



NCP-MIRDVR

USER MANUAL

CLIP ON MIRROR MONITOR

WITH BUILT-IN DASH CAM DVR



HD
720p

HD



LCD SCREEN



G-SENSOR



PARK MODE

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Caution

- Ensure you are using your Mirror DVR within your countries' road laws. Please make sure you are familiar with your local road legislation before use.
- Avoid leaving your Mirror DVR in direct sunlight for extended periods of time in an unventilated space.
- Please set time and date before you use this device to record.
- The system is to be used only for non-commercial use, within the limits permitted by the relevant laws
- Avoid using the Mirror DVR in the vicinity of any devices that emit radio interference (eg. Microwave Ovens).
- It is considered normal operation for the Mirror DVR to get warm during use.

Battery Warning

- Always charge the Mirror DVR using the provided charger. Improper charging of the Car DVR and may result in failure of the internal battery.
- Never dismantle the Mirror DVR or expose the internal battery.
- Do not dispose of the Mirror DVR in fire.
- Dispose of the Mirror DVR observing local regulations being mindful of the internal battery.
- Do not attempt to replace or expose the internal battery.

Notes on Installation

1. It is advised that the Mirror DVR is installed on the front face of the rear view mirror.
2. Make sure that the lens is within the range of your vehicles windscreen wiper to ensure a clear view when it rains.
3. Do not touch the lens with your fingers. Finger prints left on the lens will result in unclear videos or photos. If photos or videos are blurred, please clean the lens gently with a microfiber cloth.
4. Only use the included charging cable to power the Car DVR.

1. Introduction

Thank you for purchasing a NanoCam Plus Mirror Monitor with Built-In DVR. We are certain that our product will give you troublefree 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, 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

1.1 Features

- Recording full high definition 720P footage at 30 frames per second.
- 4.3" colour screen
- 120° wide angle lens
- Emergency recording saves your footage when an impact is detected
- Supports Micro SD cards, class 6 and above up to 32GB

1.2 Package Contents

Mirror DVR



12v Adapter

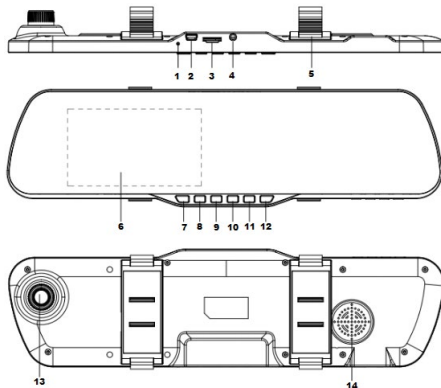


Rubber Fasteners



1.3 Product Overview

- | | |
|------------------------|-------------------|
| 1. Reset Button | 8. Menu Button |
| 2. Mini USB Power Port | 9. Mode Button |
| 3. Micro SC Card Slot | 10. Up Button |
| 4. AV out | 11. Rec/OK Button |
| 5. Fastening clips | 12. Down Button |
| 6. 4.3" display | 13. Camera Lens |
| 7. Power Button | 14. Speaker |



2. Getting Started

2.1 Inserting Memory Card

With the Mirror DVR turned off and the screen facing towards you insert the memory card with the text on the Micro SD card facing away from you. Push the memory card in until a click is heard.

To remove the memory card

Ensure that the Car DVR is powered off, then push the memory card until a click is heard and then release the card to eject.

Note:

1. Do not remove or insert the memory card while the Car DVR is turned on as this may damage the memory card or corrupt the memory cards stored data.
2. Please use a Class 6 or higher rated micro SD card with a maximum capacity of 32GB.
3. Please format the Micro SD card before the initial use.
4. When removing the memory card, be careful as the card may eject quickly.

2.2 Installing the Clip On Mirror DVR

1. Loop the rubber fasteners over the top fastener clips.
2. Put the Mirror DVR in position on the front face of your existing rear view mirror ensuring that the camera lens clears the edge of your rear view mirror.
3. Loop the bottom rubber fasteners over the bottom fastener clips.

2.2.1 Adjust the field of view

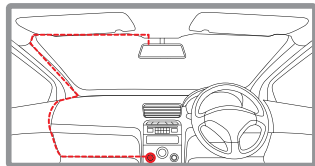
1. Use the camera lens on the rear of the Mirror DVR to move the camera field of view to the desired position.

