

Corner radar

The new radar sensor generation for greater comfort, safety and automated driving

Precise, fast and robust detection of objects and people



high-precision

object detection and tracking

double the range

compared to the preceding generation

wide field of view

- ▶ Detection of position, relative speed and direction of motion with only one radar measurement thanks to chirp-sequence modulation
- ▶ Ideal for driver assistance functions in complex urban traffic as well as for NCAP (AEB Junction Assist)
- ▶ Enables partially automated driving



BOSCH
Invented for life

TECHNICAL CHARACTERISTICS

Frequency range		76 to 77 GHz
Detection range		up to 160 m
Field of view	horizontal	$\pm 75^\circ$
	vertical	$\pm 15^\circ$
Key performance indicators	Range accuracy, separability	0.09 ... 0.12 m, 0.45 ... 0.47 m
	horizontal angle accuracy, separability	0.1°, 4.0°
	vertical angle accuracy, separability	0.2°, 6.0°
	Velocity accuracy, separability	0.04 m/s ... 0.06 m/s, 0.24 m/s
Interfaces and power	Data	1 x CAN-FD, 1 x CAN-FD, Flexray or 100BaseT1 Ethernet
	Power consumption	< 4 W
Mechanics	Box size without connector	63 x 72 x 19 mm