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› **Voyager VOM74MM Rearview Mirror Monitor Instruction Manual**

## Voyager VOM74MM

### Voyager VOM74MM Rearview Mirror Monitor Instruction Manual

Model: VOM74MM

#### 1. PRODUCT OVERVIEW

The Voyager VOM74MM is a 7-inch TFT LCD rearview mirror monitor designed to display real-time images from connected cameras. It features a highly-reflective glass surface that functions as a standard rearview mirror when the camera system is not active. This monitor supports up to three camera inputs and includes a built-in speaker for audio feedback.



Figure 1: Front view of the Voyager VOM74MM Rearview Mirror Monitor with an active display.



Figure 2: Front view of the monitor highlighting the control buttons along the bottom edge.



Figure 3: Rear view of the monitor, illustrating the mounting area and cable connection point.

## 2. SETUP AND INSTALLATION

### 2.1 Mirror Monitor Installation

To install the VOM74MM monitor, first remove the existing rearview mirror. Access to the mirror mount may require prying open the panel behind the mirror. Once the old mirror is removed, the new VOM74MM monitor can be

installed onto the existing mount. Ensure all connections are secure before re-clipping any panels.



Figure 4: The VOM74MM monitor mounted inside a vehicle, providing a clear view.

## 2.2 Power Connection

The monitor requires a 12VDC power source. The easiest location to tap into power is typically the vehicle's fuse box, often found near the driver's seat. Identify a suitable ignition-powered fuse (e.g., Fuse #24 for 5A ignition power, as indicated in some vehicle models) and use a fuse tap to connect the monitor's power wire. This ensures the monitor powers on and off with the vehicle's ignition.