2.2.2 Connecting to Power

1. Only use the included charger to power and charge the Mirror DVR.
2. Once the Mirror DVR is securely installed on your vehicles rear view mirror, plug the 12v charger into your vehicles cigarette lighter.
3. Run the cable along your vehicles console and windscreen and plug the USB Mini plug into the Mirror DVR.

Note:

1. Make sure that the cameras view is not obstructed by any window tint or any other objects.



2.3 LED Indicator

STATUS EXPLANATION	LED INDICATOR COLOUR
Battery Charging	Solid RED Light
Power on, Battery Fully Charged	Solid BLUE Light
Power on, Recording	Flashing BLUE light

2.4 Powering the Mirror DVR On/Off

2.4.1 Auto Power On/Off

When the Mirror DVR is correctly installed and connected to your vehicles 12v power supply, the Mirror DVR will automatically power up and start recording when the cars accessories are activated and power down when accessories are switched off.

2.4.2 Manual Power On/Off and Reset

2.4.2.1 Manual Power On

Hold the Power button on the front of the Mirror until the Nano Cam Plus start up screen appears.

2.4.2.2 Power Off

Make sure that recording has been stopped and then hold the Power button on the front of the Mirror DVR. After powering down the device please wait for 10 seconds before turning the Car DVR back on.

2.4.2.3 Reset the Device

If the Car DVR does not function normally, try restarting the car DVR. To restart the car DVR with a flattened paper clip, press the small button on the top of the Mirror DVR next to the Mini USB port.

2.5 Playing back 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 SD card slot, a Micro SD/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 that you want to playback to a folder on your computer before attempting to playback. This will reduce any delay in playback.

2.6 Initial Settings

Before using the Mirror DVR we recommend **Formatting the Inserted Micro SD Card** and **Setting the Time and Date**.

2.6.1 Formatting the Inserted Micro SD Card

Formatting the Micro SD card will delete all information on the inserted Micro SD Card and prepare the card for use with the Car DVR.

1. Press the **REC** Button to stop the Car DVR from recording.
2. Press the **MENU** Button to enter the **Video Menu**.
3. Press the **MENU** Button again to enter the **Settings Menu**.
4. Use the **▲** and **▼** Buttons to navigate the **Settings Menu** and highlight the **Format** setting and press **REC** to select.
5. Select OK to confirm and press the **REC** Button.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. **Formatting your Micro SD Card** will delete all file from the card. Once these files have been deleted you will not be able to recover them.

2.6.2 Set Date / Time

Setting the Time and Date allows you to stamp your footage with the time as a reference.

1. Press the **REC** Button to stop the Car DVR from recording.
2. Press the **MENU** Button to enter the **Video Menu**.
3. Press the **MENU** Button again to enter the **Settings Menu**.
4. Use the **▲** and **▼** Buttons to navigate the **Settings Menu** and highlight the **Date/Time** setting and presse **REC** to select.
5. Use the **▲** and **▼** buttons to edit the selected digit and the **REC** button to confirm and progress to the next digit. The final field sets the format that the date will be presented in.
6. To save the date and time, press the **MENU** Button.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. Once the time and date is set it can be stamped onto your footage using the Date Stamp setting. Please see section Date Stamp for more details.

2.7 Using the Mirror DVR

2.7.1 Recording Video

When the Mirror DVR is connected to your vehicles 12v power supply, the Mirror DVR will automatically power up and begin recording when you start your vehicle. During the start up the buttons will be unresponsive and the camera will take a moment to begin recording. The Mirror DVR will automatically stop recording and shutdown when your vehicle is powered off.

Note:

1. Because of how some vehicles are wired, the recording may continue when the engine is switched off. If this happens, please manually turn off the Mirror DVR or remove the car adapter from the cigarette lighter when not in use.
2. The **recording loop length** can be configured to save a video file for every 3 or 5 minutes of recording. For information on how to adjust this setting please refer to the Loop Recording section of this manual.
3. The device saves the recorded footage and Photos on to the inserted Micro SD Card. If the memory card capacity is full, the oldest file in the memory card will be overwritten.

2.7.2 Locked Recording

Locked Recording saves the current video file and protects it from being overwritten. To manually start a Locked Recording follow the instructions below.

1. During recording push the **MENU** button.
2. To unlock the footage, press the **MENU** button again.
3. To stop recording press the **REC** button again.

Note:

1. If the **G Sensor** function is enabled and a collision is detected, the device will automatically trigger the emergency recording and protect the current video file. Please refer to the section titled G Sensor.
2. The emergency recording file is created as a new file, which will be protected to avoid being overwritten by normal loop recording. If the inserted Micro SD Card fills up with Emergency Recording files the message "SD Card Full" will appear on the screen, and the oldest emergency file will be automatically deleted when a new emergency recording file is created.

