

A white truck cab is shown from a side-front perspective, mounted on a blue and white lift. A black camera is mounted on top of the cab. The truck's headlights and grille are visible. The background is a bright, possibly outdoor or well-lit indoor setting.

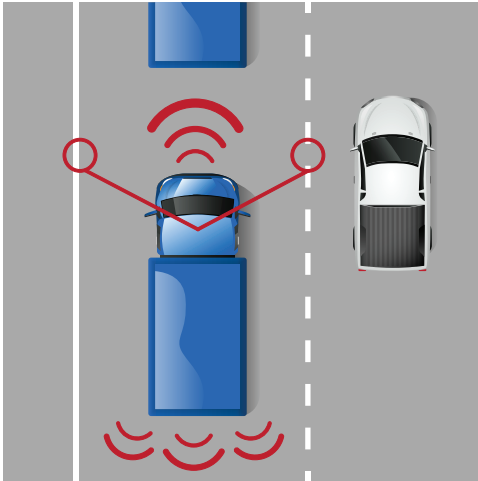
truckCam™

COLLISION AVOIDANCE

**ADAPTIVE CRUISE CONTROL
& LANE WARNING SYSTEM**

KEEP TRAFFIC SAFE WITH TRUCKCAM

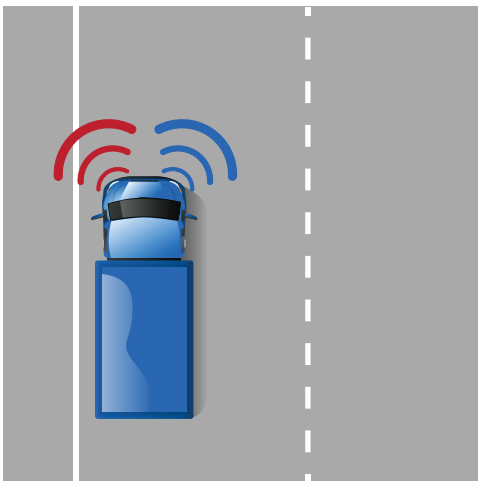
ADAPTIVE CRUISE CONTROL AND LDWS (Lane Departure Warning System) assist the driver to adapt the speed and position of the vehicle in relation to the distance of the vehicles in front. These sensors are also part of the AEBS (Advanced Emergency Braking System). It is of great importance that these sensors are properly aligned parallel to the driving direction of the vehicle.



ACC SYSTEMS REQUIRES WELL CALIBRATED SENSORS

USING A FORWARD-LOOKING RADAR, the ACC system automatically detect and adjust the speed to maintain a proper distance between vehicles in the same lane. The system sends a signal to the engine or braking system to decelerate if the lead vehicle slows down or if another object is detected.

For the correct functioning, the sensor's direction and the driving axle should be adjusted with a very small tolerance.



BETWEEN THE LANES WITH ALIGNED CAMERAS

WITH A CAMERA MOUNTED IN THE WINDSHIELD, the LDWS safety system recognizes the striped and solid lane marks, detecting unintentional lane changes and warning the driver that the vehicle is about to veer out of lane.

To keep the vehicle straight between the lanes, the LDWS system adjustment is made by aligning the cameras according to the driving axle of the vehicle.

MEASURING PRINCIPLE

TWO SELF CENTERING industrial frame gauges with integrated reflective targets are mounted at a right angle to the frame, one in the front and one in the rear. This determines the frame centerline.

The cameras measures at which angle the axle is positioned relative to the centerline of the frame, and shows necessary corrections on the screen.



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