



Hema

HM-MNT

7.0" Multi-Channel AHD Monitor With 4 Camera Inputs



3

HEMA
PROTECT

3-YEAR
WARRANTY

User Manual

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1.0 INTRODUCTION

Thank you for purchasing the Hema HM-MNT AHD Quad Display Touchscreen Monitor. We are certain that our product will give you trouble-free operation while providing you with a safety feature that enhances your driving experience.

DISCLAIMER

The HM-MNT has been designed to help drivers reverse and park, but is not a substitute for driver discretion. You should drive your vehicle with your full attention and use this system as an aid only. The manufacturer and its distributors do not guarantee or assume liability for collisions or damages while the HM-MNT is in use.

CAUTION

- Ensure you are familiar with your local road legislation and you are using your monitor within your countries' road laws.

1.1 COMPONENTS LIST

1. HM-MNT 7" AHD Touchscreen Monitor
2. Remote Control
3. U-shape Mounting Bracket
4. U-shape Bracket Mounting Bolts x4
5. Detachable Sun Visor
6. 3M Adhesive Dashboard Mount
7. Wire Harness
8. User Manual

IMPORTANT NOTICE

- Please read this user manual carefully before using the product.
- Always insulate your wire connection points.
- Always install wiring away from heat sources and electrical components.
- Once installed, test your camera to ensure it is working correctly.
- This system is an aid only. Drivers must always be careful when operating a vehicle, even while this system is in use.
- Specifications are subject to change without notice.

WARNING

- Do not disassemble the monitor or cut the monitor cable as this voids the warranty.



WARNING

**KEEP OUT OF REACH OF CHILDREN
THIS PRODUCT CONTAINS A BUTTON BATTERY**



**BUTTON/CELL
BATTERY**



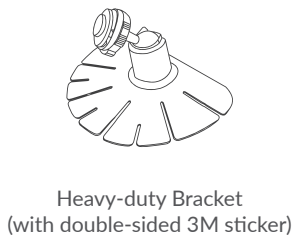
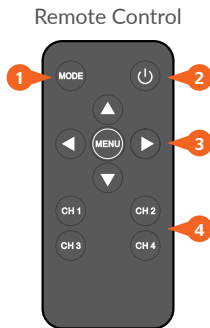
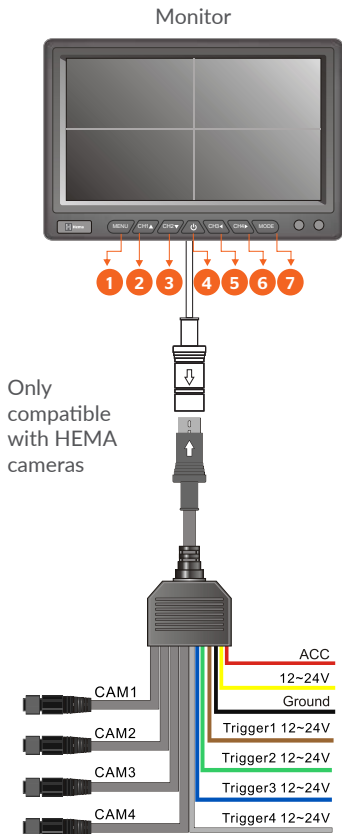
If swallowed, a lithium button battery can cause severe or fatal injuries within 2 hours.

If you suspect your child has swallowed or inserted a button battery, call the **Poisons Information Centre** immediately on **13 11 26** for 24/7 fast, expert advice. If your child is having any difficulty breathing, contact **000**.

1.2 SPECIFICATIONS

LCD Size:	7" Analogue High Definition (AHD) IPS Touchscreen
Brightness:	600 cd/m ²
Touchscreen:	Yes
Backlight:	LED
Screen Resolution:	600 H x 1024 W
Video System:	PAL/NTSC auto
Camera Compatibility:	AHD (720P, 960P, 1080P) / CVBS compatible
Viewing Angle:	Left/Right/Up/Down: 90°
Quad Split:	Built-in quad interface
View Mode:	Selectable single / dual / quad view
Trigger Priority:	CH 1 > CH 2 > CH 3 > CH4
Trigger Specification:	12V-32V DC (adjustable delay time 0-20 seconds)
Input Voltage:	12V-32V DC
Input Current:	700mA at 12V DC
Working Temperature:	-10°C to 65°C
Menu Language:	English
Mirror Image:	Mirror image and rotation available
Camera Inputs:	4
Sun Visor:	Detachable

