

South Korea Automotive Radar Market Size, Share, Trends and Forecast by Range, Vehicle Type, Application, and Region, 2026-2034

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Abstracts

The South Korea automotive radar market size reached USD 146.3 Million in 2025. The market is projected to reach USD 619.5 Million by 2034, exhibiting a growth rate (CAGR) of 16.87% during 2026-2034. The market is expanding due to the increasing adoption of advanced driver assistance systems (ADAS) and autonomous vehicles. The growing demand for safety technologies and radar system advancements significantly contribute to the South Korea automotive radar market share, boosting its presence across various vehicle segments.

SOUTH KOREA AUTOMOTIVE RADAR MARKET TRENDS:

Increasing Adoption of Autonomous Vehicles

The South Korea automotive radar market growth is driven by the rising demand for autonomous vehicles (AVs) continues to rise. The automotive industry in South Korea is transitioning towards advanced driver assistance systems (ADAS) and autonomous driving technology. Radar systems are an important factor in making vehicles safer by enabling real-time object, pedestrian, and other vehicle detection, paving the way for wider deployment of AVs. The demand for radar sensors, which promote accurate and safe vehicle navigation, has grown with the emphasis on safety and automation. It is driven by the South Korean government's emphasis on developing innovations in autonomous vehicle technologies and increasing demand for ADAS to enhance driving safety. Automakers are integrating radar systems within their vehicles to support features like collision avoidance, lane-keeping aid, and adaptive cruise control. Radar sensors also play a crucial role in overcoming problems like weather-induced visibility limitations, which are common with camera-based systems. The interoperability of radar

systems is not only increasing the safety of AVs but also boosting the confidence of consumers in autonomous technology. Such advancements in technology are playing an important role in the expansion of the South Korea automotive radar market and making the nation a pioneer in the creation of radar technology for automotive use.

Enhanced Radar Capabilities for Safety Features

The need for increased radar features in automobiles is pushing the South Korean automotive radar market towards new technology. With greater emphasis being placed on car safety, radar technology is also changing to deliver greater resolution, longer range, and more accurate detection capabilities. These innovations allow for features like 360-degree sensing, enhancing the car's capability to recognize objects 360 degrees around the vehicle and contributing to better overall safety. Radar systems are evolving with increased accuracy and reliability, which is vital for the increased usage of semi-autonomous and autonomous cars in South Korea. The compatibility of radar systems enables car manufacturers to provide sophisticated safety features like automatic emergency braking, adaptive cruise control, and lane-keeping assistance. These features not only enhance the safety of driving but also serve to lower the risk of accidents and collisions and give drivers a more comfortable and safer driving experience. Radar sensors are also utilized in parking assist systems, assisting drivers in avoiding obstacles and performing parking maneuvers in an efficient manner. Further, radar technology's capability to operate in demanding weather conditions, including fog, rain, or snow, means that these security features are functional in all conditions. Consequently, the South Korea market for automotive radar keeps on growing, with producers increasingly using radar technology to address the need for more efficient and sophisticated vehicle security systems.

SOUTH KOREA AUTOMOTIVE RADAR MARKET SEGMENTATION:

IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the country and regional level for 2026-2034. Our report has categorized the market based on range, vehicle type, and application.

Range Insights:

Long Range

Medium and Short Range

The report has provided a detailed breakup and analysis of the market based on the range. This includes long range and medium and short range.

Vehicle Type Insights:

Passenger Cars

Commercial Vehicles

The report has provided a detailed breakup and analysis of the market based on the vehicle type. This includes passenger cars and commercial vehicles.

Application Insights:

Adaptive Cruise Control (ACC)

Autonomous Emergency Braking (AEB)

Blind Spot Detection (BSD)

Forward Collision Warning (FCW)

Intelligent Park Assist

Others

The report has provided a detailed breakup and analysis of the market based on the application. This includes adaptive cruise control (ACC), autonomous emergency braking (AEB), blind spot detection (BSD), forward collision warning (FCW), intelligent park assist, and others.

Regional Insights:

Seoul Capital Area

Yeongnam (Southeastern Region)

Honam (Southwestern Region)

Hoseo (Central Region)

Others

The report has also provided a comprehensive analysis of all the major regional markets, which include Seoul Capital Area, Yeongnam (Southeastern Region), Honam (Southwestern Region), Hoseo (Central Region), and others.

COMPETITIVE LANDSCAPE:

The market research report has also provided a comprehensive analysis of the competitive landscape. Competitive analysis such as market structure, key player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided.

KEY QUESTIONS ANSWERED IN THIS REPORT

How has the South Korea automotive radar market performed so far and how will it perform in the coming years?

What is the breakup of the South Korea automotive radar market on the basis of range?

What is the breakup of the South Korea automotive radar market on the basis of vehicle type?

What is the breakup of the South Korea automotive radar market on the basis of application?

What is the breakup of the South Korea automotive radar market on the basis of region?

What are the various stages in the value chain of the South Korea automotive radar market?

What are the key driving factors and challenges in the South Korea automotive radar market?

What is the structure of the South Korea automotive radar market and who are the key players?

What is the degree of competition in the South Korea automotive radar market?

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