

Ultrasonic sensor

Surround sensor for the calculation of distances to obstacles and to monitor space when parking and maneuvering

For comfortable and automated parking as well as for emergency braking functions at low speed



- Highly integrated ECU ASIC allows easy integration of functions into a central or stand-alone ECU
- Most sensitive ultrasonic system in the market (e. g. detection of low reflecting objects)
- Faster reaction time (first-time detection), therefore fast reaction on suddenly appearing obstacles (e. g. pedestrians, changing scenes)

AI-based

altitude classification enables more robust detection and thus faster response

state-of-the-art

in terms of robustness, reaction time and object detection

most sensitive

ultrasonic system in the market due to very reliable object detection



Technical characteristics

Topology	P2P or BUS
Min. range	15 cm (Ø 7,5 cm Poller)
Max. range	5,5 m (Ø 7,5 cm Poller)
Object presence detection	3 - 15 cm
Safety level	ASIL-B
Membrane diameter	15,5 mm
Housing diameter	23 mm
Dimensions	45 mm (Length) x 26 mm (Width)
Weight	~ 14 g
Protection class	IP64K