2.7.3 Recording Screen



Number	Icon	Item	Description
1		Recording Indicator	The Record Indicator will flash when the Car DVR is Recording
2		Mode	Mode shows whether you are in Video mode or Photo mode
3		Loop	Shows the duration of the loop clips
4		Motion Detection	The Motion Detection Icon will appear when Motion detection is activated
5		Exposure	Shows the current exposure setting
6		Microphone	Shows if the microphone is muted or recording
7		Wide Dynamic Range	The WDR icon will appear when the Wide Dynamic Range setting is active
8		Day/Night Mode	Will show a sun or moon icon indicating if the LCD light is activated or not
9		Gravity Sensing	Icon shows the current Gravity Sensitivity
10		Recording duration	Shows the current recording duration
11		Resolution	Shows the current set resolution
12		Memory card	The Memory Card icon shows when a Micro SD Card is installed
13		Date	Shows the current date
14		Time	Shows the current time
15		Battery	Shows the battery level
16		Emergency Recording	Shows when the Gravity Sensing function has been triggered

2.7.4 Video Mode

When the Mirror DVR is powered up the video screen will start by default. In this screen recording will automatically start and can be stopped by pressing the **REC** Button. To access the Video Menu, ensure that the Mirror DVR is not recording then press the **MENU** button.

2.8 Video Menu

2.8.1 Resolution

Resolution sets the video quality. Higher resolution video will capture more detail and will also produce larger files. To change the recording resolution, please follow the instructions below.

1. Press the **REC** Button to stop the Car DVR from recording.
2. Press the **MENU** Button to enter the **Video Menu**.
3. Use the **A** and **V** Buttons to navigate the **Video Menu** and highlight the **Resolution** setting and press **REC** to select.
4. Use the **A** and **V** Buttons to highlight your required resolution, then press the **REC** button to confirm your selection.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. Higher resolution clips will create larger files which will fill the Micro SD Card faster.

2.8.2 Loop Recording

Loop recording allows you to set the duration that the camera will record before creating a new clip. To set the clip length please follow the instructions below.

1. Press the **REC** Button to stop the Car DVR from recording.
2. Press the **MENU** Button to enter the **Video Menu**.
3. Use the **A** and **V** Buttons and highlight the **Loop Recording** setting and press **REC** to select.
4. Use the **A** and **V** Buttons to highlight your required clip length, then press the **REC** button to confirm your selection.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. Selecting the OFF option will create the longest possible clip, in most cases depending on the set resolution and other factors this will be limited to 10MB.
3. To avoid filling the card quickly it is advised to use the 2 or 3 minute options.

2.8.3 Exposure

Exposure is used to manually control the light sensitivity settings. To change the Exposure setting follow the instructions below.

1. Press the **REC** Button to stop the Car DVR from recording.
2. Press the **MENU** Button to enter the **Video Menu**.
3. Use the **▲** and **▼** Buttons and highlight the **Exposure** setting and press **REC** to select.
4. Use the **▲** and **▼** Buttons to highlight your required **Exposure** setting, then press the **REC** button to confirm your selection.

Note:

1. Menu cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.

2.8.4 Motion Detection

Motion detection is used to pause recording when no motion is detected in front of the camera. To activate the Motion Detection setting follow the instructions below.

1. Press the **REC** Button to stop the Car DVR from recording.
2. Press the **MENU** Button to enter the **Video Menu**.
3. Use the **▲** and **▼** Buttons to navigate the **Video Menu** and highlight the **Motion Detection** setting and press **REC** to select.
4. Use the **▲** and **▼** Buttons to highlight either OFF or ON, then press the **REC** button to confirm your selection.

Note:

1. Menu cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.

2.8.5 Recording Audio

The Recording Audio setting allows you to mute the microphone during recording. To set your recording preferences, please follow the instructions below.

1. Press the **REC** Button to stop the Car DVR from recording.
2. Press the **MENU** Button to enter the **Video Menu**.
3. Use the **▲** and **▼** Buttons to navigate the **Video Menu** and highlight the **Recording Audio** setting and press **REC** to select.
4. Use the **▲** and **▼** Buttons to highlight either OFF or ON, then press the **REC** button to confirm your selection.

Note:

1. Menu cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.

2.8.6 Date Stamp

Date stamp will stamp the current date onto the footage for future reference. To set the date stamp please follow the instructions below.

