

**43M**  
**USER GUIDE**

**SAFETY**  
**VISION®**

## Important Notices

Title: 43M User Guide

Document Version: 1

Revision: 0

Safety Vision attempts to provide information contained in this manual based on the latest product information available at the time of publication. However, because of Safety Vision's policy of continual product improvement, Safety Vision reserves the right to amend the information in this document at any time without prior notice.

This material is confidential and the property of Safety Vision. It is shared with your company for the sole purpose of helping you with the operation of the described equipment.

Safety Vision makes no warranty of any kind with regard to this material, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Safety Vision shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of this material.

Safety Vision expressly disclaims all responsibility and liability for the installation, use, performance, maintenance, and support of third-party products. Customers are advised to make their independent evaluation of such products.

No part of this document may be photocopied, reproduced, or translated to another language without the prior written consent of Safety Vision.

Safety Vision® is a registered trademark of Safety Vision, LLC. All other products or name brands mentioned in this document are trademarks of their respective owners. For more information about Safety Vision and its products, go to [www.safetyvision.com](http://www.safetyvision.com) or call 800-880-8855.

# Contents

<b>Safety And Installation Instructions</b>	<b>2</b>
<b>Features</b>	<b>3</b>
<b>Monitor Controls</b>	<b>4</b>
<b>Mirror Monitor Installation</b>	<b>6</b>
<b>Connection</b>	<b>7</b>
<b>Operation Instructions</b>	<b>8</b>
<b>Cleaning And General Maintenance</b>	
Cleaning	8
Ventilation	8
Object and Liquid Entry	8
Servicing	8
<b>Specifications</b>	<b>9</b>
<b>FCC Compliance Statement</b>	<b>10</b>

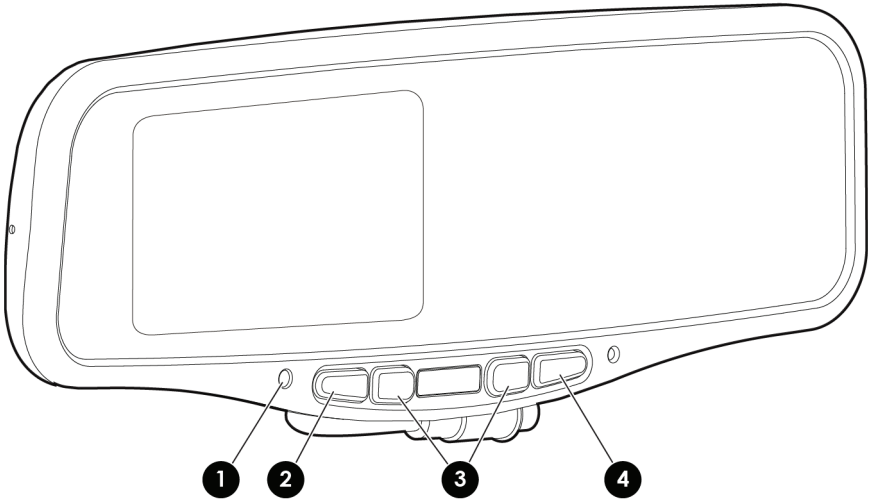
## Safety And Installation Instructions

- Secure the monitor in such a way that it cannot become loose under any circumstances (*sudden braking, accidents*) and cause injuries to the occupants of the vehicle.
- Do not attach the monitor in an area that may be used by an airbag, as this could cause injury if airbags are deployed.
- Ensure the monitor is mounted in an area that does not impair your vision while driving.
- Do not open the monitor.
- Do not submerge the monitor under water; the monitor is not waterproof.
- Do not operate the monitor if the housing has been damaged.
- Connect the monitor to the correct voltage.
- Do not press on the LCD display.
- Do not drop the monitor.
- The picture quality can be impaired in the vicinity of electromagnetic fields. For this reason, do not mount the monitor near loud speakers.

## Features

- The 4.3" screen can be set to display in the left, middle, or right side of the mirror monitor.
- Combines normal rear view mirror and rear vision monitor.
- Clips over 70% of existing GM, Ford, and Toyota vehicles original rear view mirror studs.
- Accepts both 12V and 24V DC.
- Supports up to two (2) camera inputs.
- Automatically displays rear view camera (V1) when vehicle is placed in reverse.
- High-low voltage and short circuit protection.
- Special anti-glare treatment.

