



# 1080P fullHD Rear View Camera Systems

**RVview**

## Operating Guide



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A wide-angle photograph of Uluru, a large red sandstone rock formation, under a blue sky with wispy white clouds. The foreground shows a dry, scrubby landscape with a single tree on the left.

**MW7HD & MW71HD**

# System Identification



**MW7HD**



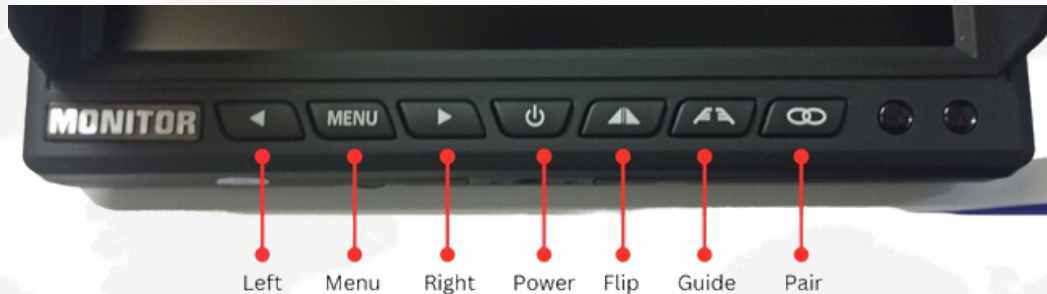
**MW71HD**

## Introduction

RVview rear view camera kits are the latest technology using 1080P HD cameras and IPS LCD monitors. Each kit comes with standard fittings to get you up and running.

## Monitor

MW7DH



### -Monitor Buttons for MW7DH

Left - Down / Decrease

Menu - Menu

Right - Up / Increase

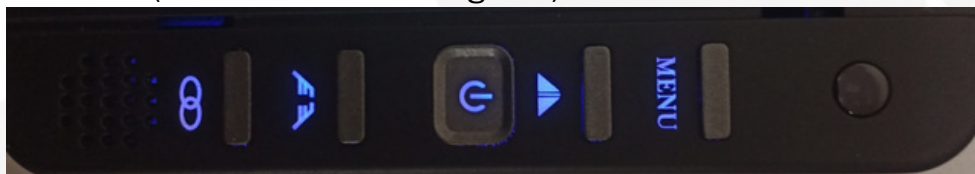
Power - Power

Flip - Flip / Mirror Image

Guide - Turn On / Off reversing guide

Pair - Pair to Camera – long press, (multi cam systems also change camera – short press)

MW71HD (shown rotated 90 degrees)



### -Monitor Buttons for MW71HD

There are fewer buttons on the MW71HD that perform multiple functions

Menu - Menu

Power - Power

Flip - Flip / Mirror Image - When in Menu mode Up / Increase

Guide - Turn On / Off reversing guide – When in Menu mode Down / Decrease

Pair - Pair to Camera – long press, (multi cam systems also change camera – short press)



## -Monitor Operation

Power on monitor

Image from camera will show on screen

Signal Strength is in top right corner

## -Menu Settings

Press Menu button

Set contrast, saturation and brightness settings with left and right keys or Flip / Guide Keys

## -Flip

The image can be flipped and mirrored using the Flip key. There are four display options. Make sure that you are aware if the monitor is mirrored as what appears on the Left Hand Side will be what is on the Right Hand Side if mirrored.

## -Reversing Guide

Press the Park button to turn On / Off the reversing guide

## -Pairing

Cameras can be easily paired to the monitor.

1/ Power up the camera

2/ Within 10 seconds of power up, press the pair key (long press)

3/ Searching graphic will come up on screen

If successful a large green tick will appear, followed by the cameras image

In unsuccessful then a red cross will appear. Power down then power up the camera and try again

The camera only runs in pairing mode for 10 seconds after power up.

With multiple camera units, select the appropriate screen individually (with single short press on the pair button) before pairing.

## Connecting the Camera(s)

The cameras require a 12v source. Cable and connectors are included. The red wire is +12v and the black wire is Ground.

