



Hema

HM-DVR22

Dual Channel Dash Camera with 3.2" IPS Screen



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User Manual

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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 is normal for the Dash Camera to get warm during use.

2.0 BATTERY WARNING

- Always power the Dash Camera using the provided charger or hardware kit.
- Never dismantle the Dash Camera.
- Do not dispose of the Dash Camera in fire.
- Dispose the Dash Camera in accordance with local regulations.

3.0 NOTES ON MICRO SD CARD

This Dash Camera can only be used with Micro SD Cards, Class 10 or above with 32GB - 128 GB storage capacity (Micro SD card is not included and needs 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 Hema DVR App and connect your Dash Camera with the downloaded app by following the steps as mentioned on "15.2 Formatting The Inserted Micro SD Card" on page 32.

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 windscreen.
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 Hema Dash Camera. We have designed this product for 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.hema.com.au or www.hema.co.nz

5.0 PACKAGE CONTENTS



HM-DVR22
Dash Cam



1080P Internal Rear
Camera



6m Rear Camera
Cable



Electrostatic
Film x2



Spare 3M
Adhesive x1



12V/24V
Adaptor



3M Adhesive
Sticker



User
Manual

6.0 PRODUCT OVERVIEW

FRONT CAMERA (FIG. 1)

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

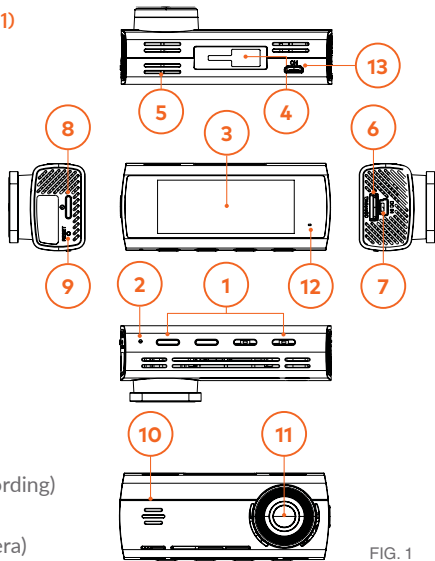


FIG. 1

REAR CAMERA (FIG. 2)

1. Micro USB Connector (Connect to Front Camera)
2. Adhesive Sticker
3. Camera Lens
4. Mirror Image Switch

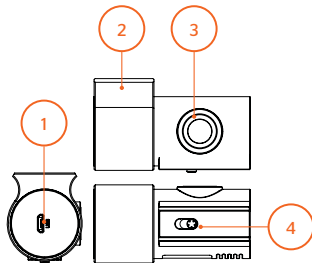
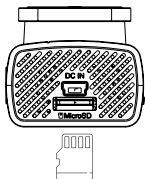


FIG. 2

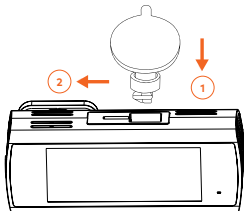
7.0 BEFORE INSTALLING YOUR DASH CAMERA

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.

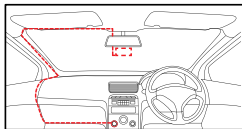
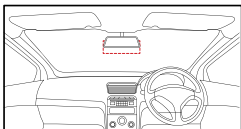
8.0 INSTALLATION INSTRUCTIONS

8.1 HM-DVR22 INSTALLATION

1. **OPTIONAL:** The electrostatic film helps for easy removal of the Dash Camera from the windshield and is included in package contents.

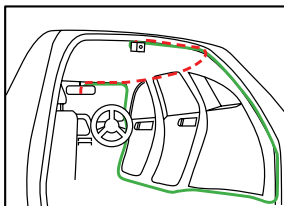
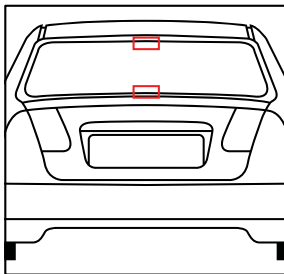
Select the electrostatic film from the box and install it on the front windshield in the recommended position as shown. Please wipe the glass before installation and push out any air bubbles between the static film and the glass before installation.