## Monitor Controls



**1 - Auto Dimmer** Automatic brightness control sensor.

### 2 - MENU

- **Contrast Control**

To adjust the contrast color for the desired best picture, press the **MENU** button and select **CONTRAST** in the on-screen display. Use the (+) and (-) buttons to increase/decrease the picture contrast.

- **Brightness Control**

To adjust the brightness control for the desired best picture, press the **MENU** button and select **BRIGHTNESS** in the on-screen display. Use the (+) and (-) buttons to increase/decrease the picture brightness.

- **Color Control**

To adjust the color for the desired best picture, press the **MENU** button and select **COLOR** in the on-screen display. Use the (+) and (-) buttons to increase/decrease the picture color.

- **Normal/Mirror Image Setting**


Press the **MENU** button and select **MIR1 OFF** in the on-screen display. Use the (+) and (-) buttons to select a Mirror Image or Normal Image to be displayed for Camera 1 (V1). Repeat these steps for Camera 2 (V2).

- **Parking Assist Lines**

Press the **MENU** button and select **Park (on)** in the on-screen display. Use the (+) and (-) buttons to turn the parking assist lines on or off.

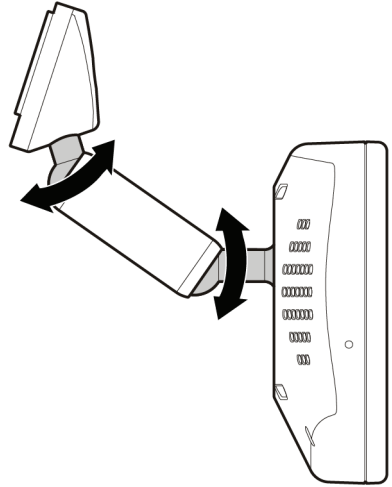
The parking assist lines only display on-screen when the vehicle is in reverse. When displayed on-screen, use the (+) and (-) buttons to horizontally adjust the parking assist lines to match actual parking conditions/camera placement.

**3 - Plus (+) / Minus (-)** Use the plus (+) and minus (-) buttons to change settings in system menus.

**4 - CAM Select / ** Single-press the **CAM Select** button to switch between V1 and V2 camera channels. Press and hold the **CAM select** button to power the monitor on and off.

## Mirror Monitor Installation

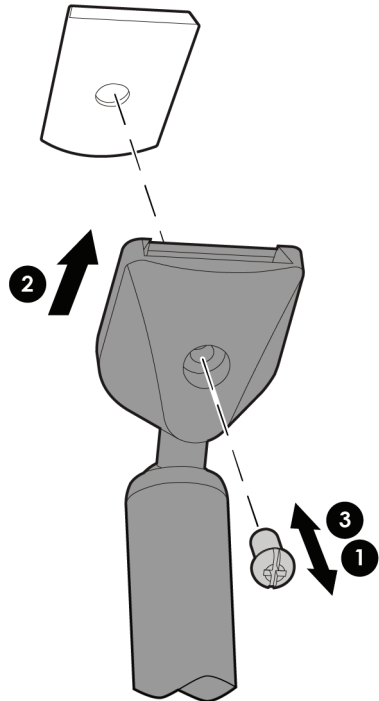
1. Remove the original rear view mirror from the vehicle.
2. Adjust the angle of the mirror monitor by rotating the ball joint on the bracket to the best position.



3. Unscrew the silver lug, slide the mirror monitor to the original metal lug on the windshield
4. Fix the screw firmly.

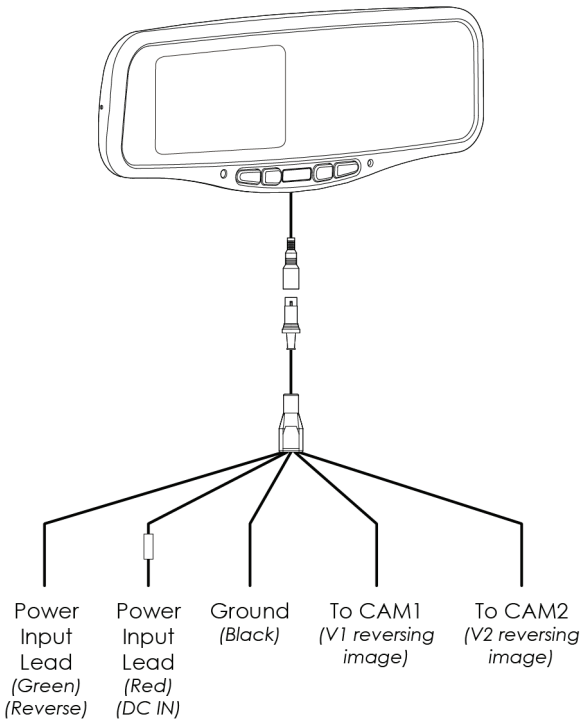
### Note:

