

Backsense® Radar Obstacle Detection

Industries such as mining, quarrying, agriculture and construction use machines and plant equipment, which by their very nature pose a danger if they are not managed safely. Blind spots tend to be much larger on these vehicles and include not only the rear and nearside but also the front, especially with elevated driver positions.

Backsense® heavy-duty radar sensor systems are designed to detect people and objects in blind spots, significantly reducing accidents.

- Unique to Brigade
- Controlled beam pattern to minimize false warnings
- 5 stage audible and easy-to-read visual display
- Suitable for both on and off-road applications
- Heavy duty – Designed for severe weather conditions and all terrains

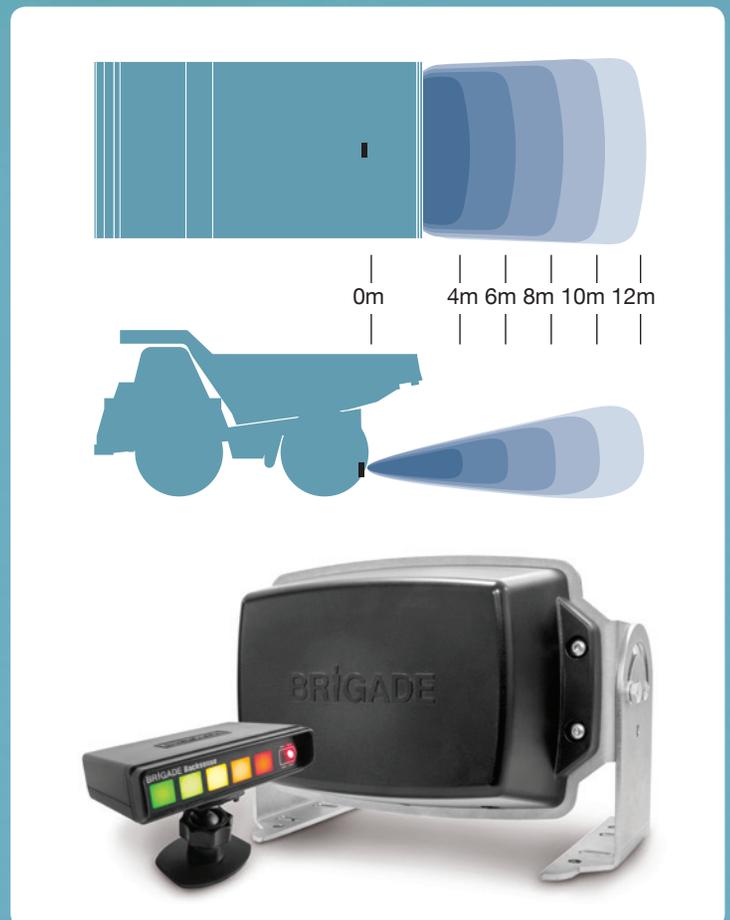


Features & Benefits

Backsense® radar uses Frequency Modulated Continuous Wave (FMCW) technology, transmitting a continuously varying radar frequency signal with unique time stamps to each instance of the wave. The time of the returning wave is referenced to the stamp without the radar needing to pause transmitting. This gives more accurate detection than alternative radar products using Pulsed Radar technology that transmit a burst of radar and then listen for the returning wave.

Backsense® is available in 3 pre-set width and length models and a fully programmable radar, allowing complete control of the radar beam pattern and detection area. The spread and length of the beam can be set to the width of your vehicle or beyond (from 2m to 10m (6.5ft-33ft) width and 3m to 30m (10ft-98ft) length) and bespoke detection areas can be set to calibrate-out fixed objects or bodywork.

- 5 stage audible and easy-to-read visual display
- Frequency modulated continuous wave radar technology
- Controlled beam pattern to minimize false warnings
- Excellent close-in detection
- Suitable for both on and off-road applications
- Heavy duty – Designed for severe weather conditions and all terrains
- Unaffected by moisture, dust, vibration, heat, cold, UV, snow, ice, high wind, water and mud.



Brigade's range of safety systems meet a host of Health and Safety and legislative requirements.

Designed to assist the driver, workers, and vulnerable road users they can eliminate blind spots, prevent costly vehicle damage, and more importantly save lives.

Vehicle types:

Wheel Loader



Telehandler



Dump Truck



Work Truck



Benefits include:

- All-round visibility for safer, faster operation
- Fewer noise complaints
- Reduced accidents and fatalities
- Reduced insurance premiums
- False claim prevention
- Reduced vehicle downtime
- Peace of mind for management and workers
- Strengthened reputation in the community



Backsense® Radar

- Rear obstacle detection



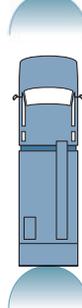
Backsense® Radar

- Rear obstacle detection



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- Rear obstacle detection



Backsense® Radar

- Front and Rear obstacle detection

Brigade Electronics Vehicle Safety Solutions

Camera Monitor Systems

Mobile Digital Recording

Backup & Warning Alarms

Ultrasonic Obstacle Detection

Radar Obstacle Detection