

# Automotive Radar Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

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## Abstracts

The global automotive radar market size reached US\$ 3.6 Billion in 2021. Looking forward, IMARC Group expects the market to reach US\$ 12.4 Billion by 2027, exhibiting a growth rate (CAGR) of 23.01% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic. These insights are included in the report as a major market contributor.

Automotive radar refers to a system installed in automobiles to detect the speed and range of objects in the vicinity of the car. It locates objects through a transmitter that sends out a receiver and radio waves that hit the object and then bounce back to the receiver, thereby making it possible to detect the distance, speed, and direction of the object. This helps avoid collisions, detect pedestrians and cyclists, and also complements the vision-based camera-sensing system. Nowadays, a wide variety of automotive radars are available in the market. Long-range automotive radars are utilized for measuring the distance and speed of other vehicles, medium-range radars help in detecting objects into a broader field of view, and short-range radars sense objects near the vehicle.

### Automotive Radar Market Trends:

The global automotive radar market is primarily driven by the growing incidences of road accidents that have necessitated safety features in automobiles for safer mobility. Governments across the world are also implementing stringent regulations and initiatives to develop vehicle safety systems. Besides this, the growing trend of autonomous vehicles and the electrification of vehicles have escalated the demand for automotive radars. They offer adaptive cruise control and are critical components of the

autonomous driving assistance systems (ADAS). Moreover, technological advancements in the automotive sector, such as the development of high-performance compact radars at low manufacturing costs, are providing a positive impact on the market growth.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global automotive radar market report, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on range, vehicle type and application.

#### Breakup by Range:

- Long Range
- Medium and Short Range

#### Breakup by Vehicle Type:

- Passenger Cars
- Commercial Vehicles

#### Breakup by Application:

- Adaptive Cruise Control (ACC)
- Autonomous Emergency Braking (AEB)
- Blind Spot Detection (BSD)
- Forward Collision Warning (FCW)
- Intelligent Park Assist
- Others

#### Breakup by Region:

- North America
  - United States
  - Canada
- Asia-Pacific
  - China
  - Japan
  - India
  - South Korea

Australia  
Indonesia  
Others  
Europe  
Germany  
France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Analog Devices Inc, Aptiv plc, Autoliv Inc., Continental AG, Denso Corporation, HELLA GmbH & Co. KGaA, Infineon Technologies AG, NXP Semiconductors, Robert Bosch GmbH, Texas Instruments Incorporated, Valeo and ZF Friedrichshafen AG.

#### Key Questions Answered in This Report:

How has the global automotive radar market performed so far and how will it perform in the coming years?  
What has been the impact of COVID-19 on the global automotive radar market?  
What are the key regional markets?  
What is the breakup of the market based on the range?  
What is the breakup of the market based on the vehicle type?  
What is the breakup of the market based on the application?  
What are the various stages in the value chain of the industry?  
What are the key driving factors and challenges in the industry?  
What is the structure of the global automotive radar market and who are the key players?  
What is the degree of competition in the industry?

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