

# 622 SERIES QUICK INSTALLATION GUIDE

## Part Numbers SV-622LS and SV-622RS:

The part numbers SV-622LS (Left Side) and SV-622RS (Right Side) correspond to the side of the vehicle on which they are to be mounted. **Viewing the vehicle from the front, the SV-622LS (Left Side) camera is installed on the driver side; the SV-622RS (Right Side) is installed on the passenger/curb side. Both cameras can only be side-mounted facing to the front of the vehicle.**

*The SV-622 series collision avoidance cameras are aerodynamic side-mounted cameras with an adjustable pan/tilt installation and an extra-wide field of view. Use the following procedure to install the SV-622 series side-view cameras.*

## Installation Guide

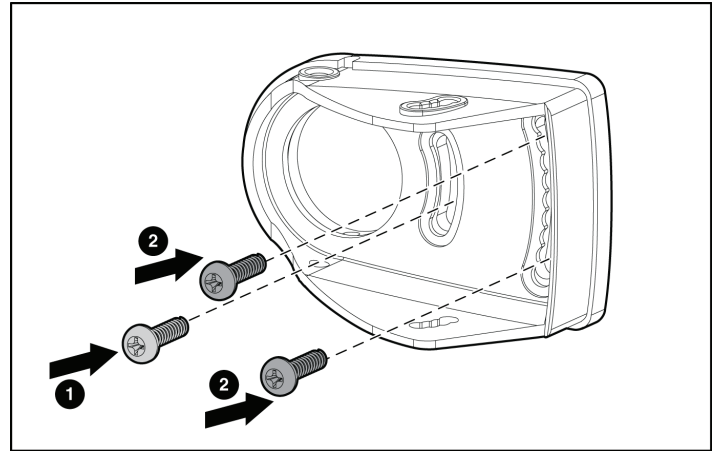
The customer should thoroughly read this guide before operating this product.

## Safety Precautions

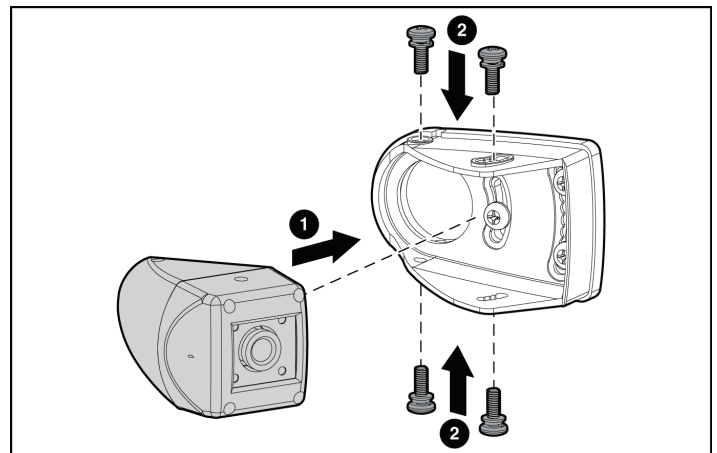
- To reduce the risk of electrical shock, disconnect the battery from the electrical system of the vehicle before starting the installation.
- Before inserting fasteners into the mounting surface, ensure that the underside of the mounting surface is clear of equipment that might be damaged by the screws.

## Installation

1. Using the base as a template, mark the approximate mounting location on the vehicle.
2. Drill a 0.875 inch hole for the camera cable (large hole) and one hole for the first screw in the slot nearest to the camera cable hole..
3. Using either a machine screw or self-tapping screw in the first slot from the camera cable hole, loosely attach the base and its rubber gasket to the vehicle.
4. Thread the camera cable through the large hole, connect it to the MDVR, and fit the camera in the base. Using an external monitor, adjust the vertical angle of the base to the desired field of view.
5. Temporarily remove the camera and tighten the first screw, then insert two additional screws in the front slot to secure the base to the vehicle.
6. Return the camera to the base and use two provided screws to loosely secure the rear of the camera to the base. Again using an external monitor, adjust the horizontal angle of the camera to the desired field of view.
7. Insert the remaining two screws in the front of the camera and tighten all four camera screws in place.



Base Installation



Camera Installation

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SPECIFICATIONS	
Image Sensor	¼ inch interline transfer CCD
Signal Format	NTSC
Picture Element	410,000 pixels (NTSC) / 470,000 pixels (PAL)
Horizontal Resolution	480 TV lines (NTSC) / 530 TV Lines (PAL)
Field of View	Diagonal - 120° / Horizontal - 96° / Vertical - 72°
Lens Focal Length	2.5 mm
Synchronization	Internal
Infrared Illuminators	4
Minimum Illumination	0 lux (with IRs on)
Audio	Yes; integrated microphone
Signal-to-Noise Ratio	>50 dB minimum (with AGC off)
Vibration	7G
Impact Rating	100G
IP Rating	IP69K
Power Requirement	12V DC
Power Consumption	3W
Operating Temperature	-22°F ~ 176°F (-30°C ~ 80°C)
Dimensions (w × h × d)	2.3 in × 2.2 in × 3.5 in (58 mm 56 mm 89 mm)
Weight	.55 lbs (8.8 oz)

## Limited Warranty

### LIMITED 1-YEAR NEW PRODUCT WARRANTY

Safety Vision, LLC ("SV") makes the following limited warranty, which is effective at the time of the original end-user purchase.

*Note - Optional warranty products are available for all SV products and may be purchased at the time of the original end-user purchase or any time during the original Limited 1-Year New Product Warranty period.*

SV warrants this product against defects in materials for a period of 1 year after the date of purchase. During this period, SV will repair or replace a defective product or part without charge to the customer. The customer must send the defective product or part to SV or an authorized SV dealer. The customer must pay for all transportation and insurance charges for sending the unit to be repaired. SV's total liability is limited to the original product cost.

### Installation Guide

The customer should thoroughly read this guide before operating this product.

## Customer's Responsibility

The above warranty is subject to the following conditions:

- Customer must notify SV within 10 days of discovering the defective product or part and provide a description of the defect and complete information about the manner of its discovery.
- All warranty servicing of this product must be performed by SV or an authorized servicing agent.
- Warranty extends only to defects in materials as limited above. Warranty does not extend to any product or part that has been lost or discarded by the customer; to damage to products or parts caused by misuse, accident, improper installation, improper maintenance, or use in violation of instructions furnished with the product; to units that have been altered or modified without authorization of SV; to damage to products or parts thereof that have had the serial number removed, altered, defaced, or rendered illegible; or to any failure of the product to function caused by burglary, fire, flood, war, riot, civil commotion, Acts of God, or any other condition beyond the control of SV.

## Obtaining Warranty Service

To obtain warranty service, the customer must contact the SV Service and Warranty Manager at 713.896.6600 or 800.880.8855 to report a defective product. (The customer must report the model number and serial number if available.) The Service and Warranty Manager will assist in troubleshooting the problem and, if necessary, issue a return material authorization (RMA) number. The customer must include this number on the outside of each package shipped to SV.

## Packing and Shipping Instructions

When a product requires service, only the affected component must be returned. The customer must use proper packing material to ensure against damage during shipping. Any shipping damage caused by improper packing is not covered under this warranty. In addition, the customer must include a return material authorization (RMA) number on the outside of each package shipped to SV and a letter explaining the defect with the product.

## How to Reach Us

If you have exhausted the information in this document yet require further assistance or information, please contact Safety Vision toll-free at 1-800-880-8855 or send an e-mail message requesting assistance to: [email@safetyvision.com](mailto:email@safetyvision.com).