the position suitable for the second screw and drill a small hole for it.
6. Fix the second screw and securely tighten both screws.



5.2 REVERSE CAMERA WIRING DIAGRAM



6.0 POWERING THE DVR MIRROR MONITOR ON/OFF

Connect the car charger to the USB power port found on the device, then connect the other end of the car charger to your car's 12V input port.

6.1 AUTO POWER ON/OFF


When the NCP-MIRDVR961 is correctly installed and connected to your vehicles' 12/24V DC power supply, the DVR Mirror Monitor will automatically power on and start recording when the car's accessories are activated. The red dot on the screen will start flashing and recording automatically. The DVR Mirror Monitor will automatically stop recording and shut down when your vehicle is powered off. To get your vehicle in Parking Monitor mode, please ensure that the function is turned on in the System Settings menu and connect with hard wire kit.

6.2 MANUAL POWER ON/OFF

MANUAL POWER ON

Press and hold the power button at the bottom of the DVR Mirror Monitor until the "**NANOCAM PLUS**" logo appears on the screen.

MANUALLY POWER OFF

If the DVR Mirror Monitor is currently recording, please manually stop the recording by touching the REC icon  on the display. Then press and hold the power button at the bottom of the NCP-MIRDVR961. After powering off the device please wait for 10 seconds before powering the DVR Mirror Monitor on again.

6.3 RESETTING THE DEVICE

If the DVR Mirror Monitor is not functioning normally, try restarting the DVR Mirror Monitor. To reset the DVR Mirror Monitor, use a flattened paper clip to press the Reset button at the top of the DVR Mirror Monitor next to the USB power port. Reset will restore the DVR Mirror Monitor to factory settings.

NOTE: BEFORE FIRST TIME USE

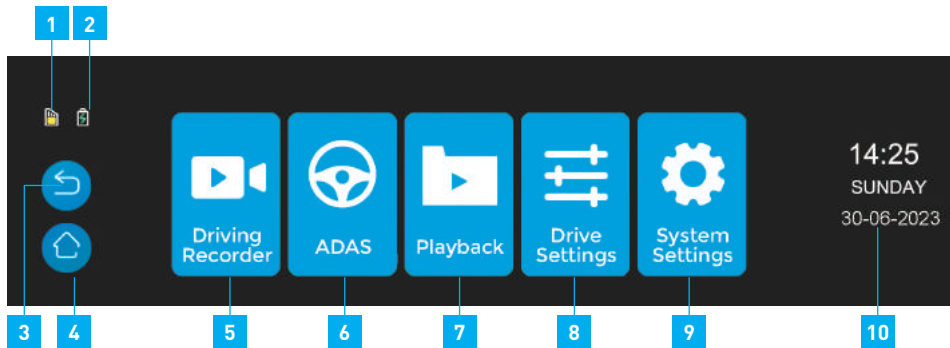
Be sure to insert the Micro SD Card before powering up the device. Format the Micro SD Card first before using it for recording.

7.0 PLAYING BACK RECORDED VIDEO ON A PC

To playback video files on your PC, it is recommended to connect the Micro SD Card (not included) directly to your PC using either a USB Micro SD Card reader (not included) or if your PC has a Micro SD Card slot, a Micro SD Card converter (not included).

Once the Micro SD Card is connected, it should appear as a removable storage device. It is recommended that you transfer video files to a folder on your computer before attempting to playback. This will reduce any delay in playback.

