

Automotive Parking Assist System with Eight Sensors

This automotive parking assist system uses eight ultrasonic sensors to detect obstacles around the vehicle. Real-time distance measurements are displayed on a compact LCD screen, with audible alerts that increase as the vehicle gets closer to an obstacle.



ADDITIONAL IMAGES



Overview

Advanced Ultrasonic Parking Assistance

This ultrasonic parking assist system is designed to significantly enhance vehicle maneuverability and safety. Featuring an eight-sensor configuration, it provides comprehensive coverage for both front and rear detection, alerting drivers to obstacles through integrated audible and visual warnings. The system is engineered for versatility, including self-testing capabilities and all-weather performance to ensure reliability in diverse driving conditions.

Technical Specifications

Operating Temperature Range

-40 °C

Min Temperature

80 °C

Max Temperature

Waterproof Rating

IP X7

Sensor Configuration

8 sensors

System Flexibility

8-Sensor System, 6-Sensor System (2 Front + 4 Rear)

Features & Functionality

Key Functionalities

- Integrated ECU design for efficient installation
- Combined front and rear display
- Learning and spare wheel detection adaptation
- Adjustable sensor sensitivity
- Self-testing function

Sensor Adaptability

Changeable covers (0°/4°/10°), Multi-angle design, Flush mounting

Components & Materials

Build Quality Materials

- Copper sensor wire
- Anti-sulfur materials
- Microchip MCU