

# Radar Sensor Market: Trends, Opportunities and Competitive Analysis [2023-2028]

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## Abstracts

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### Radar Sensor Market Trends and Forecast

The future of the global radar sensor market looks promising with opportunities in the commercial, government, and industrial sectors. The global radar sensor market is expected to reach an estimated \$14.5 billion by 2028 with a CAGR of 17.2% from 2023 to 2028. The major drivers for this market are increasing concerns on safety and security in automotive and growing need for border security systems.

### Radar Sensor Market by Radar Type, Technology, Range, Application, Component, and Band, End Use Industry

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown below.

### Radar Sensor Market by Segments

### Radar Sensor Market by Segment

The study includes a forecast for the global radar sensor market by radar type, technology, range, application, component, band, end use industry, and region, as follows:

### Radar Sensor Market by Radar Type [Value (\$B) Shipment Analysis from 2017 to 2028]:

Imaging Radar

CW Radar

Pulse Radar

Non-Imaging Radar

Speed Gauge

Altimeter

Radar Sensor Market by Technology [Value (\$B) Shipment Analysis from 2017 to 2028]:

Time Domain Reflectometry (TDR)

Ultra-Wideband (UWB)

Millimeter wave

RF MEMS-based radar sensors

Others

Radar Sensor Market by Range [Value (\$B) Shipment Analysis from 2017 to 2028]:

Short-Range Radar

Mid-Range Radar

Long-Range Radar

Radar Sensor Market by Application [Value (\$B) Shipment Analysis from 2017 to 2028]:

Automotive

Aerospace and Defense

Industrial

Security and Surveillance

Traffic Monitoring and Management

Environmental and Weather Monitoring

Others

Radar Sensor Market by Component [Value (\$B) Shipment Analysis from 2017 to 2028]:

Antenna

Duplexer

Transmitter

Receiver

Video Amplifier

Processing

Radar Sensor Market by Band [Value (\$B) Shipment Analysis from 2017 to 2028]:

HF, VHF, and UHF Bands

L, S, C, and X Bands

Ku, K, Ka, V, and W Bands

Radar Sensor Market by End Use Industry [Value (\$B) Shipment Analysis from 2017 to 2028]:

Commercial Sector

Government Sector

Industrial Sector

Radar Sensor Market by Region [Value (\$B) Shipment Analysis from 2017 to 2028]:

North America

Europe

Asia Pacific

The Rest of the World

List of Radar Sensor Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies radar sensor companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the radar sensor companies profiled in this report include.

Robert Bosch

Continental

Infineon Technologies

Hella KGaA Hueck

Autoliv

Smart Microwave Sensors

Omniradar

Lockheed Martin

Denso

NXP Semiconductors

Radar Sensor Market Insights

Lucintel forecast that non-imagine radar will witness the highest growth over the forecast period due to the increasing usage of these sensors in stop-and-go functionality, lane change assistance, blind spot recognition, and adaptive cruise control (ACC) applications.

Within this market, automotive, aerospace and defense, industrial, security and surveillance, traffic monitoring & management, and environmental & weather monitoring are the major segments of radar sensor market by application. Lucintel predict that automotive is expected to remain the largest segment due to the increasing demand for adaptive cruise control (ACC), blind spot detection (BSD), lane change assist (LCA), and collision mitigation (CM) in vehicles.

North America will remain the largest region due to robust growth in the vehicle production and increasing demand for advanced driver-assistance systems (ADAS) in passenger cars.

Features of the Radar Sensor Market

Market Size Estimates: Radar sensor market size estimation in terms of value (\$B)

Trend And Forecast Analysis: Market trends (2017-2022) and forecast (2023-2028) by various segments and regions.

Segmentation Analysis: Radar sensor market size by various segments, such as by radar type, technology, range, application, component, band, end use industry, and region

Regional Analysis: Radar sensor market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

Growth Opportunities: Analysis on growth opportunities in different by radar type, technology, range, application, component, band, end use industry, and regions for the

radar sensor market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape for the radar sensor market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

## FAQ

Q1. What is the radar sensor market size?

Answer: The global radar sensor market is expected to reach an estimated \$14.5 billion by 2028.

Q2. What is the growth forecast for radar sensor market?

Answer: The global radar sensor market is expected to grow with a CAGR of 17.2% from 2023 to 2028.

Q3. What are the major drivers influencing the growth of the radar sensor market?

Answer: The major drivers for this market are increasing concerns on safety and security in automotive and growing need for border security systems.

Q4. What are the major segments for radar sensor market?

Answer: The future of the radar sensor market looks promising with opportunities in the commercial, government, and industrial sectors.

Q5. Who are the key radar sensor companies?

Answer: Some of the key radar sensor companies are as follows:

Robert Bosch

Continental

Infineon Technologies

Hella KGaA Hueck

Autoliv

Smart Microwave Sensors

Omniradar

Lockheed Martin

Denso

NXP Semiconductors

Q6. Which radar sensor segment will be the largest in future?

Answer: Lucintel forecast that non-imagine radar will witness the highest growth over the forecast period due to the increasing usage of these sensors in stop-and-go functionality, lane change assistance, blind spot recognition, and adaptive cruise control (ACC) applications.

Q7. In radar sensor market, which region is expected to be the largest in next 5 years?

Answer: North America will remain the largest region due to robust growth in the vehicle production and increasing demand for advanced driver-assistance systems (ADAS) in passenger cars.

Q8. Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions

Q.1. What are some of the most promising, high-growth opportunities for the radar sensor market by radar type (imaging radar and non-imaging radar), technology (time domain reflectometry (TDR), ultra-wideband (UWB), millimeter wave, RF MEMS-based radar sensors, and others), range (short-range radar, mid-range radar, and long-range radar), application (automotive, aerospace and defense, industrial, security and surveillance, traffic monitoring and management, environmental and weather

monitoring, and others), component (antenna, duplexer, transmitter, receiver, video amplifier, and processing), band (HF, VHF, and UHF bands, L, S, C, and X bands, Ku, K, Ka, V, and W bands), end use industry (commercial sector, government sector, and industrial sector), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

For any questions related to radar sensor market or related to radar sensor companies, radar sensor market size, radar sensor market share, radar sensor analysis, write Lucintel analyst at email: [helpdesk@lucintel.com](mailto:helpdesk@lucintel.com) we will be glad to get back to you soon.



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7.8: Lockheed Martin

7.9: Denso

7.10: NXP Semiconductors

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