2. Remove the protective film from the HM-DVR22 mounting bracket and position the Dash Camera in the middle of the electrostatic film. Press down the base of the bracket by hand for 30 seconds to ensure that the adhesive is attached to the electrostatic film, and adjust the camera until its lens is capturing the entire road.
3. Run the Dash Camera charging cable along the top of the front windshield through the A-pillar and around and under glove box to the car's 12V/24V adaptor port. Connect the 12V/24V adaptor to the car power.



8.2 REAR CAMERA INSTALLATION

1. Install the electrostatic film on the rear windscreen in one of the recommended positions as shown in the diagram. Please wipe and clean the windscreen before installation and push out any air bubbles between the electrostatic film and the glass.
2. Remove the protective film from the rear camera bracket and select either the top or bottom of the rear windscreen to position the rear camera.
3. Press down the base of the bracket by hand for about 30 seconds to ensure that the adhesive sticker is properly attached to the electrostatic film.
4. Connect the rear camera to the HM-DVR22 using the supplied rear camera cable. Run the cabling either through the roof lining or under the carpet.
5. Adjust the angle of the rear camera accordingly to ensure that you have a good rear view from your vehicle.



9.0 THE 3-WIRE SMART HARDWIRE KIT

IMPORTANT:

Refer to your vehicle owner's manual to determine:

- Location of the fuse box
- How to access the fuse box
- The type of fuse tap required

It is highly recommended that you thoroughly read the installation instructions in this user manual. If you are not comfortable with the process, please seek further assistance from an authorised technician.

Most vehicles have a fuse box underneath the dashboard on the driver's side which is easily accessible below the steering column (behind a removable panel). However, the location does vary between vehicle make and model.

There are 4 types of fuse tap cables included in this kit. Check to see if these fuses suit your vehicle's fuse box. If none are suitable, you will need to purchase the correct fuse tap to attach the hardwire kit to your vehicle's power source.

NOTE:

You may need to consult your vehicle manufacturer for instructions on how to remove vehicle fittings (for example, the A-pillar panel) for routing the hardwire kit cables inside your vehicle and for where airbags are located so that these are not obstructed by the routed cables in case of deployment.

Working with your vehicle's power systems can be hazardous both to you and the vehicle if you are not familiar with such tasks. If you have any doubts regarding the installation of the smart hardwire kit, it is recommended that you seek a qualified auto technician for assistance.

IMPORTANT:

Please refer to your dashcam user manual for installation of the dashcam in your vehicle. The smart hardwire kit provides continuous power to the dashcam from the vehicle battery. If there are any issues with your dashcam, please refer them to your dashcam manufacturer.

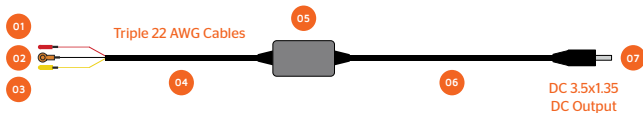
10.0 PRODUCT INFORMATION

Get continuous power for your dashcam. The 3-Wire Smart Hardwire Kit connects to your vehicle battery through your vehicle's fuse box and provides continuous power to your dashcam even when the engine is turned off. It includes several fuse tap options that suit most vehicles and your dashcam connects to the hardwire kit via the Mini USB connector. For the latest manual and product updates, please visit hema.com.au or hema.co.nz.

11.0 FEATURES

- Suitable for use in cars and trucks with with a 12V or 24V battery.
- Provides continuous power to your dashcam even when your vehicle is turned off.
- Battery Drain Protection safeguards your dashcam from draining your vehicle's battery. Your battery will stop providing power to your dashcam if your battery level gets too low.
- Two sets of four different fuse tap cables are provided to connect the kit to the vehicle fuse box to enable the dashcam to operate with its own power supply.