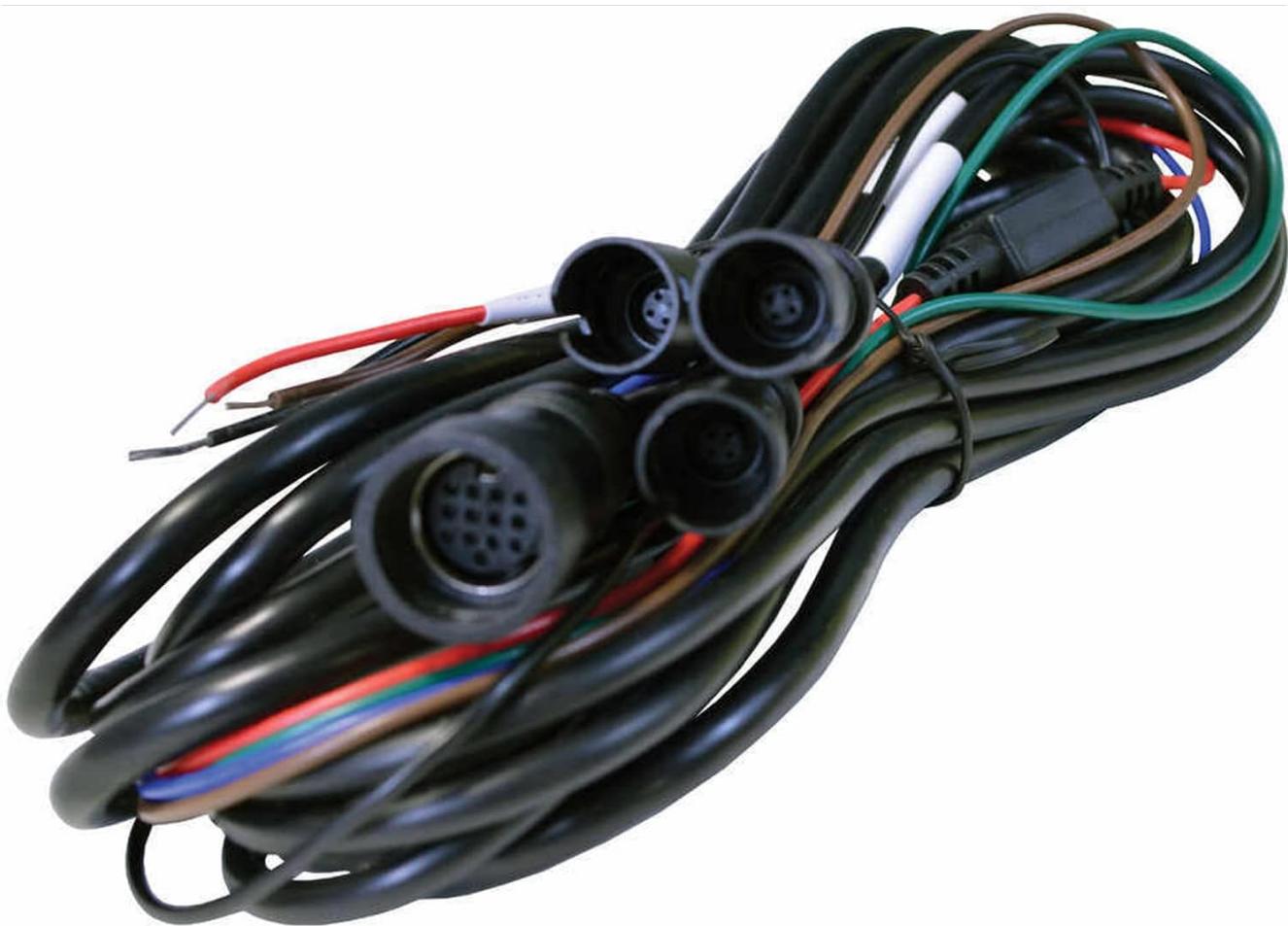


Figure 5: The included wiring harness for connecting the monitor and cameras.

### 2.3 Rear Camera Installation

For optimal rear visibility, mount the backup camera on the vehicle's back cap. Many back caps are hollow, allowing for easy routing of the camera cable. Secure the camera using the provided mounting bracket and screws. Ensure the rubber grommet on the camera cable is properly seated in the drilled hole to maintain a weather-tight seal. Route the cable along the vehicle's frame rail and into the cab, connecting it to one of the monitor's camera inputs.



Figure 6: One component of the mounting bracket for the camera.



Figure 7: Another component of the mounting bracket, showing its adjustable nature.

# Voyager®

Replacement Rearview  
Mirror Monitor

## VOM74MM



### FEATURES

- 7" TFT LCD display with highly-reflective glass surface that serves as a rearview mirror when back-up camera system is not active
- 12VDC power
- PAL/NTSC compatible
- 16:9 aspect ratio
- Three camera inputs
- White button backlight
- Manual (push button) or automatic (trigger) source selection
- Turn-signal (pulsed DC) compatible trigger inputs
- Built-in speaker
- Menu Selectable Scale Marker
- Fixed camera volume after applying trigger
- Manual & Auto Dimming w/ Screen Saver mode
- Non-volatile memory for picture, volume, and image adjustment settings
- FCC, CE certified

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Figure 8: The manual cover, listing key features of the VOM74MM.

### 3. OPERATING INSTRUCTIONS

#### 3.1 Source Selection

The VOM74MM monitor allows for both manual (push button) and automatic (trigger) source selection for its three camera inputs. When a trigger input is activated (e.g., shifting into reverse for a backup camera), the monitor will automatically switch to that camera's feed. Manual selection can be performed using the control buttons located on the bottom of the monitor.

### 3.2 Display Adjustments

The monitor features a menu-selectable scale marker, which can assist with judging distances. It also includes manual and auto-dimming functions with a screen saver mode to optimize visibility and reduce distraction. Picture, volume, and image adjustment settings are stored in non-volatile memory, retaining your preferences even after power cycles.

## 4. MAINTENANCE

To ensure the longevity and optimal performance of your Voyager VOM74MM monitor, follow these maintenance guidelines:

- **Cleaning:** Use a soft, lint-free cloth to gently wipe the screen and mirror surface. For stubborn smudges, slightly dampen the cloth with water or a mild, non-abrasive screen cleaner. Avoid harsh chemicals or abrasive materials.
- **Connections:** Periodically check all wiring connections for tightness and signs of wear or corrosion. Ensure the rubber grommets on external camera cables remain properly sealed.
- **Environmental Protection:** While designed for vehicle use, avoid exposing the monitor to extreme temperatures or direct sunlight for prolonged periods when not in use, if possible.

## 5. TROUBLESHOOTING

If you encounter issues with your Voyager VOM74MM monitor, refer to the following common problems and solutions:

- **No Display/Power:**

- Check the power connection at the fuse box and ensure the fuse is intact.
- Verify that the wiring harness is securely connected to the monitor.
- Ensure the vehicle's ignition is on if connected to an ignition-switched power source.

- **No Camera Image:**

- Confirm the camera is properly connected to the monitor's input.
- Check the camera's power supply and ground connections.
- If using a trigger, ensure the trigger wire is correctly connected and activated.
- Try switching to a different camera input on the monitor to isolate the issue.

- **Distorted/Flickering Image:**

- Check for loose or damaged video cables.
- Ensure proper grounding for both the monitor and camera.
- Verify that the camera and monitor are set to the same video system (NTSC/PAL).

- **Buttons Unresponsive:**

- Ensure the monitor is receiving stable power.
- Perform a power cycle by disconnecting and reconnecting the power.