2.0 PRODUCT OVERVIEW



MONITOR

1. MENU: Press to enter menu settings
2. CH1▲: Function 1 - Switch to CAM1 in full aspect
Function 2 - Menu UP/DOWN selection
3. CH2▼: Function 1 - Switch to CAM2 in full aspect
Function 2 - Menu UP/DOWN selection
4. ⏻: Standby ON/OFF
5. CH3◀: Function 1 - Switch to CAM3 in full aspect
Function 2 - Menu LEFT/RIGHT selection
6. CH4▶: Function 1 - Switch to CAM4 in full aspect
Function 2 - Menu LEFT/RIGHT selection
7. MODE: Display Switch Mode

REMOTE CONTROL

1. MODE: Display Switch Mode
2. ⏻: Standby ON/OFF
3. MENU ◀, ▶, ▲, ▼: MENU/LEFT/RIGHT/UP/DOWN
4. CH(No.): CHANNEL 1, CHANNEL 2, CHANNEL 3,
CHANNEL 4

3.0 GETTING STARTED

1. Attach the optional detachable sun visor to the monitor.
(as shown in image 1).
2. Mount the monitor with the U-bracket and screws or by using the heavy-duty bracket with the 3M tape.
3. Connect the RED wire (labelled ACC) to your chosen power source (either accessories or ignition). Both sources will be powered by a 12V or 24V battery, depending on the type of the vehicle. Refer to diagram on page 5.
4. Connect the YELLOW wire (labelled B+) to a constant 12V or 24V power source. This connection can be made directly from the positive battery terminal or to the vehicle's main fuse box.

Connect the BLACK wire to the chassis, while the vehicle is on solid ground (earth). This wire can be connected to the negative terminal of the vehicle's battery.
5. Connect the 6-pin camera cable to the monitor. To have a particular camera appear on the monitor when triggered, a (+) positive power feed is required. E.g.: The monitor's brown trigger wire could be connected to the (+) positive reverse lamp wire. This will ensure the reverse camera will appear on the monitor when your vehicle is in reverse. This wire only has power when the reverse gear is in use.

NOTE:

- The HM-MNT will only connect to Hema cameras with a 6-pin Din connection. Please confirm your chosen camera is suitable for your vehicle with your retailer. Other cameras may require a 6-pin Din adaptor.
6. When your vehicle is on, (either with the ignition turned on, or in accessory mode) your monitor will turn on automatically.

7. The default display is CH1 Full Screen. By pressing the Mode button continuously, the display input can be changed with the following sequence:

Sequence 1: CH 1 Full screen

Sequence 2: CH 2 Full Screen

Sequence 3: CH 3 Full Screen

Sequence 4: CH 4 Full Screen

SPLIT SCREEN OPTIONS:

Sequence 5: All channels displayed

Sequence 6: CH 1 Half Screen with CH 2 and CH 3

Sequence 7: CH1 and CH 2 Half Screen

Sequence 8: CH 3 and CH 4 Half Screen

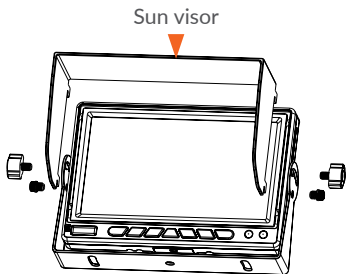


Image 1

NOTE:

- The Mode Switch will skip a channel if there is no camera connected to that channel input. When triggered, the Mode will switch to full display.

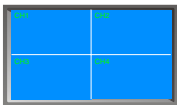
4.0 MENU NAVIGATION



The Hema logo will appear when you turn on the monitor for the first time. When the camera is connected, it will switch to Full Screen mode.

Select the display mode by pressing the Mode button. If the monitor is turned off, the most recent display mode chosen will be shown.

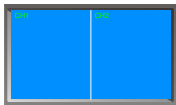
4.1 SPLIT SCREEN OPTIONS



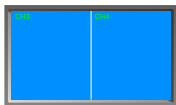
Sequence 5



Sequence 6



Sequence 7



Sequence 8

4.2 INDIVIDUAL CAMERA SETTINGS

You can adjust the display settings of the HM-MNT's connected cameras.