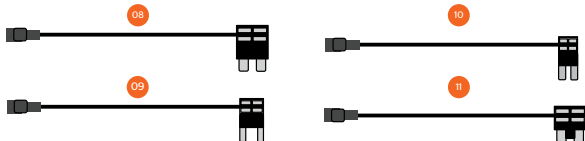
11.1 HARDWARE PACKAGE CONTENTS



1. Red Input Connector
2. Black Input Connector
3. Yellow Input Connector
4. Input Cable
5. Control Box with Adhesive Pad
6. Output Cable
7. Output Connector

VEHICLE FUSE OPTIONS

(USE ONLY ONE OPTION FOR INSTALLATION)



8. ATS (Standard) Fuse Cable
9. Mini Fuse Cable
10. Micro2 Fuse Cable
11. Micro Fuse Cable

11.2 ACCESSORIES

1. Cable Ties x 4



12.0 BATTERY DRAIN PROTECTION

The hardwire kit will protect your dashcam from draining your vehicle's battery. If your vehicle's battery voltage gets too low, the 3-wire hardwire kit will stop powering your camera to save power.

12.1 SETTING THE CUT-OFF VOLTAGE SWITCH

Set the cut-off voltage to the preferred voltage limits before the hardwire kit cuts off the output.

There are four protection bands set within the hardwire kit for your selection.

FOR 12V BATTERIES

The protection voltages are 11.8V / 12.0V / 12.2V / 12.4V.

The 12.2V setting is recommended for general driving conditions.

FOR 24V BATTERIES

The protection voltages are 23.6V / 24.0V / 24.4V / 24.8V.

The 24.4V setting is recommended for most users in general driving conditions.

The hardwire kit will identify the lead acid battery type automatically (12V or 24V) and protect your battery from draining accordingly.

12.2 SETTING THE PARKING MONITOR SWITCH

Default (High) on the right side, is automatically selected to comply with all Hema dash camera models.

12.3 VEHICLE BATTERY LEAD ACID STATE AND CAPACITY

Use the table below to help determine the desired voltage cut-off level for battery drain protection.

For example if the temperature is 38°C and you want to keep a 75% lead acid state capacity remaining in your battery when the hardwire kit cuts off output (meaning the battery voltage is approximately 12.4V) the cut-off voltage should be set at the 12.4V band. This means that there will be a 25% capacity in your vehicle battery to be used for your dashcam while your vehicle is parked.

As an example, for a 50Wh lead acid battery, the 25% consumption level will enable approximately 50 hours of dashcam operation.

TEMPERATURE	LEAD ACID STATE AND VOLTAGE (VOLT)				
°C	100%	75%	50%	25%	0
-7	12.794	12.594	12.384	12.204	12.034
-1	12.77	12.57	12.36	12.18	12.01
4	12.746	12.546	12.336	12.156	11.986
10	12.722	12.522	12.312	12.132	11.962
16	12.698	12.498	12.288	12.108	11.938
21	12.674	12.474	12.264	12.084	11.914
27	12.65	12.45	12.24	12.06	11.89
32	12.626	12.462	12.216	12.036	11.866
38	12.602	12.406	12.192	12.012	11.842
43	12.578	12.378	12.168	11.988	11.818
49	12.554	12.354	12.144	11.964	11.794

NOTE:

Please be advised that the above table is to be used as a reference guide only in order to determine an appropriate voltage selection dependent on the battery age and condition.

13.0 HARDWIRE KIT INSTALLATION

The location of the vehicle's fuse box varies by vehicle make and model. Locations may include underneath the driver's side dashboard, behind the glove box and underneath the central console. When in doubt, always refer to your vehicle owner's manual to determine the location of the fuse box in your vehicle.