1. Press the **REC** Button to stop the Car DVR from recording.
2. Press the **MENU** Button to enter the **Video Menu**.
3. Use the **▲** and **▼** Buttons to navigate the **Video Menu** and highlight the **Date Stamp** setting and press **REC** to select.
4. Use the **▲** and **▼** Buttons to highlight either OFF or ON, then press the **REC** button to confirm your selection.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. For **date stamp** to be correct the time and date must be set first. To set the time and date please see section **Date/Time**.

2.8.7 G Sensor

The **G Sensor** defines the required force needed to trigger emergency recording. Once Emergency recording is triggered in the case of an incident or impact the current recording will be automatically protected from being saved over by the normal loop recording. To set the required sensitivity please follow the instructions below.

1. Press the **REC** Button to stop the Car DVR from recording.
2. Press the **MENU** Button to enter the **Video Menu**.
3. Use the **▲** and **▼** Buttons to navigate the **Video Menu** and highlight the **G Sensor** setting and press **REC** to select.
4. Use the **▲** and **▼** Buttons to highlight your required sensitivity, then press the **REC** button to confirm your selection.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. If your memory card is filling up quickly you may need to lower the sensitivity of the **G Sensor (Gravity Sensor)** to decrease the number of triggers caused by normal driving.

2.8.8 Key Beeps

The **Key Beeps** setting is used to turn Off or On the beep that indicates a key press. To adjust the key beep settings, follow the instructions below.

1. Press the **REC** Button to stop the Car DVR from recording.
2. Press the **MENU** Button to enter the **Video Menu**.
3. Use the **▲** and **▼** Buttons to navigate the **Video Menu** and highlight the **Key Beeps** setting and press **REC** to select.
4. Use the **▲** and **▼** Buttons to highlight either OFF or ON, then press the **REC** button to confirm your selection.

Note:

1. Menu cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.

2.8.9 Parking Mode

The **Parking mode** setting is used to activate a recording after you have parked your vehicle. To adjust the key beep settings, follow the instructions below.

1. Press the **REC** Button to stop the Car DVR from recording.
2. Press the **MENU** Button to enter the **Video Menu**.
3. Use the **▲** and **▼** Buttons to navigate the **Video Menu** and highlight the **Parking Mode** setting and press **REC** to select.
4. Use the **▲** and **▼** Buttons to highlight either OFF or ON, then press the **REC** button to confirm your selection.

Note:

1. Menu cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.

2.9 Number Plate

Number Plate will stamp your vehicles number plate onto the footage for reference. To set the Number Plate setting please follow the instructions below.

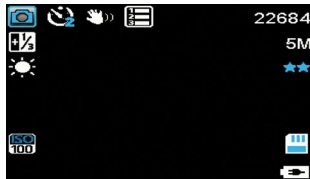
1. Press the **REC** Button to stop the Car DVR from recording.
2. Press the **MENU** Button to enter the **Video Menu**.
3. Use the **▲** and **▼** Buttons to navigate the **Video Menu** and highlight the **Number Plate** setting and press **REC** to select.
4. Use the **MODE** button to switch between letters and numbers and the **▲** and **▼** Buttons to select cycle through the selected output. The **REC** button is used to select the required character.
5. When you have finished inputting your vehicles number plate, use the **MODE** button to select "OK" and press the **REC** button.

Note:

1. Menu cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. For date stamp to be correct the time and date must be set first. To set the time and date please see section **Date/Time**.

3. Photo Mode

This screen is used to capture still images using your Clip on Mirror DVR. To access the Photo screen ensure that the camera is not recording and press the **MODE** button. Photo mode also has a menu which is used to edit the photo settings. This menu can be accessed by pressing the **MENU** in the Photo Screen.



3.1 Photo Menu

3.1.1 Timer

The Timer setting is used to set a delayed timer. To set a timer delay follow the instructions below.

1. Enter the Photo screen.
2. Press the **MENU** Button to enter the **Photo Menu**.
3. Use the **▲** and **▼** Buttons to navigate the **Photo Menu** and highlight the **Timer** setting and press **REC** to select.
4. Use the **▲** and **▼** Buttons to highlight your required timer delay, then press the **REC** button to confirm your selection.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. This setting can only be accessed through the **Photo Menu**, please make sure that you are in the **Photo screen** when you access the menu.

3.1.2 Resolution

Resolution sets the still image quality. Higher resolution image will capture more detail and will also produce larger files. To change the photo resolution, please follow the instructions below.