## 6. SPECIFICATIONS

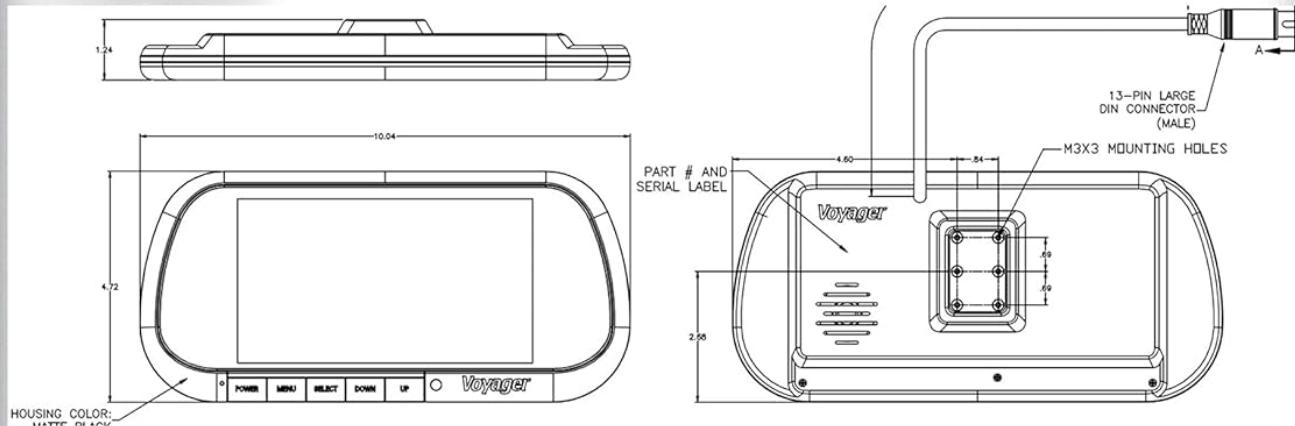
Category	Specification
Model Number	VOM74MM
Display Technology	7-inch TFT LCD
Aspect Ratio	16:9
Resolution	800 x 480
Brightness	400 nit
Contrast Ratio	500:1
Video System	NTSC/PAL Compatible
Camera Inputs	3
Power System	12VDC
Operating Voltage Range	10V ~ 32V
Current Draw @ 12V	Idle 55mA, Nominal 407mA, Maximum 493mA
Operating Temperature Range	-22°F to 185°F (-30°C to 85°C)
Storage Temperature Range	-40°F to 203°F (-40°C to 95°C)
Maximum Relative Humidity	85%
Overall Dimensions (inches)	10.04(W) x 4.72(H) x 1.24(D)
Product Weight (unpackaged)	1.4 lbs (Monitor only)
Audio Output	1W
Backlight Life (min)	50,000 Hours

*Note: Specifications are subject to change without prior notice.*

# Voyager®

## Replacement Rearview Mirror Monitor

# VOM74MM



## **SPECIFICATIONS:**

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**General Specifications:**

Power System		12VDC
Operating Voltage Range		10V ~ 32V
Current Draw @ 12V	Idle	55mA
	Nominal	407mA
	Maximum	493mA
Operating Temperature Range		-22°F to 185°F
Storage Temperature Range		-40°F to 203°F
Maximum Relative Humidity		85%
Overall Dimensions (inches)		10.04(W) x 4.72(H) x 1.24(D)
Product Weight (unpackaged)		1.4 lbs( Monitor only)

### Performance Specifications:

Video / Display System	NTSC/PAL		
Video Input Signal (Composite)	1V P-P @ 75Ω		
Audio Output	1W		
LCD Specifications	Diagonal Size	7"	
	Resolution	800 x 480	
	Brightness	400 nit	
	Contrast Ratio	500:1	
	View Angles	Top	70°
		Bottom	50°
		Left	70°
		Right	70°
	Display Format (aspect ratio)	Analog 16:9	
	Response Time	Rise	10ms
		Fall	15ms
	Backlight Type	LED	
	Backlight Life (min)	50,000 Hours	

Features and specifications subject to change without notice.

Figure 9: A page from the official manual detailing the product specifications.

## 7. WARRANTY AND SUPPORT

As an Amazon Renewed product, this item is backed by the Amazon Renewed Guarantee. Please refer to the Amazon Renewed product page for specific warranty details and return policies. For technical support or further

assistance with your Voyager VOM74MM monitor, please contact the manufacturer, ASA Electronics, or the Amazon Renewed customer service team.

For additional protection, consider purchasing an extended protection plan available through Amazon.

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