NOTE:

The images in this installation were taken for a vehicle where the fuse box is located under the driver's side dashboard (Fig. 1, 2) and should be used as a guide only for a DIY installation. To ensure proper installation, it is recommended to seek a qualified auto technician to install the 3-wire hardwire kit.



FIG.1



FIG. 2

There are two main stages in the hardwire kit installation

- Connecting the output cable to your dashcam
- Connecting the input cables to your fuse box and grounding

NOTE:

Determine the location of your vehicle's fuse box before commencing installation of the hardwire kit. When in doubt, refer to the vehicle owner's manual.

13.1 CONNECTING HARDWIRE KIT TO YOUR DASHCAM

IMPORTANT:

Refer to your dashcam owner's manual for initial installation of the dashcam in your vehicle.

13.1.1 ATTACHING THE USB CABLE TO THE DASHCAM

NOTE:

Images are for instruction purposes only, the actual dashcam in this kit may vary from the images.

1. Insert the USB cable into your dashcam (Fig. 3a,3b).



FIG. 3a



FIG. 3b

13.2 ROUTING OUTPUT CABLE FROM THE DASHCAM TO FUSE BOX

NOTE:

You may need to consult your vehicle manufacturer for instructions on how to remove vehicle fittings (for example, the A-pillar panel) for routing the hardwire kit cables inside your vehicle and for where airbags are located so that these are not obstructed by the routed cables in case of deployment.

13.2.1 INSTALLING THE OUTPUT CABLES IN YOUR VEHICLE

1. The hardwire kit output cable can be recessed into the roof lining where it meets the edge of the windscreen to conceal the cable (Fig. 6).



FIG. 6

2. At the farthest end of the roof lining the output cable needs to be routed along the A-pillar that is closest to the fuse box of the vehicle. You will need to remove the door seal (Fig. 7) and A-pillar panel (Fig. 8) to route the cable (Fig. 9a, 9b). Route the cable all the way down to the end of the A-pillar where it meets the dashboard.
3. Use the provided cable ties to attach the output cable to any existing cable(s) that may be housed in the A-pillar (Fig. 10a, 10b).

NOTE:

The A-pillar that is used to route the cable may not be at the driver's side as shown. Please refer to your vehicle owner's manual to determine the location of the fuse box in the vehicle. The output cable needs to be routed in the A-pillar closest to the fuse box.

INSTALLING THE OUTPUT CABLES IN VEHICLE CONT'D



FIG. 7



FIG. 8

INSTALLING THE OUTPUT CABLES IN VEHICLE CONT'D



FIG. 9a



FIG. 9b

INSTALLING THE OUTPUT CABLES IN VEHICLE CONT'D



FIG. 10a



FIG. 10b

13.2.2 HOUSING THE OUTPUT CABLE

1. Where the output cable from the A pillar meets the side of the dashboard, the output cable will then need to be routed towards the direction of the fuse box by concealing the cable along the side of the vehicle dash (Fig. 11a, 11b).
2. Any excess output cable length can be wrapped and held together with a cable tie when it reaches the fuse box (Fig. 12).
3. Tuck away any excess output cable behind the fuse box (Fig. 13).
4. If required, peel off the adhesive tape on the control box to attach it to your vehicle close by to the fuse box.



FIG. 11a

13.2.3 HOUSING THE OUTPUT CABLE CONT'D



FIG. 11b

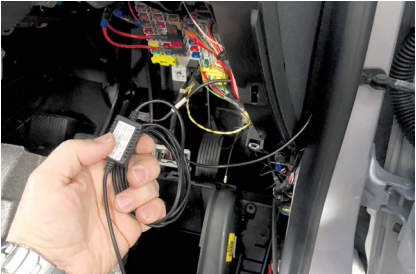


FIG. 12

HOUSING THE OUTPUT CABLE CONT'D



FIG. 13

13.2.4 CONNECTING TO THE FUSE BOX

NOTE:

Refer to your vehicle's fuse layout panel to determine the permanent power fuse for constant and accessories power feed. The fuse cable needs to be connected to the 12V/24V battery feed.

