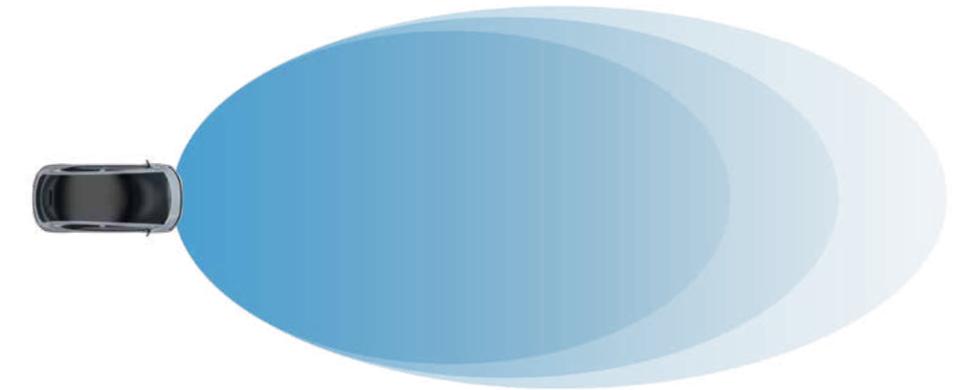


# Front radar



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

### 35 %

more distance sensitivity than the previous generation

## new technology

system-on-chip (SoC) & 3D waveguide

- Detection of position, relative speed and direction of motion with only one radar measurement thanks to our own chirp-sequence modulation
- Suitable for NCAP (AEB Car-to-Car Rear, AEB Pedestrian, AEB Cyclist) as well as automated driving
- Improved comfort for adaptive cruise control (ACC)

### Technical characteristics

Frequency range	76 to 77 GHz, 77 to 81 GHz	
Detection range	up to 300/391 m	
Field of view	horizontal	±60°
	vertical	±15°
Interfaces and power	Data	CAN variants, Ethernet variants
	Power consumption	~ 4 W
Mechanics	Box size	56 x 76 x 19 mm