Step 1: Press Menu

Step 2: Press UP/DOWN key to select the  icon

Step 3: Press RIGHT key to enter

Step 4: Press the DOWN key to select Camera Setting

Step 5: Press the RIGHT key to enter

Step 6: Select the channel using the LEFT/RIGHT key

Step 7: Select the setting by pressing the UP/DOWN key

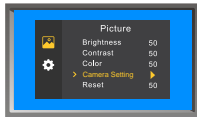
Step 8: Change the selected setting with the LEFT/RIGHT key

Brightness: Increase or decrease brightness (Value 0-100, Default 50)

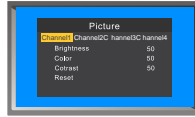
Colour: Increase or decrease colour saturation (Value 0-100, Default 50)

Contrast: Increase or decrease contrast (Value 0-100, Default 50)

Reset: Activating Reset will revert all the settings to Default mode



Step 4 Image



Step 6 Image

4.3 MIRROR FLIP

The Mirror Flip function will flip the image horizontally. It is best used when the camera is located at the front or side of a vehicle. When using the Mirror Flip function, it is not safe to use it while the vehicle is in reverse.

Step 1: Press MENU

Step 2: Press UP/DOWN key to select the  icon

Step 3: Press RIGHT key to enter

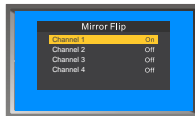
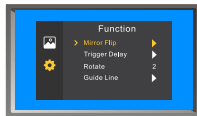
Step 4: Use UP/DOWN key to select the setting you require to change

Step 5: Use UP/DOWN key select Mirror Flip

Step 6: Press RIGHT key to enter camera selection

Step 7: Press UP/DOWN key to select the camera

Step 8: Press RIGHT/LEFT key to turn ON/OFF Mirror Flip



4.4 TRIGGER DELAY

When the trigger is activated on the respective camera, it will override any previous selections. The selected camera view will return to a full-screen image.

The default transition time between triggered screens is less than a second, until it is adjusted otherwise (this can be between one and 20 seconds). When the trigger is deactivated, the display will revert to the selected mode display.

Increasing the trigger delay time will also increase the full-screen display time of this camera, even if deactivated.

Step 1: Press MENU

Step 2: Press UP/DOWN key to select the  Icon

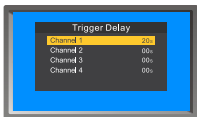
Step 3: Press RIGHT key to enter

Step 4: Use UP/DOWN key to select Trigger Delay

Step 5: Press RIGHT key to enter

Step 6: Press UP/DOWN key to select the camera

Step 7: Press LEFT/RIGHT key to change the trigger delay time (range is from 0-20 seconds)



Trigger Delay: Duration of the triggered camera display after the trigger is off is between 0 and 20 seconds.

4.5 SCREEN ROTATE

Screen Rotate will flip and rotate the orientation of the screen to upside down or left and right.

To rotate the screen follow the below steps:

Step 1: Press MENU

Step 2: Press UP/DOWN key to select the  Icon

Step 3: Press RIGHT key to select

Step 4: Use UP/DOWN key to select Rotate

There are 3 different ways to rotate the image:

1. **Press Right Key Once:** Normal image switches to Mirror image
2. **Press Right Key a Second Time:** Normal image rotated 180°
3. **Press Right Key a Third Time:** Mirrored image is rotated 180°
4. **Press Right Key a Fourth Time:** To revert to normal image orientation

EXAMPLE SCREENS

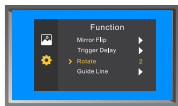


Image 1

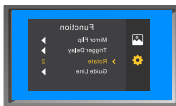


Image 1 Mirrored



Image 1 Rotated
180°

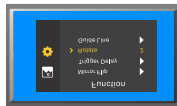


Image 1 Flipped
and Mirrored

4.6 GUIDELINES

Enabling the Guidelines feature will show the guidelines when the camera is triggered and is ideal for reversing cameras. Guidelines are disabled by default. To turn guidelines on or off, please follow the below steps:

Step 1: Press MENU

Step 2: Press UP/DOWN key to select

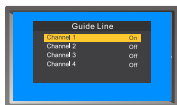
Step 3: Press RIGHT key to enter

Step 4: Use the UP/DOWN key to select Guidelines

Step 5: Press RIGHT key to enter

Step 6: Press UP/DOWN keys to select camera

Step 7: Press RIGHT and LEFT to turn ON/OFF Guidelines



The Guidelines function will turn on when the trigger has been activated.

5.0 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.

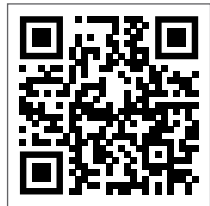
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Or visit Hema support at:

<https://support.hema.com.au>

Phone: +61 03 8331 4800

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