

BACKUP SENSOR COLLISION AVOIDANCE SYSTEM

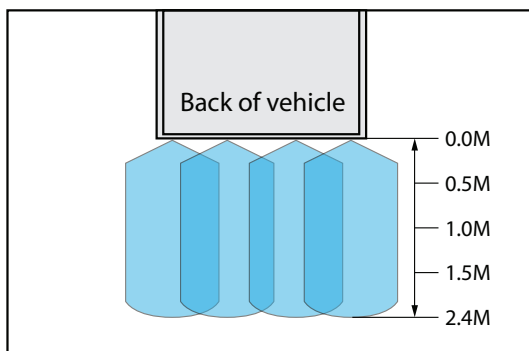


The Safety Vision Backup Sensor enhances the functionality of a standard rear vision camera and monitor system by providing on-screen visual as well as audio indicators of obstructions approaching the rear of the vehicle. The backup sensors are automatic – the driver never forgets to turn them on – increasing safety and integrating seamlessly into normal vehicle operation.

SPECIFICATIONS

Backup Sensor

Voltage Rating	12V DC
Power Requirement	9-16V
Operating Temperature	-30°C to approx. 80°C
Current Rating	20~200mA
Ultrasonic frequency	40kHz
Detection range	0.2 ~ 2.5m



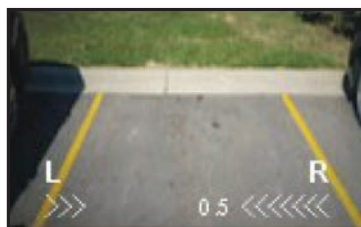
Distance	Alarm Sound
0-0.5 m	Constant sound
0.5-1.0 m	5 beeps per second
1.0-1.5 m	2 beeps per second
1.5-2.4 m	1 beep per second

Total Integration

The Backup Sensor provides feedback displayed on the rear vision monitor. Select between two different on-screen displays: a graphic indicator shows exactly where relative to the vehicle an obstruction is, or a distance display. A programmable audio tone also sounds, alerting the driver even if he is not looking at the monitor.

Advanced Learning Function

Once installed, the Safety Vision Backup Sensor can be calibrated to account for a variety of different objects installed on the rear of the vehicle, such as spare tires, tow hooks, trailer hitches, and other equipment. Both the sensitivity of the sensors and the volume of the audio tone can be adjusted for a completely custom installation. Sensors can be installed directly into a vehicle bumper or in rugged mobile-rated brackets for attachment to semi-trailer push bars and similar devices.



OSD with distance indicator



OSD with graphic indicator