

AUDIOVOX®

COLLISION

AVOIDANCE



- Rear Observation Systems
  - Back-up Systems
    - Cameras
    - Monitors

2013

## **FOCUSED ON SAFETY; DELIVERING CONVENIENCE**

Audiovox has long been committed to technologies that eliminate vehicle blind spots – which in some of today’s larger automobiles can extend as much as 50 feet from the rear of the vehicle. Tragically, it’s not just property at risk when rear obstacles are hidden from view. Too many children fall victim each year to backup accidents that Audiovox technology can avoid.



To motivate more and more drivers each year to implement our high-performance driver assistance and safety systems, our engineers continue developing products that are effective, affordable and easy to install. It’s just one more positive and tangible way that Audiovox impacts American families each day.

As a result, today we can proudly say, that with a robust line of versatile driver assistance and safety technologies available – including full-color monitors, easy-mount cameras and high-performance RF sensors – Audiovox demonstrates its continued commitment to protecting both pedestrians and drivers.

# REAR OBSERVATION SYSTEMS

## ACA240

### Wireless Vehicle Rear Observation System

- Complete wireless vehicle rear observation system
- Includes: camera, monitor, and all required items to install
- 2.4 GHz wireless transmitter eliminates the need to run wires through the vehicle.
- Automatically turns on when the vehicle is put into reverse.
- 110° wide angle camera for better viewing
- New smaller camera bracket won't hide registration stickers
- Monitor mounts on dash or windshield



# SENSORS



## PSB100

### 4 Sensor System (Rear Mounted Application Only)

- Four sensors detect obstacles over 4.5 feet away from the bumper
- Rear mounted application only
- Includes 0°, 4°, 8°, and 16° angle sensor sleeves to fit most bumpers up to 16°
- Sensors can be flush installed without the sleeves for a more OEM look in plastic bumpers
- Adjustable buzzer volume and single color red LED warning module helps with object range notification
- 1 year warranty
- Three detection zones give the following warnings:
  1. slow beep within 4.5 – 2.5 feet, slow flashing LED indicator.
  2. medium beep within 2.4 – 1.3 feet, medium flashing LED indicator.
  3. steady tone within 1.3 feet, rapid flashing LED indicator. Ranges are approximate and will vary depending on installation, weather conditions, and object size and shape.

## SPC3

### 13/16" Hole Saw

- For installing sensors without sensor sleeves into plastic bumpers

## SPC4

### 26mm\* Hole Saw

- 26mm\* hole saw for installing sensors with the sensor sleeves in metal bumpers

\*Always use the sensor sleeve for any metal bumper.

# CAMERAS

## CMOS2

### 5-In-1 Multi Mount Back-up Camera

- Camera mounts 5 ways; surface mount, traditional drilled mount, snap-in mount, short butterfly mount, and long butterfly mount
- Removable front trim ring can be painted to match vehicle's exterior
- Compatible with any monitor with a standard RCA video input
- Selectable normal or mirror image view
- Weather resistant camera housing – IP66 tested and certified
- CMOS camera element with a 170° wide angle view
- Camera power supplied by reverse lights for easy installation
- Resolution 510 X 492



\* Included components

## ACA200W

### License Plate / Surface Mounted Wired Back-up Camera

- Patented design
- Camera mounts behind the license plate-does not obstruct the license plate
- Includes a surface mounting bracket for more installation options
- Compatible with any monitor with a standard RCA video input
- Selectable normal or mirror image view for multiple mounting options (Front or Rear)
- Weather resistant camera housing – IP66 tested and certified
- CMOS camera element with a 130° wide angle view
- Camera adjusts vertically to optimize viewing angle
- Camera power supplied by back-up lights for easy installation
- 25' Extension RCA video cable included
- Resolution 510 X 492



\* Included components

# CAMERAS

## CAM500

Universal tailgate back-up camera

- 170 degree extended view for full behind vehicle safety
- Waterproof under vehicle connection with disconnect protection
- Aluminum powder coated housing
- Selectable parking lines and reversible viewing angle
- 3 year warranty



\* Included components

## ACA400

OE-Style Back-up camera

- 1/4" CMOS high resolution color camera
- Compact ABS plastic body
- Waterproof housing
- 150° wide-angle lens
- 0.3 lux minimum illumination
- 672 x 520 resolution
- Waterproof – IP67 rated
- Hole saw included



\* Included components

## ACA500

Shaft-mount OE-style Back-up camera

- 1/4" CMOS high resolution color camera
- Compact zinc alloy die-cast body
- Waterproof housing
- 150° wide-angle lens
- 0.3 lux minimum illumination
- 672 x 520 resolution
- Waterproof – IP67 rated



\* Included components

## ACA600

Mini-bullet backup camera

- 1/4" CMOS high resolution color camera
- Surface or flush mount
- Compact, zinc alloy die-cast body
- Waterproof housing
- 135° wide-angle lens
- 0.01 lux minimum illumination
- 656 x 488 resolution
- Waterproof – IP67 rated
- Hole saw included



\* Included components

## ACA700IR

Surface-mount backup camera with IR assist

- 1/4" CMOS high resolution color camera with IR night vision assistance
- Surface mount
- ABS plastic body
- 120° wide-angle lens
- 0 lux minimum illumination
- 648 x 488 resolution
- Waterproof – IP67 rated



\* Included components

# MONITORS

## NM100

Universal Navigation Mirror with Touch Screen Controls and Bluetooth®

- 4.3" High Definition Touch Screen
- Built-in iGo Primo Navigation Display. Can be set to only show when directions are needed
- 19" on-screen display languages
- Text - to - Speech recorded voice guidance in English, French and Spanish
- 11 million POI's with 3D landmarks and building graphics, junction view and more.
- Built In Bluetooth with Phone book
- Back Up Camera Input
- Easy installation with built in audio and antenna
- Comes with standard mount\*