## Connecting the Monitor

The Monitor comes with a Cigarette lighter plug for easy connection. Plug in and press the top button, plug will glow red when on.

Multi camera monitors (2/4 cam) also have additional wiring that can be connected to trigger camera view when the circuit is active.

## Sun Shade

Install the sunshade on the monitor prior to operation.

## Windscreen Mounting

An optional heavy duty windscreen suction cup mount is available to mount the monitor securely to the windscreen. It is advisable to remove original bracket when using this method.

## Operating Specifications MW7HD

### Monitor

- 7" display
- 2.4 GHz operating frequency
- 16:9 aspect ratio
- 7" 1024 x 600 pixel panel
- Backlight 500cd/m2
- Selectable parking guidelines
- Dimensions 180 x 120 x 23mm (not including bracket or antenna)
- Operating power 12 – 24 Volt
- Metal U bracket mount
- Cigarette lighter plug

### Camera

- Colour IR CMOS
- 2 Mega pixel (full HD 1080P)
- 2.4 GHz operating frequency
- 120 degree view
- 18 IR LED night vision
- Operating Temperature -20 to 70 degrees C
- Dimensions 74 x 45 x 56mm
- Operating power 12 – 24 Volt
- Power consumption less than 200mA
- IP68 dustproof / waterproof

## Operating Specifications MW71HD

### Monitor

- 7" display
- 2.4 GHz operating frequency
- 16:9 aspect ratio
- 7" 1024 x 600 pixel panel
- Backlight 450cd/m2
- Selectable parking guidelines
- Operating power 9 – 30 Volt
- Fan bracket mount
- Cigarette lighter plug
- Optional suction cup mount available

### Camera

- Colour IR CMOS
- 2 Mega pixel (full HD 1080P)
- 2.4 GHz operating frequency
- 120 degree view
- 18 IR LED night vision
- Operating Temperature -20 to 70 degrees C
- Dimensions 74 x 45 x 56mm
- Operating power 12 – 24 Volt
- Power consumption less than 200mA
- IP68 dustproof / waterproof



## Troubleshooting Guide

Issue	Causes
Image not showing on screen	<p>Camera not powered  Check that camera is receiving power.  Check power supply circuit and verify that camera is drawing ~150mA.</p>
Image sometimes freezes when travelling	<p>Check power circuit to camera.  This can be caused by an intermittent fault with the power supply from the Van/Vehicle. There can be three main issues.</p> <ul style="list-style-type: none"> <li>• Total power loss, intermittent</li> <li>• Voltage sag</li> <li>• PWM operation from tow vehicle on the circuit that the camera is connected to</li> </ul> <p>These can result in the camera momentarily losing power which causes a frozen image on the monitor.  a/ Check all power connections and wiring for faults  b/ Check trailer plug is maintaining 100% contact at all times  c/ Check voltages, if PWM in operation this may need to be done with CRO.</p> <p>If it is not possible to find the cause then there are two main solutions.  1/ drawing power directly from the house battery via a relay, and  2/ using a voltage regulator such as RVview product code MW7_12vReg  Either of these options will generally provide a solution to defective van/vehicle wiring and or voltage issues.</p> <p>Please note: Some newer type vehicles (especially European) tend to have voltage reduction on the parking light systems.</p> <p><b>We have found that over 90% of issues are resolved using this method as the issue relates to the vehicle/van power system.</b></p>
Screen is dark	<ol style="list-style-type: none"> <li>1. Brightness turned down  Turn brightness up</li> <li>2. Sun shade not installed  Install sun shade</li> <li>3. Cold weather  In cold weather the image may be darker when first turning on. As the monitor gets to normal operating temperature the image will appear normally.</li> </ol>
Camera will not pair with monitor	<p>This is usually the result of not pressing the pairing button within 10 seconds of the camera starting. Power down the camera then power up again, making sure the pairing button is pressed within 10 seconds of start.</p>
Small water droplets on camera inside clear face	<p>Minor condensation caused by reducing temperature and water in air. Condensate will disappear when temperature rises.</p>
Major water in camera	<p>Camera seal failure, replace camera</p>



# Thank You

And we wish you safe travels

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