

Obstacle Detection

- Overlay detection data for up to 2 radar sensors on a single monitor.
- Compiles with CAN 2.0A Base Frame Format.
- Detects multiple moving and stationary objects.
- High frequency continuous wave provides increased reliability & low false alarm rates.
- Adjustable detection range up to 30m.
- 3 trigger inputs used for activating components such as alarms and beacons.
- Environmentally sealed sensor – IP69K
- Sensor can be steam & pressure cleaned.
- Multi-voltage.
- 3 year warranty.



Monitor is not included in the kit



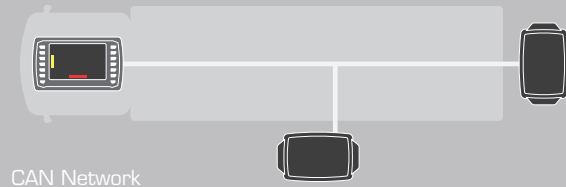
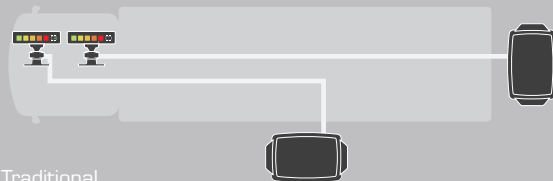
Network Radar with OSD Kit

Voltage :	12–24V
Current Draw :	0.4A
Radar Frequency :	24.05GHz to 24.25GHz
Weight :	Radar Sensor 0.7kg
Vibration :	8.3G
Shock :	100G
EMC :	CE & 'e' marked
Approvals :	ISO 16750/13766, EN13309 & FCC
Operating Temperature :	-40°C to 85°C
Ingress Protection :	IP69K

Backsense® Network Radar

Brigade's Backsense® Network Radar System is the next generation of radar-based obstacle detection. Due to the number of complex blind spots on a vehicle, a single radar cannot always provide the detection required and numerous in-cab displays for multiple radars can be more of a distraction than a benefit.

Aimed at OEM and specialist applications, Brigade's Network Radar with OSD Kit allows you to connect and link 2 sensors to cover large, sometimes complex blind spot zones around a vehicle or machine.



On-Screen Display

Multiple radars with individual in-cab displays can cause confusion and also be a challenge to install. Brigade's latest innovation, the Backsense® OSD (On-screen Display) ECU allows for the use of 2 Backsense® Network Radar units to be combined with any Brigade Backeye® camera system.

Radar detection data is overlaid transparently* along the edge of the monitor so as not to obscure the camera image with the audible warning via the monitor speakers.

*Transparency level can be adjusted via software.

When an object is detected in the YELLOW zone, the associated on-screen indicator will turn yellow and a pulsed audible alert is played through the monitor's speaker. 🗣️)))))) 🗣️



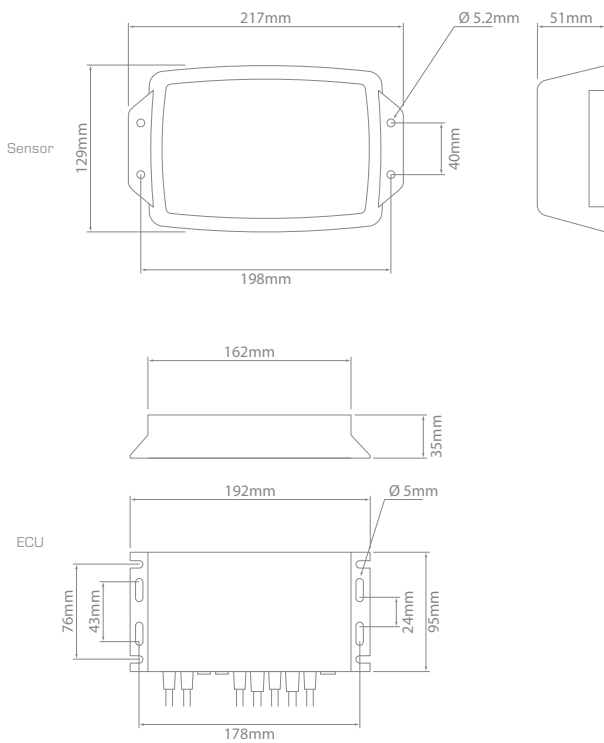
When object is detected in RED zone, the associated on-screen indicator will turn red and a constant audible alert is played through the monitor's speaker. 🗣️))))))))) 🗣️



Each radar sensors' detection notification can be assigned to one of eight predefined positions overlaid around the edge of a monitor.



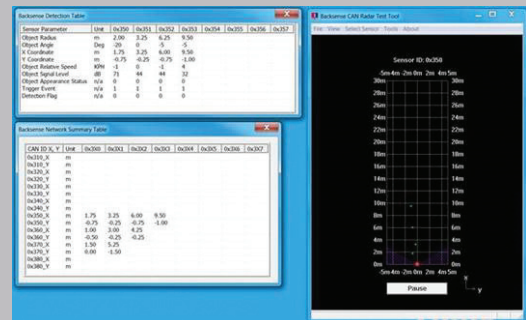
Obstacle Detection



Configurable

Backsense® Network Radar kit with OSD is supplied with easy to use PC software for setting the following parameters :

- Detection zone length & width.
- Blind area mapping.
- Buzzer starting zone.
- Trigger output length.



Backsense Network Radar with OSD Kit

Part No.	Detection Distance (m)	Detection Width (m)	Camera Inputs	Trigger Inputs	Trigger Outputs* (0.5A)
BS-9001-OSD	3 – 30	2 – 10	2	3	3

Kit contains:
 1 x BS-9000 sensor unit
 1 x OSD ECU
 3 x Network Y cable
 2 x CAN bus terminator
 1 x 9m extension cable
 1 x Network power input cable
 Sensor mounting hardware
 Manual & software available on IONNIC website

Supports up to 2 Backsense Network Radars.
 Compatible with Brigade Backeye systems, including Backeye 360 and Brigade Digital Mobile Recorders.
 *1 x output for alarm use only.

BS-9000 Single network radar sensor unit

BS-05B Adjustable sensor bracket

