

Front radar generation 5

New radar sensor generation for greater comfort and safety for heavy commercial vehicles

Precise, fast and robust detection of objects and people



high precision

object detection and tracking

wide field of view

azimuth

unique single shot measurement

of distance, speed and altitude

- ▶ New chirp sequence modulation for fast, robust and reliable object detection
- ▶ Ideal for driver assistance functions in complex traffic situations
- ▶ compact design, low energy consumption and light weight
- ▶ Meets the legal requirements for heavy commercial vehicles



TECHNICAL CHARACTERISTICS

Frequency range		76 to 77 GHz
Detection range		up to 210 m
Field of view	horizontal	$\pm 60^\circ$
	vertical	$\pm 15^\circ$
Key performance indicators	Range accuracy, separability	0.11 - 0.15m, 0.21 - 0.29m
	horizontal angle accuracy, separability	0.1°, 3.0°
	vertical angle accuracy, separability	0.2°, 6.0°
	Velocity accuracy, seperability	0.06 m/s, 0.29 m/s
Data		2 x CAN - FD
Power consumption		< 4W
Mechanics	Box size	63 mm x 72 mm x 19mm