\* Mounts for Honda, Volkswagen, Hyundai and Toyota available

\* Included components



\* Included components

## ACAM350

3.5" LCD TFT Rear Observation Monitor

- Compatible with most video back-up cameras
- Single RCA type video input
- Flexible mounting base comes complete with 3M brand automotive grade mounting tape to mount the monitor securely on either the vehicle windshield or dashboard
- Power is supplied by the back-up lights at the same location as the camera reducing installation time
- Monitor turns on automatically when the vehicle is in reverse and the camera is activated
- A 19' long wire harness is included to fit most vehicles

## LCDM40A

Replacement Rear View Mirror with Embedded 4" Backlit Digital Monitor

- OEM style replacement rear view mirror fits Ford, GM, Chrysler/Jeep mounts and includes adapters for Toyota and Honda vehicles
- Dual inputs for second camera or continuous monitoring
- Contrast, brightness, volume, and mirror/normal monitor mounted controls
- Selectable alignment overlay lines
- Brightness auto-adjusting monitor based on the vehicle interior light level
- Recommended cameras: CMOS2 and ACA200W
- The LCDM40A monitor is compatible with any Audiovox hardwired camera and/or any observation camera with an RCA video jack



\* Included components

# DISPLAYS

## DPCAPW

Safety and Convenience  
Display with Power Supply

- Dimensions: 16" (H) x 12" (W)
- Power supply included
- Does not include product

## DPCAEG

Safety and Convenience  
Non-working Display

- Dimensions: 16" (H) x 12" (W)
- Graphics only
- Does not include product or power supply



DPCAPW

## LTAA212

Safety and Convenience  
Counter Card

- Dimensions: 12" (H) x 9" (W)
- Easel back

## LTAA218

Audiovox Parking Sensor  
Counter Card

- Dimensions: 12" (H) x 9" (W)
- Easel back



LTAA212



LTAA218

## KIDS AND CARS AND AUDIOVOX

Audiovox's vision for its Rear Collision Avoidance Systems has been continually sharpened and strengthened by its relationship with the groundbreaking national organization KIDS AND CARS. KIDS AND CARS continues to be this country's leading advocate for legislation that protects children from needless backover accidents. Most notably, the Kids Transportation Safety Act of 2007.



The need for such legislation is staggering:

- 50 children every week are backed over in driveways and parking lots
- Backovers are the leading killer of children in non-traffic accidents - 42%
- From 2004-2008, 439 children were killed in backover accidents

Audiovox is proud to serve as consultants and as a technology partner with KIDS AND CARS. We were there side-by-side with its founder when she presented and helped pass this vital bill into law.

**Source: KidsAndCars.org 2010**

## ABOUT AUDIOVOX ELECTRONICS CORPORATION (AEC)

Audiovox Electronics Corporation (AEC) is a wholly owned subsidiary of VOXX International Corporation (NASDAQ:VOXX), a leading, global supplier of mobile and consumer electronics products. The Company holds number one market share in rear seat entertainment as well as remote start systems. AEC is also a recognized leader in the marketing of automotive entertainment, Location Based Services (LBS), rear observation systems, and vehicle security. It's extensive distribution network includes power retailers and 12-volt specialists as well as nearly all of the major vehicle manufacturers ("OEMs"), both domestically and abroad.

Audiovox Electronics possesses a strong brand portfolio and its products ranks among the top ten in almost every category in which they sell. Primary brands include Audiovox®, Invision®, Jensen®, Omega®, Advent®, Code Alarm®, Prestige® and Excalibur®.

Headquartered in Hauppauge, NY, Audiovox Electronics has a manufacturing facility in the United States, and a robust international footprint with offices in Europe, Canada, Mexico and Venezuela. For additional information, please visit our Web site at [www.audiovoxproducts.com](http://www.audiovoxproducts.com).



## ABOUT VOXX INTERNATIONAL CORPORATION

VOXX International Corporation (NASDAQ:VOXX). The Company that began as Audiovox over 45 years ago has morphed into a worldwide leader in many automotive and consumer electronics and accessories categories, and now into premium high-end audio. The Company's brands hold leading market positions across a wide-spectrum of consumer and automotive segments.

Today, VOXX International is a global company...with an extensive distribution network that includes some of the world's Fortune 500 companies and an international footprint in Europe, Asia, Mexico and South America, and a growing brand portfolio, which is now comprised of over 30 trusted brands including Audiovox®, Klipsch®, RCA®, Invision®, Jensen®, Acoustic Research®, Jamo®, Energy®, Mac Audio®, Magnat®, Heco®, Schwaiger®, Hirschmann Car Communication® and Oehlbach®. The Company continues to drive innovation throughout all of its subsidiaries, and maintains its commitment to exceeding the needs of the consumers it serves. For additional information, please visit our Web site at [www.voxintl.com](http://www.voxintl.com).



VOXX International and all of its family of brands are committed to helping save our environment. To that end, all printed materials produced by us are printed on recyclable paper using only biodegradable eco friendly coatings. We use soybean rather than petroleum based inks. Our printing presses have "Purge on Press" capability; use no alcohol and therefore result in no vapor pollutants in the air.

### IMPORTANT SAFETY NOTICE

It is unlawful in most jurisdictions for a person to drive a motor vehicle which is equipped with a television viewer or screen that is located in the motor vehicle at any point forward of the back of the driver's seat, or that is visible, directly or indirectly, to the driver while operating the vehicle. This product should ONLY be installed to the rear of the back of the driver's seat where it will not be visible, directly or indirectly, to the operator of the motor vehicle. In addition, the state of Rhode Island forbids the installation of such a device in a motor vehicle.

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