1. Enter the Photo screen.
2. Press the **MENU** Button to enter the **Photo Menu**.
3. Use the **▲** and **▼** Buttons to navigate the **Photo Menu** and highlight the **Resolution** setting and press **REC** to select.
4. Use the **▲** and **▼** Buttons to highlight your required resolution, then press the **REC** button to confirm your selection.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. This setting can only be accessed through the **Photo Menu**, please make sure that you are in the **Photo screen** when you access the menu.

3.1.3 Sequence

When **Sequence** is activated, a sequence of 3 photos is taken when a photo is triggered. To activate or deactivate Sequence mode, follow the instructions below.

1. Enter the Photo screen.
2. Press the **MENU** Button to enter the **Photo Menu**.
3. Use the **▲** and **▼** Buttons to navigate the **Photo Menu** and highlight the **Sequence** setting and press **REC** to select.
4. Use the **▲** and **▼** Buttons to highlight either OFF or ON, then press the **REC** button to confirm your selection.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. This setting can only be accessed through the **Photo Menu**, please make sure that you are in the **Photo screen** when you access the menu.

3.1.4 Quality

Quality sets the still image detail. Higher quality images will capture more detail and will also produce larger files. To change the recording resolution, please follow the instructions below.

1. Enter the Photo screen.
2. Press the **MENU** Button to enter the **Photo Menu**.
3. Use the **▲** and **▼** Buttons to navigate the **Photo Menu** and highlight the **Quality** setting and press **REC** to select.
4. Use the **▲** and **▼** Buttons to highlight your required quality, then press the **REC** button to confirm your selection.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. This setting can only be accessed through the **Photo Menu**, please make sure that you are in the **Photo screen** when you access the menu.

3.1.5 Sharpness

Sharpness sets the boldness of the still image. Images with a stronger sharpness will create bolder images with stronger outlines. To change the photo Sharpness, please follow the instructions below.

1. Enter the Photo screen.
2. Press the **MENU** Button to enter the **Photo Menu**.
3. Use the **▲** and **▼** Buttons to navigate the **Photo Menu** and highlight the **Sharpness** setting and press **REC** to select.
4. Use the **▲** and **▼** Buttons to highlight your required sharpness, then press the **REC** button to confirm your selection.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. This setting can only be accessed through the **Photo Menu**, please make sure that you are in the **Photo screen** when you access the menu

3.1.6 White Balance

The White Balance setting is used to manually adjust the settings used to counteract different light conditions. This setting is set to Auto by default. To change the White Balance setting follow the instructions below.

1. Enter the Photo screen.
2. Press the **MENU** Button to enter the **Photo Menu**.
3. Use the **▲** and **▼** Buttons to navigate the **Photo Menu** and highlight the **White Balance** setting and press **REC** to select.
4. Use the **▲** and **▼** Buttons to highlight your required setting, then press the **REC** button to confirm your selection.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. This setting can only be accessed through the **Photo Menu**, please make sure that you are in the **Photo screen** when you access the menu.

3.1.7 Colour

The Colour setting is used to set the colour palette. To change the Colour setting follow the instructions below.

1. Enter the Photo screen.
2. Press the **MENU** Button to enter the **Photo Menu**.
3. Use the **▲** and **▼** Buttons to navigate the **Photo Menu** and highlight the **Colour** setting and press **REC** to select.
4. Use the **▲** and **▼** Buttons to highlight your required Colour setting, then press the **REC** button to confirm your selection

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. This setting can only be accessed through the **Photo Menu**, please make sure that you are in the **Photo screen** when you access the menu.

3.1.8 Exposure

Exposure is used to manually control the light settings. To change the Exposure setting follow the instructions below.

1. Enter the Photo screen.
2. Press the **MENU** Button to enter the **Photo Menu**.
3. Use the **▲** and **▼** Buttons to navigate the **Photo Menu** and highlight the **Exposure** setting and press **REC** to select.
4. Use the **▲** and **▼** Buttons to highlight your required Exposure setting, then press the **REC** button to confirm your selection.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. This setting can only be accessed through the **Photo Menu**, please make sure that you are in the **Photo screen** when you access the menu

3.1.9 ISO

ISO is used to manage how much light is let into the image sensor. Setting a higher ISO will let in more light and blurred movement and lower ISO will capture less movement and less light. To change the ISO setting follow the instructions below.

