

# Global Radar Sensor Modules Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Radar Sensor Modules market size is expected to reach \$ 42316 million by 2032, rising at a market growth of 11.5% CAGR during the forecast period (2026-2032).

In 2025, global Radar Sensor Module output reached about 380 million units and global capacity of around 560 million units. The average unit price is about USD 50, with gross margins near 34%. Radar Sensor Modules are integrated sensing units used to detect the distance, speed, and direction of objects by transmitting radio-frequency electromagnetic waves and analyzing the reflected signals. They are widely used in automotive advanced driver assistance systems (ADAS), autonomous driving platforms, industrial automation, drones, smart infrastructure, and security systems. A typical radar sensor module integrates several components including radar transceiver chips (RF front-end), antennas, microcontrollers or signal processors, power management circuits, and packaging modules. The supply chain begins upstream with semiconductor materials and RF components such as silicon wafers, gallium arsenide (GaAs), or silicon germanium (SiGe) used for radar chips, along with electronic components like capacitors, PCB substrates, and antenna materials. Midstream manufacturing involves semiconductor fabrication, RF chip design, antenna integration, and module assembly performed by radar semiconductor companies and Tier-1 electronics suppliers. Downstream, radar sensor modules are integrated into end products by automotive OEMs, robotics manufacturers, industrial automation companies, aerospace and defense contractors, and smart city infrastructure providers, where they enable functions such as collision avoidance, adaptive cruise control, object tracking, and motion detection.

This report studies the global Radar Sensor Modules production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Radar Sensor Modules and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Radar Sensor Modules that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Radar Sensor Modules total production and demand, 2021-2032, (K Units)

Global Radar Sensor Modules total production value, 2021-2032, (USD Million)

Global Radar Sensor Modules production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Radar Sensor Modules consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Radar Sensor Modules domestic production, consumption, key domestic manufacturers and share

Global Radar Sensor Modules production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Radar Sensor Modules production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Radar Sensor Modules production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Radar Sensor Modules market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Bosch, DENSO, Valeo, Aptiv, Magna, Autoliv, Veoneer, HELLA, AISIN, InnoSenT, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Radar Sensor Modules market

**Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

**Global Radar Sensor Modules Market, By Region:**

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

**Global Radar Sensor Modules Market, Segmentation by Type:**

24 GHz Radar Modules

60 GHz Radar Modules

77 GHz Radar Modules

## 79 GHz Radar Modules

### Global Radar Sensor Modules Market, Segmentation by Detection Range:

Short-Range Radar

Medium-Range Radar

Long-Range Radar

### Global Radar Sensor Modules Market, Segmentation by Application:

Automotive

Aerospace & Defense

Industrial

Infrastructure

Consumer Electronics

Others

### Companies Profiled:

Bosch

DENSO

Valeo

Aptiv

Magna

Autoliv

Veoneer

HELLA

AISIN

InnoSenT

Baumer Group

Continental

Hyundai Mobis

Hitachi Astemo

Banner Engineering

ZF Friedrichshafen

Mitsubishi Electric

Smart Microwave Sensors

Panasonic Automotive Systems

### **Key Questions Answered:**

1. How big is the global Radar Sensor Modules market?
2. What is the demand of the global Radar Sensor Modules market?
3. What is the year over year growth of the global Radar Sensor Modules market?
4. What is the production and production value of the global Radar Sensor Modules market?
5. Who are the key producers in the global Radar Sensor Modules market?
6. What are the growth factors driving the market demand?

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