1. Determine the fuse tap cable required for connection to your fuse box. When in doubt, refer to the vehicle owner's manual.
2. Place the vehicle fuse in the fuse tap cable. Note the correct positions location for both the vehicle fuse and the hardwire kit fuse in the fuse tap cable (Fig. 14).

ACCESSORIES POWER FUSE CONNECTION - RED CABLE



FIG. 14

1. Connect the red input connector to the fuse tap cable (Fig. 15a, 15b). Ensure the connection is secured.
2. Insert the fuse tap into the fuse box (Fig. 16a, 16b).
3. Tuck away any excess input cable behind the fuse box.

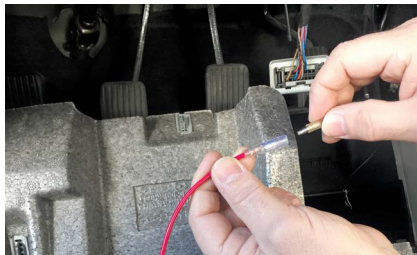


FIG. 15a

CONNECTING TO THE FUSE BOX CONT'D

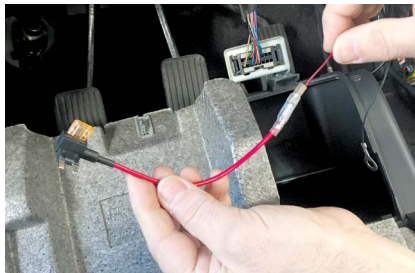


FIG. 15b

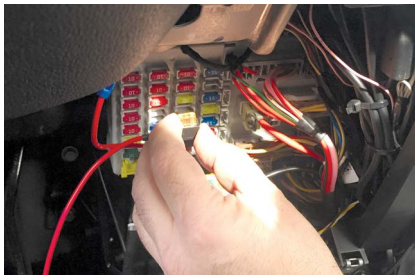


FIG. 16a

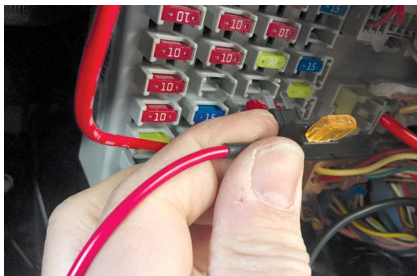


FIG. 16b

CONSTANT POWER Fuse Connection - Yellow Cable

Please follow the steps outlined above (Fig. 14 to Fig. 16) to connect the CONSTANT POWER fuse connection using the yellow input connector.

NOTE:

To determine constant power feed fuse, use a voltage meter.

13.2.5 CONNECTING TO GROUND

1. Locate an earth terminal/bolt or any vehicle bolt that is mounted on the chassis of the vehicle that is nearest to the fuse box (Fig. 17).
2. Loosen the bolt and attach the black input cable eyelet to the bolt. Fasten the bolt.
3. Tuck away any excess input cable behind the fuse box.

NOTE:

The black earth cable needs to be connected to the vehicle chassis otherwise it will not earth out.