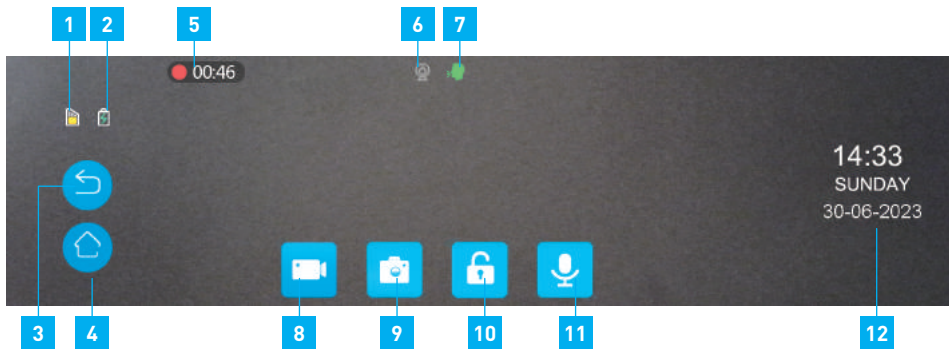
8.0 HOME INTERFACE



1. SD Card Indicator
2. Power Connected Indicator
3. Return Button
4. Home Button
5. Driving Recording Settings

6. ADAS Button
7. Recorded Files Playback
8. Driving Settings
9. System Settings
10. Time, Day and Date

9.0 DVR MIRROR MONITOR INTERFACE

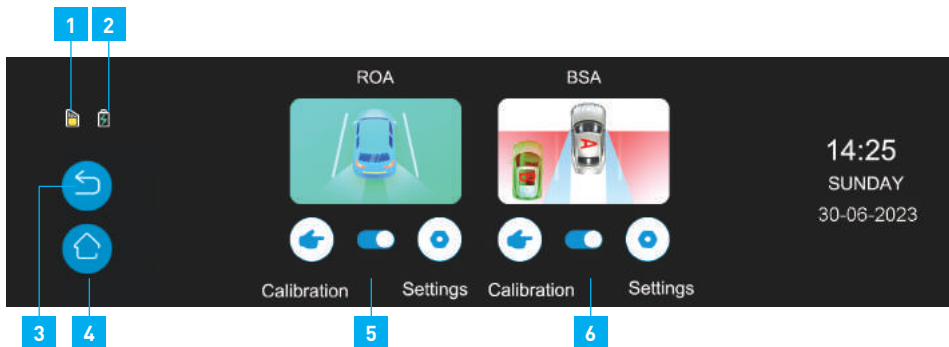


1. SD Card Indicator
2. Power Connected Indicator
3. Return Button
4. Home Button

5. Recording Icon/
Duration
6. Parking Monitor
7. Voice Control
8. Recording Start/Stop

9. Take Picture
10. Lock Recorded File
11. Microphone On/Off
12. Time, Day and Date

10.0 ADAS INTERFACE



1. SD Card Indicator
2. Power Connected Indicator
3. Return Button

4. Home Button
5. ROA (Rear Object Alert)
6. BSA (Blind Spot Assistance)

1. Touch the appropriate Function button located between Calibration and Settings of each feature to turn on/off the respective ROA and BSA.
2. Touch the appropriate Settings button to turn on/off the individual audio alerts.
3. Touch the appropriate Calibration button to calibrate settings for ROA and BSA respectively.

When both BSA and ROA functions are switched on, they will detect pedestrians and cars and mark them with different coloured boxes (**RED, YELLOW, BLUE, GREEN**). When the box is yellow or red, it is accompanied by a warning sound and the red warning mark as shown below.



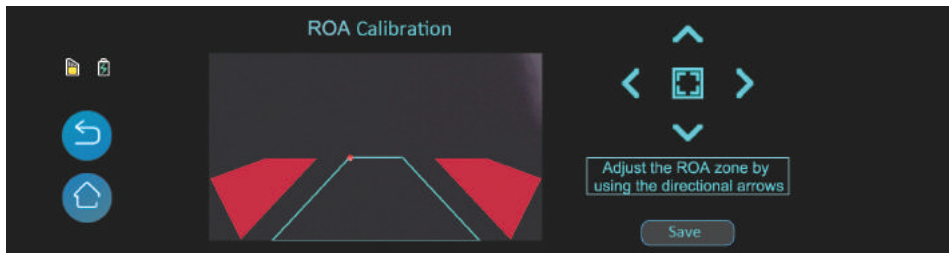


PLEASE NOTE:

- The red warning zone will not work when reverse gear is engaged.
- When either the ROA or BSA is off, the red warning zone will not be highlighted.

11.0 ROA AND BSA CALIBRATION

11.1 ROA CALIBRATION (REAR OBJECT ALERT)

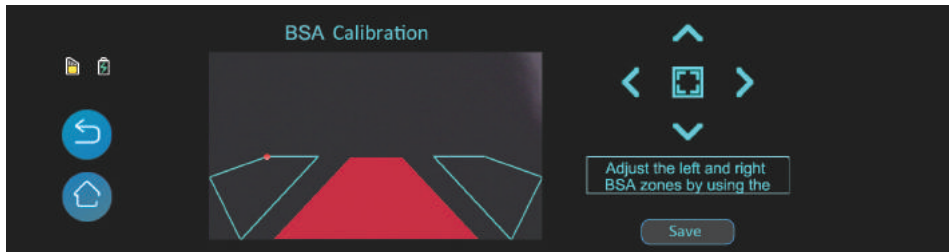


Press the Calibration button under **ROA**.

Use the directional arrows to adjust the ROA zone in the centre. You can press the centre square to select specific coordinates for adjustment.

Once done, press **SAVE** to confirm the settings.

11.2 BSA CALIBRATION (BLIND SPOT ASSISTANCE)



Press the Calibration button under **BSA**.

