

# Global 4D Radar Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global 4D Radar market size was valued at USD 68 million in 2023 and is forecast to a readjusted size of USD 2038.8 million by 2030 with a CAGR of 62.6% during review period.

4D radar is a technology that uses echolocation and a concept called time-of-flight measurement to map objects in a 3D environment. It is currently being tested in the autonomous vehicle industry to map the locations of items in a vehicle's path. It differs from the older technologies like Lidar, standard radar, and cameras because 4D radar can tell when a vehicle is moving and how fast in all types of weather and environmental conditions.

Given that most companies in the sector are late to volume production, with many starting in 2021, this report provides data from 2021 onwards.

In the global market, the core manufacturers of 4D radar are Sensitech, Huawei, BOSCH, Continental AG, ect. The top players in the industry account for about 50 per cent of the market share. North America, Europe, and Asia-Pacific are the major production regions for this product, with Asia-Pacific accounting for more than 70% of the global market share. The product can be categorised into chip cascade and radar chipset based on the type of chip. The product is widely used in automotive, aerospace & defence, intelligent robotics, and other industries.

The Global Info Research report includes an overview of the development of the 4D Radar industry chain, the market status of Vehicles (Chip Cascade, Radar Chipset), Aerospace & Defense (Chip Cascade, Radar Chipset), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent,

hot applications and market trends of 4D Radar.

Regionally, the report analyzes the 4D Radar markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global 4D Radar market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the 4D Radar market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the 4D Radar industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Chip Cascade, Radar Chipset).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the 4D Radar market.

**Regional Analysis:** The report involves examining the 4D Radar market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the 4D Radar market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to 4D Radar:

**Company Analysis:** Report covers individual 4D Radar manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial

performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards 4D Radar. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Vehicles, Aerospace & Defense).

**Technology Analysis:** Report covers specific technologies relevant to 4D Radar. It assesses the current state, advancements, and potential future developments in 4D Radar areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the 4D Radar market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

4D Radar market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Chip Cascade

Radar Chipset

### Market segment by Application

Vehicles

Aerospace & Defense

Intelligent Robotics

Others

### Major players covered

Continental AG

ZF Friedrichshafen AG

BOSCH

Arbe Robotics

Smartmicro

Smart Radar System

Aptiv

Muniu Tech

WHST

HUAWEI

Oculii

CubTEK

### Market segment by region, regional analysis covers

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 4D Radar product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of 4D Radar, with price, sales, revenue and global market share of 4D Radar from 2019 to 2024.

Chapter 3, the 4D Radar competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the 4D Radar breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and 4D Radar market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 4D Radar.

Chapter 14 and 15, to describe 4D Radar sales channel, distributors, customers, research findings and conclusion.

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