



7" Dash Mount 2 Input AHD Monitor

User Manual





PMON-7022-AHD

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Introduction

Thank you for purchasing your EchoMaster automotive monitor.

Your monitor displays clear, Analog High Definition (AHD) camera images of the area surrounding your vehicle, meaning your maneuvering and vehicle awareness will be greatly improved.

Please ensure you read and understand all aspects of this manual before fitting or using your EchoMaster AHD monitor.

Box Contents

- ▶ 7" AHD Monitor with Stand
- ▶ Main Harness
- ▶ Camera Adapter Harness
- ▶ Sunshade
- ▶ Remote Control
- ▶ Installation Hardware
- ▶ User Manual

Key Features

- ▶ 7" High Definition Display
- ▶ Dual video inputs
- ▶ 2 trigger wires
- ▶ GX12 connectors
- ▶ Supports 1080p AHD, 720p AHD, & CVBS video formats
- ▶ Auto-Sensing video formats
- ▶ 1 Audio Input

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Fitting Instructions

Choose a suitable mounting location dependent on the application. This location should not interfere with the driver's normal vision of the road. Ensure that there are no wiring harnesses or hoses/pipes located behind this panel before drilling any holes.

Tape the mounting area using masking tape and then mark the mounting holes with a pen. You can also mark the hole for the cable entry at this time if required.

Drill the mounting holes and cable entry holes.

If the cable passes through any metal then the hole should be protected with a suitable rubber grommet.

Mount the monitor bracket and run the cable through the grommet.

Loosely attach the monitor to the bracket with the supplied bolts but do not tighten until the image has been checked to ensure the correct viewing angle.

Make all required connections as per the wiring diagram in this manual.

Verify that the image is correct and that the viewing angle is good.

Secure all bolts.



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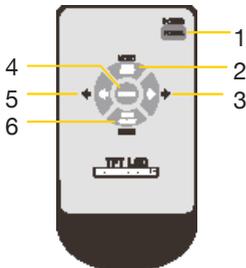
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Button Reference (Monitor)



- | | |
|-----------------|------------------|
| 1. Sunshade | 7. CH2 |
| 2. Down Arrow | 8. MODE Button |
| 3. MENU Button | 9. IR for Remote |
| 4. Up Arrow | |
| 5. POWER Button | |
| 6. CH1 | |

Button Reference (Remote)



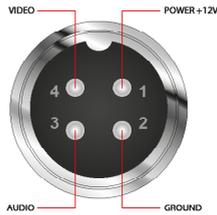
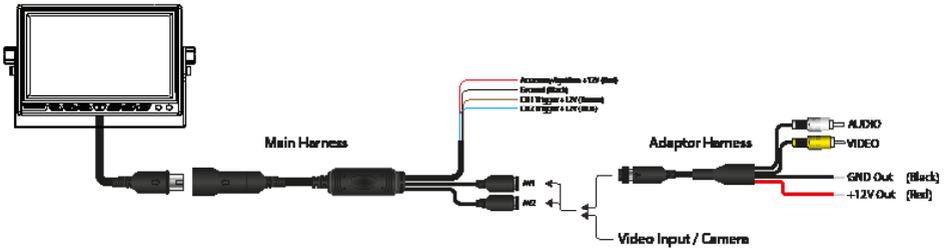
- | |
|-------------------------|
| 1. POWER Button |
| 2. CH1/CH2 Video Select |
| 3. Menu Selection (+) |
| 4. MENU Button |
| 5. Menu Selection (-) |
| 6. MODE Select |

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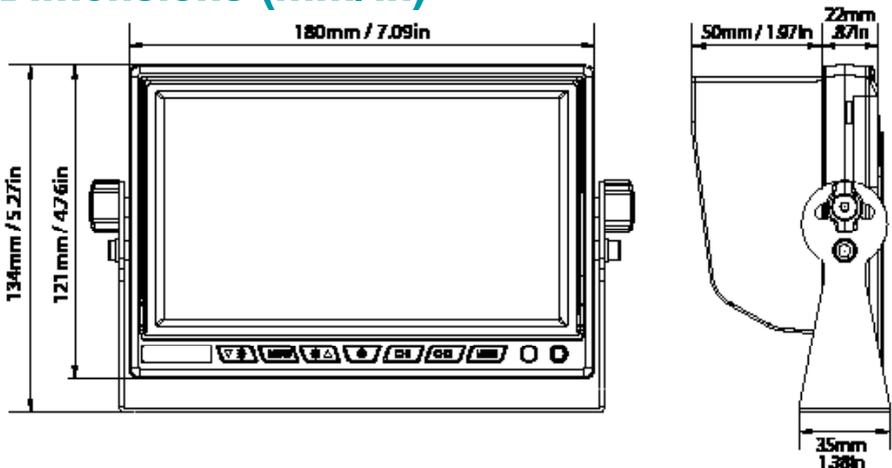
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Wiring Diagram & Pin Out



Dimensions (mm/in)





Operating Instructions

Power

To turn the monitor ON and OFF use the POWER button. The monitor has a last state memory function. If the monitor was in standby mode when the Ignition supply was turned off, the monitor will turn on next time in standby mode, if the monitor was ON when the Ignition supply was turned off, it will power to ON when the Ignition supply is next applied.

Channel Selection

Press any of the CH buttons to view that image in full screen. Press the MODE button to cycle through all multi-image view options. The monitor also has 2 trigger input wires, if any of these wires receive a trigger input, the channel corresponding will be selected. (Refer to wiring diagram for wire color and channel definition).

Audio

The audio from CH1 input will always be heard irrespective of which channel or channels are being displayed on screen.

Menu Instructions

Press the MENU button to access the adjustable features of the monitor.

To cycle between the menu pages press the MENU Button.

To select an item press the ▲ To scroll between each item, press the **CH1 Button**, the active item will be highlighted green. To change an item value, use the ▲ and ▼ buttons.

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Menu Options

Image

Brightness [0-100 / Default: 50]

Contrast [0-100 / Default: 50]

Saturation [0-100 / Default: 50]

Reset [Press DOWN ▼ to reset values when highlighted]

System

Language [English, Spanish, French, Italian, German / Default: English]

ACC-Time Set delay for trigger to turn off [00-15 Seconds / Default: 00]

Sleep Set time to turn off display [00-100 Minutes / Default: 00]

Flips Set image flip & mirror [LU, RU, LD, RD / Default: LU]

Guide Lines

Guide Lines Set parking guide lines [ON, OFF / Default: OFF]



Specifications

PMON-7022-AHD	
Screen Size	7"
Aspect Ratio	16:9
Power Supply	12V-24V
Resolution	1024xRGBx600
Luminance	300 cd/m2
Contrast	500:1
TV Format	PAL/NTSC
OSD Languages	5
Video Inputs	2
Audio Inputs	1
Triggers	2
Current Draw	450 mA
Operating Temperature	-20~+70 °C
Video Support	1080p & 720p AHD /CVBS
Parking Guidelines	YES
Dimemnsions (mm/in)	180 x 121 x 24 / 7 x 5 x 1
Connection Type	4 PIN GX12 / RCA

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