

STAY  
ALERT

# Vehicle Sensors

## AutoVue Forward Collision Warning

*[An "extra" set of eyes on the road]*

According to a March 2006 study released by the Federal Motor Carrier Safety Administration (FMCSA), rear-end collisions represent 23 percent of all collisions, when the truck driver is at fault. A study by DaimlerAG adds that an extra second of warning time can prevent about 90 percent of rear-end collisions. Most rear-end collisions are preventable if the driver uses safe following distance practices.

Iteris' radar-based AutoVue Forward Collision Warning system (FCW), manufactured by Delphi, instills driver awareness of safe following distances and also aids in reducing the chance and severity of forward collisions including, stopped vehicles. The system constantly monitors following distance and alerts the driver when safe following distance thresholds are exceeded.

Iteris' AutoVue Forward Collision Warning System scans the roadway up ahead for vehicles, or other objects in your lane. If the system detects an object in your lane, it is evaluated for being a headway alert target. Iteris' AutoVue FCW provides a warning to the driver whenever the headway gap to the vehicle ahead falls below a designated safe following distance. A warning sounds to the driver to slow down and to increase the gap to the vehicle ahead. If the alert goes unheeded, the warning increases in intensity until a safe following distance is reached.

### Default Warning Ranges\*:

- Within 4 seconds to a vehicle:  
Cautionary Warning Alert
- Within 2 seconds to a vehicle:  
Tailgate Warning Alert
- Within 1 second to a vehicle:  
Collision Warning Alert



In addition, Iteris' AutoVue Forward Collision Warning System has a special virtual bumper mode. This is a low speed feature that will alert the driver if their vehicle is getting too close to another vehicle while at a stop.

Every system is built and tested to vigorous OEM standards. The system is available as an aftermarket option and can be easily installed or transferred from one truck to another in only a few hours.



## Benefits

- Promotes safe driving practices by conditioning drivers to maintain safe following distances.
- Helps provide additional time to react to slow moving or stopped vehicles
- Helps drivers to avoid or reduce the severity of rear-end accidents
- Operates under a wide range of environmental conditions including rain, snow, fog and darkness

\* Warning Ranges may be set to individual fleet requirements.



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## Features

- Very low false alarm rate
- Tight beam width ensures that overpasses do not create false alarms
- Detects stopped vehicles
- Warning alerts adjustable per fleet request
- Proven production since 1999
- Support available 24 hours a day, 7 days a week
- In the near future, Driver performance information will be available in Iteris' Safety Direct Data System
- Cruise control disable

### Not Only Is It The Right Thing To Do, It's A Good Business Decision

The financial impact of a crash can be devastating to a fleet. From the loss of a driver, operational costs, environmental factors and property damage, to legal fees and court costs for victims their passengers, accident costs can cripple your business.



The above numbers include only direct costs of accidents. Indirect costs, such as insurance and workers' compensation increases, effects of an adverse federal safety rating, the loss of customer goodwill and a fleet's public image can also significantly affect the bottom line.

### A Comprehensive Suite of Active Safety

Iteris offers a comprehensive suite of active safety driver assistance features that focus on increasing the safe operation of heavy trucks. These features also include Iteris' AutoVue Blind Spot Warning system, manufactured by Delphi; Iteris' market-leading vision-based Lane Departure Warning (LDW) system, and the Iteris Safety Direct™, data collection system. The combination of these systems creates an overall best-in-class active safety package.