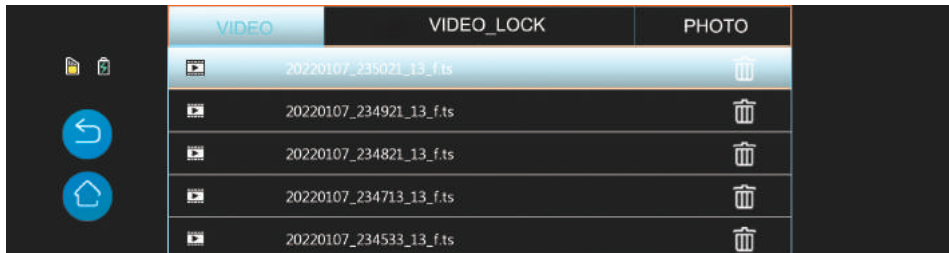
Use the directional arrows to adjust the **BSA** zones on the left and right. You can press the centre square to select specific coordinates on the left and right zones for adjustment.

Once done, press **SAVE** to confirm the settings.

12.0 FILE MANAGEMENT

Touch the File Management button to open the File Management window.

The saved files can be played back by pressing the selected file. Files triggered by the G- Sensor will be saved under **VIDEO LOCK** and the pictures under **PHOTO**.



13.0 DRIVER SETTINGS

Touch to open the sub menu for each setting and touch again to confirm settings.

Selected setting will have the tick mark next to it.

DESCRIPTION	FEATURE
Loop Recording	<p>Touch to set loop recording time. Loop recording allows you to set the duration that the camera will record before creating a new clip.</p> <p>Options: 1min / 2 mins / 3 mins</p> <p>Default: 1 min</p>
Time-Lapse	<p>To turn on/off time lapse mode. Requires a 3-wire hardwire kit. When time lapse mode is turned on and the car detects the engine is off, the recording will be done in time lapse mode. This is to save memory space when the car is parked</p> <p>Options: Off / 1sec / 2sec / 3sec</p> <p>Default: Off</p>

DRIVER SETTINGS CONT'

DESCRIPTION	FEATURE
Microphone	<p>Touch to turn on/off internal microphone. Turning off will mute the voice on the recorded footage.</p> <p>Options: Off / On</p> <p>Default: On (RED means Off)</p>
G-Sensor	<p>Touch to change the settings of the built-in G-Sensor. The G-Sensor monitors your vehicle against impact forces and will automatically protect the current recording in the event of a collision. Turn off or adjust the sensitivity of the built-in G-Sensor.</p> <p>Options: Off / Low / Medium / High</p> <p>Default: Low</p>
Parking Monitor	<p>Touch to set Parking Monitor on/off. Parking Monitor detects any activity from the built-in G-Sensor once you have parked your vehicle. If an impact is detected, the DVR Mirror Monitor will power up and record a clip.</p> <p>Options: Off / On</p> <p>Default: Off</p>

DRIVER SETTINGS CONT'

DESCRIPTION	FEATURE
Date Stamp	To stamp Date and Time on the recorded video. Options: Off / On Default: On
Non Mirror Image	Change the rear camera image on the DVR Mirror Monitor to a non-mirror image. Irrespective of the selection, this will allow the camera to record license plates correctly. Options: Off / On Default: Off
Number Plate Stamp	To input the licence plate number and change the settings to record the licence plate on the recorded videos. Options: Off / On Default: Off

14.0 SYSTEM SETTINGS

DESCRIPTION	FEATURE
Auto LCD Off	<p>Touch to change the Auto LCD Off setting. Setting the screen time out will set the time after which the screen will switch off automatically while the DVR Mirror Monitor will continue recording.</p> <p>Options: Off / 10sec / 30sec / 60sec</p> <p>Default: Off</p>
Touch Sound	<p>To turn On/Off touch sounds.</p> <p>Options: Off / On</p> <p>Default: Off</p>
Volume	<p>Touch to change the sound output from the built-in speaker. Turning off will mute the speaker.</p> <p>Options: Off / Low / Middle / High</p> <p>Default: Low</p>

SYSTEM SETTINGS CONT'

DESCRIPTION	FEATURE
Power On/Off Sound	To turn On/Off Power On/Off sound Options: Off / On Default: Off
Format Micro SD Card	To format the Micro SD Card (Not included)
Restore Factory Settings	To restore to factory settings
Date and Time	To adjust date and time
Voice Command	To turn On/Off Voice Commands Options: Off / On Default: Off
Version	To show firmware version

15.0 WARRANTY TERMS AND 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.

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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.

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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 may infect your Nanocam Plus product or software. In the event of any loss, damage or injury, you will not look to Nanocam Plus to compensate you or anyone else. You release and waive for yourself and your insurer all subrogation and other rights to recover against Nanocam Plus arising as a result of the payment of any claim for loss, damage or injury. Nanocam Plus equipment and services do not cause and cannot eliminate occurrences of

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16.0 NOTES

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