

Global 4D Radar Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global 4D Radar market size is expected to reach \$ 2038.8 million by 2029, rising at a market growth of 62.6% CAGR during the forecast period (2023-2029).

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.

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.

This report studies the global 4D Radar production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for 4D Radar, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering

2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of 4D Radar that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global 4D Radar total production and demand, 2018-2029, (K Units)

Global 4D Radar total production value, 2018-2029, (USD Million)

Global 4D Radar production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global 4D Radar consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: 4D Radar domestic production, consumption, key domestic manufacturers and share

Global 4D Radar production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global 4D Radar production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global 4D Radar production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global 4D Radar 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 Continental AG, ZF Friedrichshafen AG, BOSCH, Arbe Robotics, Smartmicro, Smart Radar System, Aptiv, Muniu Tech and WHST, 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 4D Radar 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 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global 4D Radar Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global 4D Radar Market, Segmentation by Type

Chip Cascade

Radar Chipset

Global 4D Radar Market, Segmentation by Application

Vehicles

Aerospace & Defense

Intelligent Robotics

Others

Companies Profiled:

Continental AG

ZF Friedrichshafen AG

BOSCH

Arbe Robotics

Smartmicro

Smart Radar System

Aptiv

Muniu Tech

WHST

HUAWEI

Oculii

CubTEK

Key Questions Answered

1. How big is the global 4D Radar market?
2. What is the demand of the global 4D Radar market?

3. What is the year over year growth of the global 4D Radar market?
4. What is the production and production value of the global 4D Radar market?
5. Who are the key producers in the global 4D Radar market?

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