- If the bracket does not match the original rear view mirror bracket, users must prepare the glue to stick the mirror monitor on the windshield or in another location.
- The mirror monitor bracket is detachable.





## Connection



- Connect the **RED** wire to positive (12V or 24V DC) power terminal which is powered with the ignition key is in the **ACC** position.
- Connect the **BLACK** wire to a suitable negative connection point on the vehicle.
- Connect the **GREEN** (video 1 trigger) wire to the switched power output terminal of the "R" (reverse) gear. Trigger is always in priority.

### Caution:

- *Disconnect the ground terminal of the vehicle's battery BEFORE making the connection to avoid short circuits.*
- *Firmly and fully insert all connector to avoid loose connections.*

## Operation Instructions

When the ignition key is in the ACC or ON position, power is supplied to the monitor and the status LED light will display solid red. Press the CAM Select button or shift the vehicle into reverse gear to activate the monitor.

## Cleaning And General Maintenance

- If your vehicle has been parked in direct sunlight resulting in a considerable rise in temperatures inside the vehicle, allow the unit to cool off before operating.
- Clean the unit with a slightly damp soft cloth. Use a mild household detergent.
- Never use strong solvents such as thinner or benzene as they might damage the finish of the unit.

### Cleaning

Unplug or power off before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

### Ventilation

Holes in the cabinet and of the back or bottom are provided for ventilation, and to ensure reliable operation of the monitor equipment by protecting from overheating. These holes must not be blocked or covered.

### Object and Liquid Entry

Never push objects of any kind through monitor equipment holes as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the monitor.

### Servicing

Do not attempt to service this system by yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer servicing to qualified service personnel.

## Specifications

### DISPLAY SIZE

4.3 in

### ASPECT RATIO

16:9 (4:3 LCD display)

### RESOLUTION

480(h) × 272(v)

### VIEWING ANGLE

50(U) / 70 (D) / 70(L) / 70 (R)

### VIDEO STANDARD

NTSC / PAL (selectable)

### AUDIO

Yes; integrated speaker

### SYNCHRONIZATION

Internal

### CAMERAS SUPPORTED

2 ×

### SENSORS SUPPORTED

2 ×

### DISPLAY MODE

Single

### PARKING DISTANCE GRID LINES

Yes

### MIRROR IMAGE

Yes

### DIMMER

Yes (automatic)

### BRIGHTNESS

400 cd/m<sup>2</sup>

### ON-SCREEN DISPLAY CONTROL

Contrast, Brightness, Color, Normal/  
Mirror Image, CAM Select

### CONTROL BOX

Integrated

### POWER SUPPLY

12 ~ 24V DC

### POWER CONSUMPTION

≤5W

### OPERATING TEMPERATURE

-4° F ~ 158° F (-20°C ~ 70°C)

### STORAGE TEMPERATURE

-22° F ~ 176° F (-30°C ~ 80°C)

### WEIGHT

1.28lbs (580kg)

### DIMENSIONS (W × H × D)

11.02 × 1.18 × 3.58 in (280 × 30 × 91 mm)

### PART NUMBER

SV-LCD43M-KIT

## FCC Compliance Statement

### NOTE

This device has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference in which case the user will be required to correct the interference at his own expense.

### CAUTION

Any changes or modifications in construction of this device which are not expressly approved by the party responsible for the compliance could void the user's authority to operate the equipment.

## **CORPORATE HEADQUARTERS**

6100 W. Sam Houston Pkwy. N.  
Houston, TX 77041-5113  
[www.safetyvision.com](http://www.safetyvision.com)

Main: 713.896.6600  
Toll Free: 800.880.8855  
Fax: 713.896.6640