

Front radar premium

The new 4D imaging radar sensor generation for greater comfort, safety, and automated driving

Highly precise, fast and robust detection of objects and humans



highly precise

object detection and tracking with real height measurement

20 % greater range

than the preceding generation

wide opening angle

- ▶ Detection of position, relative velocity, and direction of movement at large distances
- ▶ Direct height measurement and improved classification of vulnerable road users (pedestrians, cyclists) and potential obstacles (tires, pallets)
- ▶ Suitable for NCAP functions (diverse automatic emergency braking functions as well as adaptive cruise control (ACC) up to 250 km/h)
- ▶ Improved comfort and safety for complex partially and highly automated driving scenarios (the ends of traffic jams ...)



BOSCH

Invented for life

TECHNICAL CHARACTERISTICS

Frequency range		76 to 77 GHz
Detection range		up to 302 m
Field of view	Horizontal	± 60°
	Vertical	± 12°
Key performance indicators	Velocity precision, separability	0.04 m/s, 0.17 m/s
	Distance precision, separability	0.11 ... 0.22 m, 0.41 ... 0.83 m
	Angle precision, separability	0.1°, 1.0°
	Interfaces and power	Data CAN-FD/Ethernet
	Power consumption	15 W
Mechanics	Box size	110x143x30 mm