

Backward Monitoring System for Grader Machine

Feature

- Designed to prevent a collision with a vehicle approaching from back or with an object in the driver's blind spot
- Used miRadars®8 24GHz FMCW MIMO radar platform that provides accurate distance and azimuth of the vehicle
- Can be used for construction and agriculture machines.



1. Sensor Unit: DsB229S
 - Installed in rear side with an attachment for absorption of vibration
 - Mounted the miRadars®8 Radar sensor module
 - W 150mm x D 110mm x H 40mm



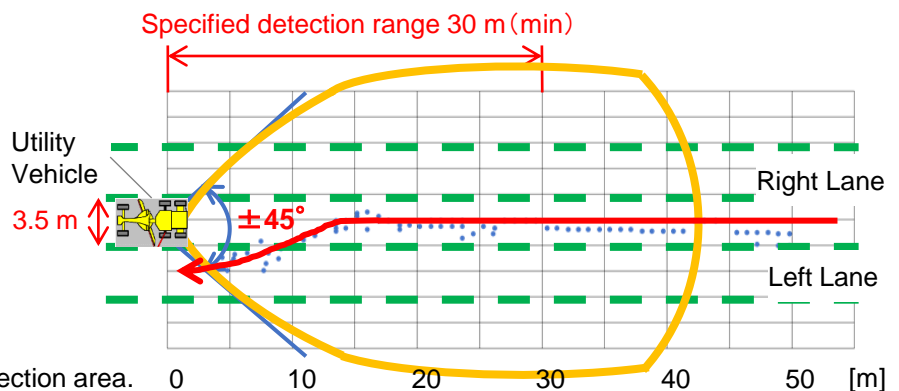
2. Signal Processing Unit: DsB229P
 - Installed in cabin
 - W 228mm x D 180mm x H 50mm



3. Alarm unit: DsB229A
 - Installed in a front of driver's seat.
 - W 100 mm x D 40 mm x H 80 mm

Functionality

- Measurement of positions and speed of approaching vehicles from back and detects collision risk
- Alarming to the driver with a buzzer and a LED when the collision risk is detected
- A solid yellow line indicates the detection area.
- Blue dots indicate the measured positions of an approaching vehicle.
- A solid red line indicates the route of the vehicle approaching from behind.



Applications

- Backward monitoring system for Grader machines
- Rear monitoring of Construction and/or Agriculture machines, and obstacle detection



Ordering Number

Product Name	Product Number	Comments
miRadar@8 <gradar>	B229S	Sensor unit
	B229P	Signal Processing Unit
	B229A	Alarm unit
	B229R	Connection cable

Note : Any product appearances, specifications, etc. are subject to change for improvement without prior notice. When exporting the product, confirm the country of destination, application, and customer. If any of them falls into an objective requirement, please take the necessary procedures, including export certificate application.

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