



**VTM51M**

**5" Replacement Mirror Monitor**

# **USER MANUAL**



**Please read the instructional complete before use and keep it for future reference.**

## Product Features

- 5 Inch TFT LCD Panel
- Display Panel Aspect Ratio 16:9
- Resolution 800x480
- High Brightness 1200cd/m<sup>2</sup>
- Mirror Glass
- Universal Mirror Mount
- 2 Video Inputs, Video Signal Auto Detection
- PAL/NTSC Auto Switch
- Power Supply DC 12V
- Power Consumption 0.3W(Stand By)

## Before Installation

- Please check contents.
- Perform bench test. Ensure the product is working correctly before installation by connecting the cameras and power (12VDC) to the monitor.
- Perform pre-install test (monitor viewing position), before mounting the monitor.

## Contents



Mirror Monitor



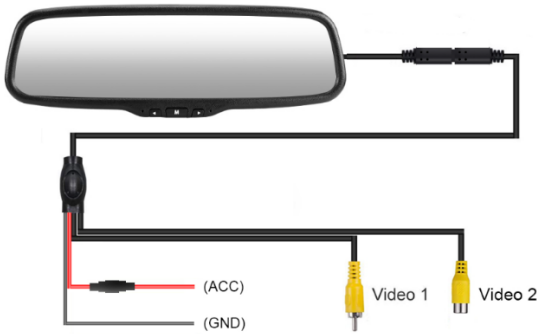
Power Harness



Universal  
Bracket  
& Mount




# Installation

- Wiring / Connections



- Replace your original rearview mirror

## Step 1. Remove original mirror from the windshield.

<p>Loosen the set screw</p>  <p>Clamping base, twist the Screw with a screwdriver.</p>	<p>Hold close to the glass Slide up against windshield</p>  <p>Closely to the glass, pull out towards the top roof of the car.</p>	<p>Remove the mirror</p>  <p>Take off the rearview mirror.</p>
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## Step 2. VTM51M installation. Reverse of a mirror removal.

- Attach the universal mount to the mirror
- Slide in the universal bracket over the mount
- Tighten the set screw.

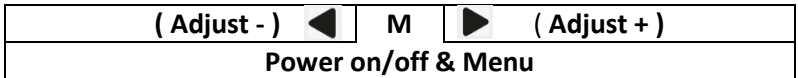
### Note:

- The universal mount does not fit the bracket (metal plate shape is different). Remove the original mount from the windshield and use the included mount.



## Monitor Operation

### Buttons:



### Monitoring:

- The monitor detects video signal.
- When the video input port 1 detects the video signal, it will automatically display the video input 1.
- When the video input port 2 detects the video signal, it will automatically display the video input 2.
- The video input 2 will override the video input 1 if video input port 1 has video signal.

### Power ON/OFF:

- Long Press: Press down and hold the “M” button to turn the display on or off.

### Changes Settings:

- Short Press: Press the “M” button to show menu options.  
Menu Options: Brightness, Contrast, Color, Sharpness, Reset  
To increase the value, press ▶.  
To decrease the value, press ◀.  
To reset, press ◀ or ▶.

## Troubleshooting

1. No backup camera video. The backup camera is connected and powered.

Possibility 1: Camera has no power. Please check voltage to the camera.

Possibility 2: Bad video extension cable or connector. Please test with another video extension.

Possibility 3: Bad camera. Test the camera with another monitor.

Possibility 3: Wrong video input connection. Check if the camera is connected to the video input 2. When the backup camera is connected to video input 1 and the monitor display is turned off, it will not display.

Possibility 4: Bad monitor. Check the camera with another monitor.

2. Video noise. Video is having random spots, waves, etc. Camera related issue.

Please check video camera and cable.

Static video noise. You may need 12V filter to for the camera power.

Bad video connector (e.g., RCA Jack). Use good quality

3. Bad picture color.

Possibility 1: Incorrect color settings. Using the menu options...  
Reset the monitor and adjust the display brightness, color, and contrast.

Possibility 2: Bad camera. Check the camera with another monitor to verify camera video quality.

## WARRANTY INFORMATION

This limited warranty is given to the end-user or the retail purchaser (referred to this warranty as “Original Purchaser”) that it will be free from defects in material and workmanship for a period of one year from the date of the purchase of the new product (excluding cameras).

This limited warranty does not cover any physical damage to, or misuse of, this product, damage caused by improper installation; improper use; misuse; neglect; repair of cracked, scratched, broken or modified cosmetics; or parts that have been altered or removed; damages done by another device used with this product resulting from use of non BOYO®- brand parts. This warranty is VOID if you purchased this product as used, floor model sample, or refurbished; if the product has been altered or modified in any way (including but not limited to attempted repair without authorization from BOYO®- Vision Tech America, Inc. and/or alteration/removal of the serial number).

For warranty information, visit: <https://www.visiontechamerica.com/get-warranty>

**For technical support:**

**Call: (888) 941-3060**

**Email: [info@visiontechamerica.com](mailto:info@visiontechamerica.com)**

**Visit: [www.VisionTechAmerica.com](http://www.VisionTechAmerica.com)**