



Hema

**HM-CAM202**

# Adjustable Dual Lens Camera



**3**

**HEMA**  
PROTECT

3-YEAR  
WARRANTY

## User Manual

[hema.com.au](http://hema.com.au) | [hema.co.nz](http://hema.co.nz)



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## 1.0 INTRODUCTION

Thank you for purchasing a Hema HM-CAM202 Dual Lens Reversing Camera. We are certain that this product will give you trouble-free operation while providing you with safety features that enhance your driving experience.

### DISCLAIMER

Our products are designed to assist and aid the driver, not to replace the manual function of the person operating the vehicle.

Although the HM-CAM202 is a visual aid and will allow you to view what is behind the vehicle, it does not remove the responsibility of driving the vehicle from the driver. Legal responsibility and safe driving practise remains with the driver at all times. You have purchased this product with the understanding that its use is as an aid only. We highly recommend that you have this product professionally installed to ensure that it will provide the functions it is set out to perform.

### CAUTION

Ensure you are using your rear camera within your countries' road laws. Please make sure you are familiar with your local road legislation before use.

### **IMPORTANT NOTICE**

- Please read this user manual carefully before using the product.
- Wire connection points should always be insulated.
- Wiring should always be installed away from heat sources and electrical components.
- Please perform tests after finishing installation to ensure the camera is working correctly.
- This camera is intended for use as an aid when reversing your vehicle. Drivers must always use extreme caution when operating a vehicle.
- Specifications are subject to change without notice.

### **WARNING**

- Do not disassemble the camera or cut the camera cable as this voids the warranty. Disassembling the camera will compromise the waterproof seal.

## 1.1 COMPONENTS



HM-CAM202 Dual  
Lens Rear Camera



20m Dual Channel  
Cable



Screws +  
Allen Key



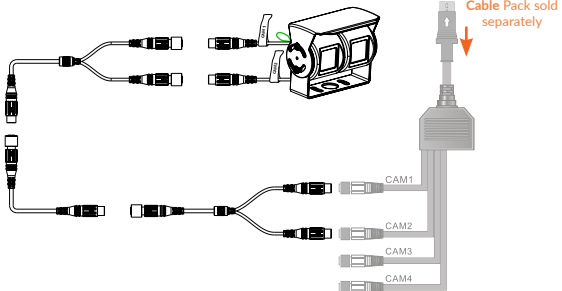
User  
Manual

## 1.2 TECHNICAL SPECIFICATIONS

|                        |                            |
|------------------------|----------------------------|
| Signal System:         | NTSC                       |
| Horizontal Resolution: | 800 TVL both Lens          |
| Minimum Illumination:  | 0.0 Lux                    |
| Field Of View:         | 120°C Cam 1 and 60°C Cam 2 |
| Waterproof Rating:     | IP69K                      |
| Nominal Voltage:       | 12V                        |
| Working Temperature:   | -30°C - 75°C               |

## 2.0 WIRING DIAGRAM

- The reversing guidelines are only available with **CAM 1**. The **CAM 1** label can be found on the camera lead. To remove the guidelines, please cut the **GREEN** wire loop on **CAM1**.



### 3.0 TESTING

1. Mount the cameras and connect them to the monitor.
2. Turn vehicle ignition on (DO NOT TURN ON VEHICLE)
3. Select the camera input option on your monitor.
4. The video image should appear on the monitor.

#### NOTE:

- HM-MNT: Monitor with Input Cable, is sold separately.

### 4.0 TROUBLESHOOTING

| PROBLEM                             | SOLUTION   |
|-------------------------------------|--|
| "No Signal" appears while reversing | <ol style="list-style-type: none"><li>1. Check video input connections</li><li>2. Check camera power connections</li></ol> |
| Video image is not sharp            | Check camera lens for debris   |

### 5.0 CARE AND MAINTENANCE

Always keep the camera clear of dirt and mud. Clean the camera with a soft moist cloth.

## 6.0 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](http://www.hema.com.au)





## **6.1 INDEMNITY**

You agree to defend, indemnify and hold harmless Directed, Hema 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 Hema and its subsidiaries and affiliates, relating to or arising out of your breach of any provision of these terms, your misuse of Hema products or its services, or your unauthorised modification or alteration of products or software.

## **6.2 WARRANTY AND WARRANTY DISCLAIMER**

Hema has a limited warranty on whereby Directed warrants to you and only to you that this Hema product will be free from defects in materials and workmanship for three (3) years from the date of your purchase (unless a longer warranty period is required by law). The specifics of this Hema limited warranty are covered in this manual.

To the extent possible under governing law, other than the above product warranty for the Hema product, you understand and agree that the Hema products and services are provided on an “as is” and “as available” basis. Directed makes no warranty that the Hema products and services will meet your requirements or that use of the Hema products and services will be uninterrupted, timely, secure or error-free nor does Directed make any warranty as to the accuracy or reliability of any information obtained through Hema (including third party content), that any defects in Hema products and services will be corrected or that Hema products or services will be compatible with any other specific hardware or service. Further, Directed does not warrant that Hema products or services or Hema servers will provide you with data and content are free of viruses or other harmful components. Directed also assumes no responsibility for and shall not be liable for any damages caused by viruses that may infect your Hema product, computer software, or other hardware.

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

makes no guarantee or warranty, including any implied warranty of merchantability or fitness for a particular purpose or that Hema equipment and services provided will detect or avert such incidents or their consequences. Directed does not undertake any risk that you or property, or the person or property of others, may be subject to injury or loss if such an event occurs. The allocation of such risks remains with you, not Hema.

Other than the above product warranty for Hema products, its suppliers disclaim all warranties of any kind, whether express, implied, or statutory, regarding Hema products and services, including any implied warranty of title, merchantability, fitness for a particular purpose, or non-infringement of third party rights. Because some jurisdictions do not permit the exclusion of implied warranties, the last sentence of this section may not apply to you. Hema hereby further expressly disclaims all liability for claims for service failures that are due to normal product wear, product misuse, abuse, product modification, improper product selection or your noncompliance with all applicable federal, state or local laws.

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

### 6.3 LIMITATIONS OF LIABILITY

Under no circumstances will Directed be liable in any way for any content, including, but not limited to, the loss of content, any errors or omissions in any content, or any loss or damage of any kind incurred in connection with use of or exposure to any content posted, emailed, accessed, transmitted, or otherwise made available via Hema.

Hema liability for damages, especially for breach of duty or obligation, delay in performance, non-performance, or malperformance shall be precluded, except when these are due to negligent breaches of any significant contractual duty or obligation on the part of Hema. Any liability for negligence is limited to direct losses usually and typically foreseeable in such case. Should the claim for damages be based on wilful or grossly negligent breach of contractual duty or obligation on the part of Hema, the preclusion and limitation of liability mentioned in the preceding sentences will not apply. The preceding preclusion and limitation of liability will also not apply to claims for damages arising out of loss of life, bodily injury or health impacts for which Hema may be liable, or for non-contractual liability.

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