

# Global In-car Radar Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global In-car Radar market size was valued at US\$ 7719 million in 2024 and is forecast to a readjusted size of USD 21100 million by 2031 with a CAGR of 15.6% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

In-car radar refers to radar systems integrated into vehicles to enhance safety, driving assistance, and autonomous driving capabilities. These radar systems use radio waves to detect objects, measure their distance, speed, and relative movement, providing crucial data for various advanced driver-assistance systems (ADAS) and autonomous functions.

From conventional parking assistance to advanced intelligent driving, in-car radar plays a crucial role. Ultrasonic radar is mainly used in parking radar sensors and has become a widely adopted type of automotive radar. Millimeter-wave radar enables vehicles to achieve limited 'autonomous driving' functions, such as adaptive cruise control, lane-keeping assistance, and automatic braking. LiDAR (Light Detection and Ranging) further enhances a vehicle's perception of its surroundings. Compared to millimeter-wave radar, LiDAR performs better in terms of detection speed and precision, and it can also outline detailed contours of the surrounding objects more clearly. As a result, most autonomous vehicles currently use LiDAR.

This report is a detailed and comprehensive analysis for global In-car Radar market. Both quantitative and qualitative analyses are presented by manufacturers, by region &

country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global In-car Radar market size and forecasts, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2020-2031

Global In-car Radar market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2020-2031

Global In-car Radar market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2020-2031

Global In-car Radar market shares of main players, shipments in revenue (\$ Million), sales quantity (Million Units), and ASP (US\$/Unit), 2020-2025

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for In-car Radar

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global In-car Radar market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Bosch, Continental, Valeo, Denso, Forvia Hella, Veoneer, Aptiv, ZF, Hitachi Astemo, Nidec Elesys, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## **Market Segmentation**

In-car Radar market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Millimeter Wave Radar

Ultrasonic Radar

LiDAR

### Market segment by Application

Passenger Cars

Commercial Vehicles

### Major players covered

Bosch

Continental

Valeo

Denso

Forvia Hella

Veoneer

Aptiv

ZF

Hitachi Astemo

Nidec Elesys

Nicera

Murata

Hesai Tech

RoboSense

Seyond

Huawei

Waymo

Livox

Ouster

Luminar

WHST

HUAYU Automotive Systems

Desay SV

Nanjing Chuhang Tech

Market segment by region, regional analysis covers

*Global In-car Radar Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031*

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe In-car Radar product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of In-car Radar, with price, sales quantity, revenue, and global market share of In-car Radar from 2020 to 2025.

Chapter 3, the In-car Radar competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the In-car Radar breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and In-car Radar market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of In-car Radar.

Chapter 14 and 15, to describe In-car Radar sales channel, distributors, customers, research findings and conclusion.

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