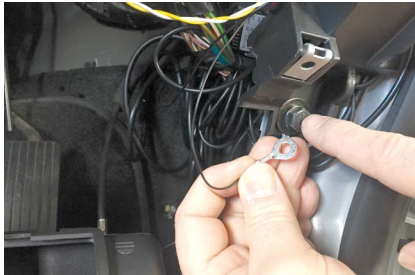


FIG. 17

14.0 SPECIFICATIONS

HARDWIRE KIT: CABLES	
RED INPUT CONNECTOR	BULLET PLUG OD4MM
BLACK INPUT CONNECTOR	ROUND RING TERMINAL, NICKEL PLATED, OD10MM ID6MM L20MM
INPUT CABLE	THREE CABLES (RED: 12/24V ACCESSORY, YELLOW: 12/24V POWER, BLACK: GROUND), 2X22AWG, CONDUCTOR, SR-PVC INSULATION, PVC JACKET, UL1015/2586, 1M, 150MM CLEARANCE
OUTPUT CABLE	THREE CABLES, 2X22AWG CONDUCTOR; SR-PVC INSULATION, PVC JACKET; UL/1007/2464, 3M
OUTPUT CONNECTOR	DC3.5X1.35 MINI USB RECEPTOR
HARDWIRE KIT: CONTROL BOX	
FLAME RETARDANT ABS 94V0, CONTAINS DC-DC CONVERTER	
INPUT VOLTAGE MIN	10V
INPUT VOLTAGE MAX	32V
OUTPUT VOLTAGE	NO LOAD: 5.1V 0.5A LOAD: 5.1V 1A LOAD: 5.1V 2A LOAD: 5.1V
OUTPUT POWER	DC5V 2.5A MAX
BATTERY DRAIN PROTECTION BANDS	11.8V/23.6V 12.0V/24.0V 12.2V/24.4V 12.4V/24.8V
OTHER PROTECTION	REVERSE POLARITY; SHORT CIRCUIT; OVER TEMPERATURE; OVER VOLTAGE; OVER LOAD
WORKING TEMP	-20°C TO 65°C

FUSE CABLES	
ATS (STANDARD) FUSE CABLE	CABLE WITH 5A ATS (STANDARD) FUSE, L125MM
MINI FUSE CABLE	CABLE WITH 5A MINI FUSE, L125MM
MICRO2 FUSE CABLE	CABLE WITH 5A MICRO2 FUSE, L125MM
MICRO FUSE CABLE	CABLE WITH 5A MICRO FUSE, L125MM
ACCESSORIES	
CABLE TIES	QUICK FIX CABLE TIE, BLACK PA66, UL94V2, -20°C TO 105°C, 8KGs, W2.5MM L80MM

15.0 USING YOUR DASH CAMERA

15.1 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.

15.2 FORMATTING THE INSERTED MICRO SD CARD

It is highly recommended you format your Micro 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 on the dash camera. The menu is displayed as shown on the image on "**Setting The Date And Time**" on page 33.
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 Hema DVR App.

15.3 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.

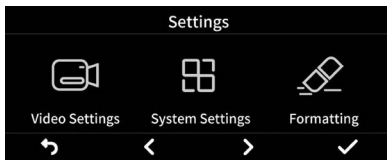


Image 1: HM-DVR22 Settings Screen

15.4 SCREEN MENU



Image 2: HM-DVR22 Screen

Rec **Recording Indicator:** The red button will flash when your Dash Camera is recording.

Wi-Fi Status: If your Dash Camera is not connected to Wi-Fi it will have a slash across the icon.

P **Parking Surveillance ON/OFF:** This will only show when Surveillance Mode is turned ON.

Audio Recording ON/OFF: Press the button below this icon to turn this function ON/OFF.

Lock File: Press the button below this icon to save and lock the current file in your events folder.

Playback Menu: Press the button below this icon to view your recorded files.

DVR Settings: Press the button below this icon to enter Dash Camera settings.

15.5 EVENT VIDEO RECORDING



Image 3: HM-DVR22 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 inserting the Micro SD card into your PC or through the Hema DVR App.

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

15.6 PLAY BACK OR DELETE RECORDED FILES



Image 4: HM-DVR22 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:

During playback the Dash Camera will stop recording and will resume recording when playback has completed.

15.7 SETTINGS MENU

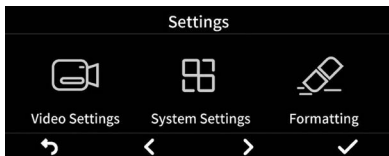


Image 5: HM-DVR22 Settings Screen

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 Hema DVR App. You can also find the latest firmware and the firmware release date information in System Settings.

