

ADVENT[®]

Model: CAMTRK
ADD ON TRAILER CAMERA
Installation Manual



Features

- Heavy Duty Aluminum Housing
- High Resolution, ¼ inch Sony CCD Imager
- IP68 Waterproof
- Adjustable Camera Angle
- Heavy Duty Wiring Harness & Connectors.

NOTE: THIS PRODUCT MUST BE USED IN CONJUNCTION WITH AN EXISTING AFTERMARKET CAMERA/DISPLAY SYSTEM

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Warnings

The product is intended to assist in safe driving and to allow the driver to have a broader rear view while the vehicle is in reverse. You, as the driver, are solely responsible for the safe operation of your vehicle and the safety of your passengers according to local traffic regulations. Do not use any features of this system to the extent it distracts you from safe driving. Your first priority while driving should always be the safe operation of your vehicle. Audiovox Electronics Corporation cannot accept any responsibility whatsoever for accidents resulting from failure to observe these precautions or safety instructions.

1. This product utilizes high voltage. Any unauthorized modifications or damage to the product may result in electrical shock. Handle all components with care. Inspect regularly for damage to components and cabling.
2. You are responsible for ensuring that the installation of this product does not void or affect the vehicle manufacturer's warranty. Audiovox Electronics Corporation or its subsidiaries are not liable in full or in part for improper installation resulting in loss or damage to your property, or for voiding all or part of the vehicle manufacturer's warranty.
3. Do not apply excessive force to any of the components contained within this kit. Excessive force used before, during or after installation that results in a damaged or non-functional part will void all warranties.
4. Please follow the procedures in this installation manual. Improper installation or modification of this product will void all warranties.

Product Description

This heavy duty commercial camera allows for a clear view from behind your trailer when reversing.

This will dramatically improve visibility and reduce the chances of an accident.

This Wired Camera is compatible with most monitors/TFT screens and can be connected using a standard RCA connector.

Packing List

Parts	Part #	Quantity
Camera	121100000130001400	1
Switching Box	31402100	1
Spiral Cable	31402510	1
S-video Extension Cable	31402520	1
S-video Connecting Cable	31402530	1
S-Video RCA Cable	31402540	1
Adaptor Cable	31402400	1
Cable Connector Bracket	31402180	2
Installation Kits	31402010	1
Manual	31402020	1

Camera Installation

1. Find a suitable location on the trailer where the bracket will not interfere with any equipment or doors, or block the line of sight. Verify that the planned mounting location has access to route the wiring to the trailer connector. Be sure that the mounting screws will not hit any wires or equipment inside the vehicle.
2. Attach the surface mounting bracket to the vehicle with the hardware included.
3. Route the camera wiring to the trailer connector mounting point. **When choosing a wiring path, make sure the cable will not be damaged or pinched, as this may cause a short circuit that is not covered by the warranty.**
4. Install the Trailer connector using the supplied mounting bracket and hardware. Do not install in a location that could be submerged or damaged by road debris.

Module Installation

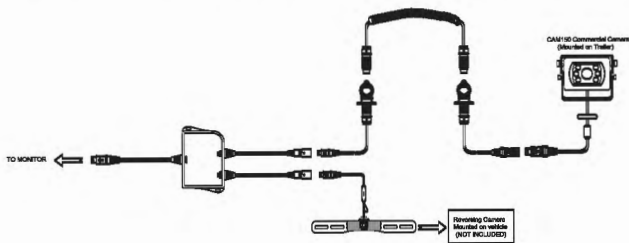
1. Locate the connection between the camera already installed in the vehicle and the extension wire up to the screen at the front of the vehicle (if installing into a vehicle with an Advent system installed the connector will be 2ft from the camera).
2. Unplug the car mounted camera and plug it directly into the CAMTRK module (use the RCA adaptor harness if required).
3. Plug the wires going to the monitor directly into the CAMTRK module (use the RCA adaptor harness if required).
4. Ensure that you connect reverse power per the camera instructions if using the RCA adaptor harnesses.
5. Run the extension from the module to the trailer connector. Mount the trailer connector at the rear of the vehicle near the normal 7 pin trailer power/brake connector plug.
6. Connect the trailer camera plug to the connector on the vehicle using the spiral harness. Insure that both connections are seated correctly and completely. The Cable should lock into place.

