

Global Vehicle Vital Signs Detection 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 Vehicle Vital Signs Detection Radar market size was valued at USD 862.3 million in 2023 and is forecast to a readjusted size of USD 3706 million by 2030 with a CAGR of 23.2% during review period.

Vehicle-mounted vital signs detection radar products are suitable for many passenger models. They can provide drivers with real-time heartbeat and breathing safety monitoring to avoid dangerous driving caused by sudden physical discomfort. They can also provide space occupancy detection for rear passengers or pets. , can effectively prevent children and pets from being forgotten in the car, ensure the safety of drivers and passengers, and improve the safety factor of the cockpit. As many as 1,050 children have died due to vehicular heatstroke in the US since 1990 (source: The New York Times). Global governments aim to reduce these preventable tragedies, with the United States Hot Cars Act, Federal Communications Committee and the European New Car Assessment Programme. Prioritizing the integration of in-cabin child safety technologies requiring child presence detection (CPD) in all new cars by 2025. This market is expected to achieve rapid growth in the next few years.

The Global Info Research report includes an overview of the development of the Vehicle Vital Signs Detection Radar industry chain, the market status of OEM (60 GHz, 77/79 GHZ), Aftermarket (60 GHz, 77/79 GHZ), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Vehicle Vital Signs Detection Radar.

Regionally, the report analyzes the Vehicle Vital Signs Detection 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 Vehicle Vital Signs Detection Radar market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Vehicle Vital Signs Detection 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 Vehicle Vital Signs Detection 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 Pcs), revenue generated, and market share of different by Frequency (e.g., 60 GHz, 77/79 GHZ).

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 Vehicle Vital Signs Detection Radar market.

Regional Analysis: The report involves examining the Vehicle Vital Signs Detection 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 Vehicle Vital Signs Detection 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 Vehicle Vital Signs Detection Radar:

Company Analysis: Report covers individual Vehicle Vital Signs Detection 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 Vehicle Vital Signs Detection Radar. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (OEM, Aftermarket).

Technology Analysis: Report covers specific technologies relevant to Vehicle Vital Signs Detection Radar. It assesses the current state, advancements, and potential future developments in Vehicle Vital Signs Detection Radar areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Vehicle Vital Signs Detection 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

Vehicle Vital Signs Detection Radar market is split by Frequency and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Frequency, and by Application in terms of volume and value.

Market segment by Frequency

60 GHz

77/79 GHz

Other

Market segment by Application

OEM

Aftermarket

Major players covered

Continental Engineering Services

Hyundai Mobis

Valeo

Fraunhofer IDMT

Bosch Mobility

Magna

Sykno GmbH

Harman

Pontosense

Chuhang Technology

Tsinglanst

WHST

Union Optech

Shenzhen Hua'antai

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 Vehicle Vital Signs Detection Radar product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Vehicle Vital Signs Detection Radar, with price, sales, revenue and global market share of Vehicle Vital Signs Detection Radar from 2019 to 2024.

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

Chapter 4, the Vehicle Vital Signs Detection 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 Frequency and application, with sales market share and growth rate by frequency, 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 Vehicle Vital Signs Detection Radar market forecast, by regions, frequency 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 Vehicle Vital Signs Detection Radar.

Chapter 14 and 15, to describe Vehicle Vital Signs Detection Radar sales channel, distributors, customers, research findings and conclusion.

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