1. Enter the Photo screen.
2. Press the **MENU** Button to enter the **Photo Menu**.
3. Use the **▲** and **▼** Buttons to navigate the **Photo Menu** and highlight the **ISO** setting and press **REC** to select.
4. Use the **▲** and **▼** Buttons to highlight your required ISO setting, then press the **REC** button to confirm your selection.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. This setting can only be accessed through the **Photo Menu**, please make sure that you are in the **Photo screen** when you access the menu.

3.1.2.0 Anti Shaking

The Anti Shaking setting uses the on board chipset to correct some of the blur caused by handheld photography. To enable Anti Shaking follow the instructions below.

1. Enter the Photo screen.
2. Press the **MENU** Button to enter the **Photo Menu**.
3. Use the **▲** and **▼** Buttons to navigate the **Photo Menu** and highlight the **Anti Shaking** setting and press **REC** to select.
4. Use the **▲** and **▼** Buttons to highlight either OFF or ON, then press the **REC** button to confirm your selection.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. This setting can only be accessed through the **Photo Menu**, please make sure that you are in the **Photo screen** when you access the menu.

3.1.2.1 Quick Review

Quick review displays the photo on screen for the set amount of time after the photo has been taken. To change the Quick Review setting follow the instructions below.

1. Enter the Photo screen.
2. Press the **MENU** Button to enter the **Photo Menu**.
3. Use the **▲** and **▼** Buttons to navigate the **Photo Menu** and highlight the **Quick Review** setting and press **REC** to select.
4. Use the **▲** and **▼** Buttons to highlight your required image display time setting, then press the **REC** button to confirm your selection.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. This setting can only be accessed through the **Photo Menu**, please make sure that you are in the **Photo screen** when you access the menu

3.1.2.2 Date Stamp

Date stamp is used to stamp your photos with the time and date that they are taken. To select your preferred time and date format follow the instructions below.

1. Enter the Photo screen.
2. Press the **MENU** Button to enter the **Photo Menu**.
3. Use the **▲** and **▼** Buttons to navigate the **Photo Menu** and highlight the **Date Stamp** setting and press **REC** to select.
4. Use the **▲** and **▼** Buttons to highlight either Date, Date/Time or On, then press the **REC** button to confirm your selection.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. This setting can only be accessed through the Photo Menu, please make sure that you are in the Photo screen when you access the menu.
3. The **Date Stamp** setting is not used to set the cameras internal clock. To set the time follow the instructions **Date/Time** in the settings section.

3.2 Setting Menu

This menu is used to edit the cameras operational settings. This menu can be accessed through either the **Video** or **Photo** menu by pressing the **MENU** whilst in either of these menus. While in this menu the **▲** and **▼** buttons are used to navigate and the **REC** button to select the highlighted setting.

3.2.1 Setting the Date/Time

Setting the Time and Date allows you to stamp your footage with the time as a reference.

1. Press the **REC** Button to stop the Car DVR from recording.
2. Press the **MENU** Button to enter the **Video Menu**.
3. Press the **MENU** Button again to enter the **Settings Menu**.
4. Use the **▲** and **▼** Buttons to navigate the **Settings Menu** and highlight the **Set Date/Time** setting and press **REC** to select.
5. Use the **▲** and **▼** buttons to edit the selected digit and the **REC** button to confirm and progress to the next digit. The final field sets the format that the date will be presented in.
6. To save and exit the time and date, press the **MENU** button.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. Once the time and date is set it can be stamped onto your footage using the **Date Stamp** setting. Please see section **Date Stamp (3.1.2.2)** for more details.

3.2.2 Auto Power Off

Auto Power Off is used to set the duration of inactivity before the camera will power down. To set **Auto Power Off** follow the instructions below.

1. Press the **REC** Button to stop the Car DVR from recording.
2. Press the **MENU** Button to enter the **Video** or **Menu**.
3. Press the **MENU** Button again to enter the **Settings Menu**.
4. Use the **▲** and **▼** Buttons to navigate the **Settings Menu** and highlight the **Auto Power Off** setting and press **REC** to select.
5. Use the **▲** and **▼** Buttons to highlight the required duration of inactivity required to power down, then press the **REC** button to confirm your selection.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. This setting can only be accessed through the **Settings Menu** which can be accessed via the **Video and Photo Menus**.

3.2.3 Language

The Language setting is used to select your preferred Language in the menus. To set the systems language follow the instructions below.