Connecting the Video Signal

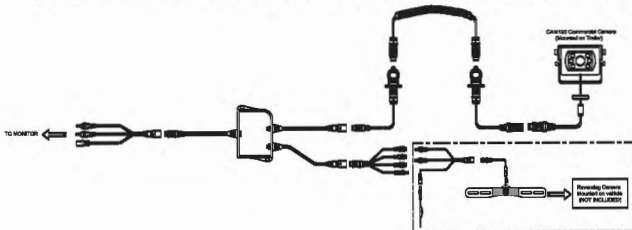
1. If used with an Advent LCD Monitor such as LCD4WM or LCDM42 the camera power and signal will be provided through a single cable to the monitor (supplied with the monitor).
2. If using an alternative monitor, use the adaptor harness to split the signal to RCA connections then connect to the female RCA input on the alternative monitor.

Camera Wiring

A) Installation using Advent Monitor and Vehicle Mounted Camera



B) Installation using non-Advent supplied Vehicle Camera/Monitor



Specifications

Image device:	1/4" Sony Super HAD CCD imager
Scanning system:	NTSC
Number of Pixels:	NTSC: 510(h) x 492(v) ,
Angel of view:	135°
InfraRed distance:	10 m
Usable illumination:	0 lux (LED on)
IR switch control:	Photo sensor automatic control
S/N ration:	>48db (AGC off)
Vibration:	5.0G
Operating temperature:	-10 ~ +80°C
Operating voltage:	DC9V ~ DC28V

Troubleshooting

Symptom	Solution
No video signal appears while reversing the vehicle	<ul style="list-style-type: none">• Check the connection between truck and trailer. Make sure it is clean and the cable has not been damaged. Check the rear view camera wiring connection and RCA connection.• Check the fuse, if blown replace ONLY with the correct size.
Video image is not sharp enough	Clean the camera lens.

///ADVENT® Collision Avoidance Products Limited Warranty

Audiovox Electronics Corporation ("the Company") is committed to quality and customer service, and are pleased to offer you this Warranty. Please read it thoroughly and contact the Company at 1-800-323-4815 with any questions.

Who is covered?

The Company extends this warranty to the original retail purchaser of products purchased through an authorized Advent retailer or distributor in the U.S.A., Puerto Rico or Canada. This warranty is not transferable or assignable. Proof of purchase is required in the form of an original sales receipt.

What is covered?

The Company warrants that should this product or any part thereof, under normal use, be proven defective in material or workmanship within three years (36 months) from the date of original purchase, such defect(s) will be repaired or replaced with a new or reconditioned product (at the Company's option) without charge for parts and repair labor.

What is not covered?

This Warranty does not cover the following:

- Damage incurred during shipping or transporting the product to the Company or a service center
- Elimination of car static or motor noise
- Defects in cosmetic, decorative or non-operative structural parts
- Correction of installation problems
- Costs incurred for installation, removal or reinstallation of the product
- Consequential damage to other installed accessories or vehicle electrical systems including vehicle batteries.
- Damage caused by improper installation, mishandling, misuse, neglect, accident, blown fuse, battery leakage, theft or improper storage
- Products whose factory serial number/bar code label(s) or markings have been removed or defaced
- Damage resulting from moisture, humidity, excessive temperature, extreme environmental conditions or external natural causes

Limitations

THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT. This Warranty is in lieu of all other express warranties or liabilities. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 36 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER. No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Obtaining Warranty Service

- To obtain repair or replacement within the terms of this Warranty, call 1-800-323-4815 for the location of a warranty station serving your area.
- You must prepay the initial shipping charges to the Company. The Company will pay the return shipping charges for all warranted products returned to an address within the U.S.A., Puerto Rico or Canada.
- Please package the product securely to avoid shipping damage. We recommend using a carrier that provides tracking service to prevent lost packages. Lost or damaged packages are not covered by this warranty.
- Provide a detailed description of the problem(s) for which you require service.

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For Customer Service
Visit Our Website At
www.audiovox.com
Product Information, Photos,
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