15.7.1 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

NAME	FUNCTION	OPTIONS	DEFAULT	NOTE
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	

15.7.2 SYSTEM SETTINGS

NAME	FUNCTION	OPTIONS	DEFAULT	NOTE
Wi-Fi	To turn ON/OFF Wi-Fi of the Dash Camera	ON/OFF	ON	
Start up Wi-Fi settings	To automatically turn ON/OFF Wi-Fi 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 Wi-Fi.
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 background

NAME	FUNCTION	OPTIONS	DEFAULT	NOTE
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 unit	To set the speed unit on the recorded videos	km/h / mph	km/h	

16.0 DOWNLOADING AND INSTALLING THE HEMA DVR APP

The HM-DVR22 should be used in combination with Hema DVR App to access all the features of the DVR.

All major settings on the HM-DVR22 are accessed through the Hema DVR 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 HM-DVR22 you will need to download the Hema DVR App from the App store. You will also need to connect your smartphone to the HM-DVR22's Wi-Fi signal using your smartphone's Wi-Fi settings.

For Android devices

Please search for the "Hema-DVR" App 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 below.

For iOS devices

Please search "Hema DVR" 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.

For a step by step guide on connecting to your Dash Camera please follow the steps below.

1. On your smart device download the "Hema-DVR" 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.
2. Power up the HM-DVR22 and allow 2 minutes for the Wi-Fi connection to start.



HEMA-DVR App
Scan the QR code
for a direct link
to download the
HEMA-DVR App.

3. Once the "Hema-DVR" App is downloaded and installed on your smartphone and the Dash Camera is powered up, open your smartphone's Wi-Fi settings and connect to the wireless connection named NCPDVR4K_XXXX. (XXXX is the unique number for every Dash Camera).
4. When prompted enter the password 12345678
5. **Wi-Fi Name:** HM-DVR22
6. **Password:** 12345678
7. Once the connection has been made, open the Hema DVR App. You will now be able to access the live recording screen for stored videos, and Dash Camera settings.
8. Scan the QR code below to download the Hema DVR App from the Google Play or iOS App Store.

NOTE:

1. 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.
2. The DVR will need to be continuously powered on to maintain the connection with your smartphone.

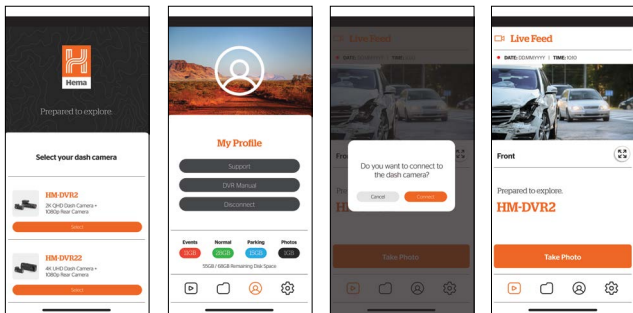
17.0 HEMA DVR APP OPERATION

To use the Hema DVR 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 Wi-Fi Connection.

17.1 APP VIDEO PLAYBACK

For Video Playback, please follow the instructions below.

1. Open the **Hema DVR APP**.
2. Select your DVR model.
3. Press the **Album Button**.
4. Click on the **Video Folder** and select the video you want to view.



17.2 DOWNLOADING VIDEOS FROM THE APP

To download your Dash Camera videos, please follow the instructions below.

1. Open the **Hema DVR 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 **Hema DVR App** in the Folder name **Local**.

17.3 SHARING VIDEOS ON SOCIAL MEDIA

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

1. Open the **Hema DVR App**.
2. Press the **Album Button**.
3. Open the **Local folder** on the **Hema DVR 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.

17.4 HM-DVR22 APP SETTINGS CONT'

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

18.0 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 36 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.

Please scan the QR code for Hema support

Or visit Hema support at <https://support.hema.com.au>

Phone: +61 03 8331 4800

www.hema.com.au



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