1. Press the **REC** Button to stop the Car DVR from recording.
2. Press the **MENU** Button to enter the **Video** or **Menu**.
3. Press the **MENU** Button again to enter the **Settings Menu**.
4. Use the **▲** and **▼** Buttons to navigate the **Settings Menu** and highlight the **Language** setting and press **REC** to select.
5. Use the **▲** and **▼** Buttons to highlight your preferred language, then press the **REC** button to confirm your selection.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. This setting can only be accessed through the **Settings Menu** which can be accessed via the **Video and Photo Menus**.

3.2.4 Frequency

The Frequency setting is used to set the cameras frequency. To adjust the frequency, follow the instructions below.

1. Press the **REC** Button to stop the Car DVR from recording.
2. Press the **MENU** Button to enter the **Video** or **Menu**.
3. Press the **MENU** Button again to enter the **Settings Menu**.
4. Use the **▲** and **▼** Buttons to navigate the **Settings Menu** and highlight the **Frequency** setting and press **REC** to select.
5. Use the **▲** and **▼** Buttons to highlight your preferred Frequency, then press the **REC** button to confirm your selection.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. This setting can only be accessed through the **Settings Menu** which can be accessed via the **Video and Photo Menus**.

3.2.5 Screen Saver

The screen saver setting is used to set the duration of inactivity of the camera before the screen goes into sleep mode. To set the screen saver follow the instructions below.

1. Press the **REC** Button to stop the Car DVR from recording.
2. Press the **MENU** Button to enter the **Video** or **Menu**.
3. Press the **MENU** Button again to enter the **Settings Menu**.
4. Use the **▲** and **▼** Buttons to navigate the **Settings Menu** and highlight the **Screen Saver** setting and press **REC** to select.
5. Use the **▲** and **▼** Buttons to highlight your preferred duration of activity, then press the **REC** button to confirm your selection.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. This setting can only be accessed through the **Settings Menu** which can be accessed via the **Video and Photo Menus**.
3. Even when the screensaver is activated and the screen goes into sleep mode, the camera will continue recording.

3.2.6 Image Rotate

The Image Rotate setting is used to flip the footage upside down. To invert the footage, follow the instructions below.

1. Ensure the Mirror DVR is not recording.
2. Press the **MENU** Button to enter the **Video** or **Menu**.
3. Press the **MENU** Button again to enter the **Settings Menu**.
4. Use the **▲** and **▼** Buttons to navigate the **Settings Menu** and highlight the **Image Rotation** setting and press **REC** to select.
5. Use the **▲** and **▼** Buttons to highlight your preferred image rotation, then press the **REC** button to confirm your selection.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. This setting can only be accessed through the **Settings Menu** which can be accessed via the **Video and Photo Menus**.

3.2.7 Format

Formatting the Micro SD card will delete all information on the inserted Micro SD Card and prepare the card for use with the Car DVR.

1. Ensure the Mirror DVR is not recording.
2. Press the **MENU** Button to enter the **Video** or **Menu**.
3. Press the **MENU** Button again to enter the **Settings Menu**.
4. Use the **▲** and **▼** Buttons to navigate the **Settings Menu** and highlight the **Format** setting and press **REC** to select.
5. Press the **REC** button.
6. Use the **▲** and **▼** Buttons to highlight your preferred image rotation, then press the **REC** button to confirm your selection.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. Formatting your Micro SD Card will delete all files from the card. Once these files have been deleted you will not be able to recover them.

3.2.8 Default Settings

Default Settings is used to revert the Mirror DVRs settings to their default settings. To reset the camera to restore the default settings, please follow the instructions below.

1. Ensure the Mirror DVR is not recording.
2. Press the **MENU** Button to enter the **Video or Menu**.
3. Press the **MENU** Button again to enter the **Settings Menu**.
4. Use the **▲** and **▼** Buttons to navigate the **Settings Menu** and highlight the **Default Settings** setting and press **REC** to select.
5. Use the **▲** and **▼** Buttons to highlight your preferred image rotation, then press the **REC** button to confirm your selection.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. This setting can only be accessed through the **Settings Menu** which can be accessed via the **Video and Photo Menus**.

3.3 Playback Screen

This screen is used to playback photos and videos. To access the Playback screen ensure that the camera is not recording and press the **MODE** button. This will send the camera to the photo screen. While in the Photo and press the **MODE** button again which will bring you to the Playback Screen. In this screen the **▲** and **▼** buttons are used to cycle through the recorded videos and photos and the **REC** button is used to play and pause videos. In the **Playback Screen** photos and videos can also be locked and deleted via the Playback Menu. This menu can be accessed by pressing the **MENU** button in the Photo Screen.

