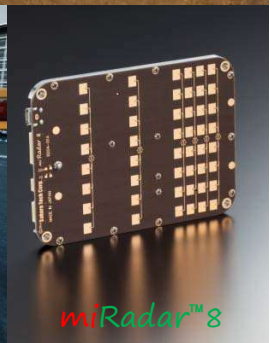


# BACKWARD MONITORING SYSTEM FOR UTILITY VEHICLES



## OVERVIEW

- Backward monitoring system prevents a collision with a vehicle approaching from behind or with an object in the driver's blind spot by using miRadar™8, a 24-GHz radar sensor module.
- The MIMO (multiple-input and multiple-output) radar technology enables high-precision, wide-azimuth angle detection of an approaching object.
- The 24-GHz radar sensor solution detects objects regardless of weather conditions.
- The system can be used for utility vehicles such as construction vehicles and agricultural equipment.



## OVERVIEW



1. Sensor unit: DsB229S
  - This unit is installed on the back of the vehicle with a vibration reduction mount.
  - This unit includes the miRadar™8 module.
  - W 150 mm x D 110 mm x H 40 mm



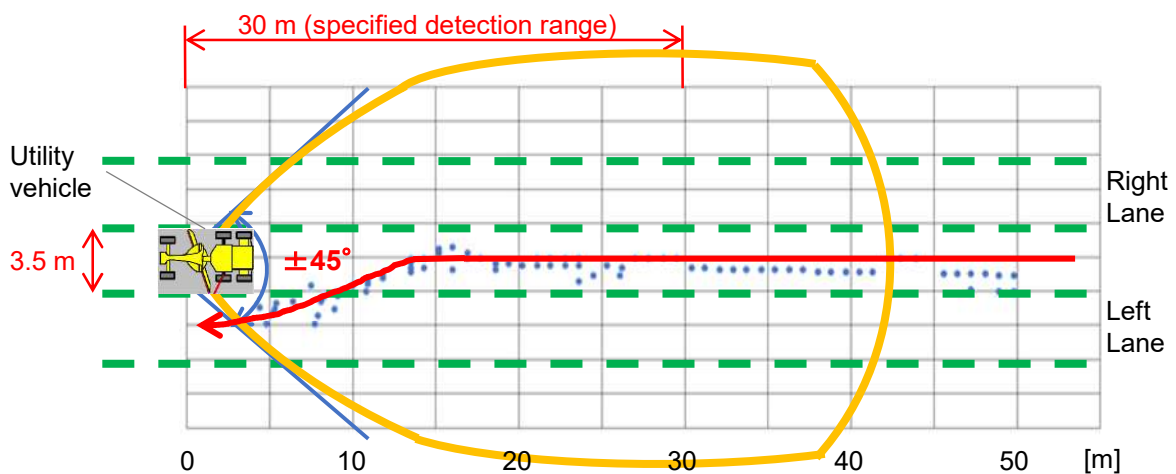
2. Signal processing equipment: DsB229P
  - This unit is installed in the cabin.
  - W 228 mm x D 180 mm x H 50 mm



3. Output equipment: DsB229A
  - This unit is installed in front of the driver's seat.
  - W 100 mm x D 40 mm x H 80 mm

## FUNCTIONALITY

- The system measures positions and speed of a rear-approaching vehicle and detects collision risk.
- The system alerts the driver with a buzzer and an LED when a 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.

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### ALLIANCE PARTNERS