3.3.1 Deleting Photos and Videos

To delete an unlocked photo or video follow the instructions below.

1. Navigate to the playback screen using the instructions in the section labelled **Playback Screen**.
2. In the **Playback Screen** use the **▲** and **▼** buttons to select the photo or video that you want to delete (if you want to delete all unlocked photos and videos select any unlocked Photo or Video).
3. Press the **MENU** button to enter the Playback Menu and use the **▲** and **▼** buttons to select the Delete setting and press the **REC** button.
4. Use the **▲** and **▼** buttons to select either Delete All, which will delete all unlocked photos and videos, or Delete Current which will delete the selected photo or video.
5. Press the **REC** button to confirm the deletion.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. You will only be able to delete videos that have not been protected by a **G Sensor**.
3. To unlock protected files please follow the directions given in the section marked in the section marked **Protect Photos and Videos (3.3.2)**.
4. To easily delete all files on the inserted Micro SD Card, please follow the instructions given in the section marked **Format (3.2.7)**.

3.3.2 Locking and Unlocking Photos and Videos

To Lock or Unlock photos or videos from being deleted, please follow the instructions below.

1. Navigate to the playback screen using the instructions in the section labelled **Playback Screen**
2. In the Playback Screen use the **▲** and **▼** buttons to select the photo or video that you want to lock or unlock (if you want to lock or unlock all photos and videos select any Photo or Video).
3. Press the **MENU** button to enter the Playback Menu and use the **▲** and **▼** buttons to select the Protect setting and press the **REC** button.
4. Use the **▲** and **▼** buttons to select either **Unlock All**, which will unlock all photos and videos, **Unlock One** to unlock the currently selected photo or video, **Lock All** to lock all videos and photos to protect them from deletion, or **Lock One** to lock the currently selected file to protect the currently selected photo or video from deletion.
5. Select OK and press the **REC** button to confirm your selection.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
2. To easily delete all files on the inserted Micro SD Card, please follow the instructions given in the section marked **Format (3.2.7)**.

3.3.3 Playback Volume

To set the video playback volume, please follow the instructions below.

1. Navigate to the playback screen using the instructions in the section labelled **Playback Screen**.
2. Press the **MENU** button to enter the **Playback Menu** and use the **▲** and **▼** buttons to select the **Volume** setting.
3. Use the **▲** and **▼** buttons to select your preferred volume setting.
4. Press the **REC** button to confirm your selection.

Note:

1. Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.

4.0 Menu Tables

Video	Resolution	1080FHD 1920x1080 720P 1280x720 WVGA 848x480 VGA 640x480	
	Loop recording	Off	3 Minutes
		1 Minute	5 Minutes
	Exposure	+2.0	-1/3
		+5/3	-2/3
		+4/3	-1.0
		+1.0	-4/3
		+2/3	-5/3
		+1/3	-2.0
		+0.0	
	Motion Detection	Off	On
	Recording Audio	Off	On
	Date Stamp	Off	On
Gravity Sensing	High	Low	
	Medium	Off	
Number Plate	Enter Number Plate		

Photo	Capture Mode	Single	55 Timer
		2S Timer	10S Timer
	Resolution	12M 4032x3024	3M 2048x1536
		10M 3648x2736	2MHD 1920x1080
		8M 3264x2448	VGA 640x480
		5M 2592x1944	1.3 1280x960
	Sequence	Off	On
	White Balance	Auto	Tungsten
		Daylight	Fluorescent
		Cloudy	
	Colour	Color	Sepia
		Black & White	
	ISO	Auto	200
		100	400
	Exposure	+2.0	-1/3
		+5/3	-2/3
		+4/3	-1.0
		+1.0	-4/3
		+2/3	-5/3
+1/3		-2.0	
+0.0			
Anti Shaking	Off	On	
Quick Review	Off	2 Seconds	
	5 Seconds		
Date	Off	Date	
	Date/Time		

Warranty Terms & Conditions

Our goods come with guarantees that cannot be excluded under the Australian & New Zealand 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 & New Zealand Consumer Law.

NanoCam Plus 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 NanoCam Plus.

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 NanoCam Plus. NanoCam Plus 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 NanoCam Plus, will be borne by you.

NanoCam Plus Address: 44 Translink Drive, Keilor Park Victoria Australia 3042

Ph: +61 03 8331 4800

Email: info@nanocamplus.com.au



www.nanocamplus.com.au
www.nanocamplus.co.nz

