

# Global Short Range Millimeter Wave 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 Short Range Millimeter Wave Radar market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

Short-range millimeter wave radar is a radar system that uses millimeter wave (mmWave) signals and is mainly used in vehicle applications such as parking assistance, blind spot detection, lane change assistance, etc. The characteristic of short-range millimeter wave radar is that it can provide high-resolution, high-precision, and high-reliability target detection and tracking within a short distance (generally less than 40 meters). The basic principle of short-range millimeter wave radar is to use linear frequency modulated continuous wave (FMCW) signals to transmit and receive signals to the front space through transmitting and receiving antennas, and then mix the transmit signals and received signals through a mixer to obtain an intermediate frequency (IF) signal, the frequency of which is related to the distance and speed of the target. By performing Fourier transform (FFT) and signal processing on the IF signal, the distance, speed, azimuth and other information of the target can be obtained. The advantages of short-range millimeter wave radar are its small size, low power consumption, high anti-interference, and high temperature stability, and is suitable for working in complex urban traffic environments. Compared with other types of vehicle-mounted radars (such as medium-range radar and long-range radar), the main differences between short-range millimeter wave radars are parameters such as operating frequency, maximum detection distance, and detection angle of view.

The Global Info Research report includes an overview of the development of the Short Range Millimeter Wave Radar industry chain, the market status of Automobile Industry

(Ultra Short Range Millimeter Wave Radar, Short Range Radar), Transportation Industry (Ultra Short Range Millimeter Wave Radar, Short Range Radar), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Short Range Millimeter Wave Radar.

Regionally, the report analyzes the Short Range Millimeter Wave 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 Short Range Millimeter Wave Radar market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Short Range Millimeter Wave 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 Short Range Millimeter Wave 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., Ultra Short Range Millimeter Wave Radar, Short Range Radar).

**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 Short Range Millimeter Wave Radar market.

**Regional Analysis:** The report involves examining the Short Range Millimeter Wave 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 Short Range Millimeter Wave 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 Short Range Millimeter Wave Radar:

**Company Analysis:** Report covers individual Short Range Millimeter Wave 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 Short Range Millimeter Wave Radar. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Automobile Industry, Transportation Industry).

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

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Short Range Millimeter Wave 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

Short Range Millimeter Wave 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

Ultra Short Range Millimeter Wave Radar

Short Range Radar

## Market segment by Application

Automobile Industry

Transportation Industry

Security Industry

Others

## Major players covered

MediaTek

Mistral Solutions Pvt. Ltd

Asahi Kasei Microdevices Corporation

Nanoradar Technology

Bosch

Continental

Delphi

Denso

TRW

Fujitsu

The Beaming Co., Ltd

Tampa Electric

## Market segment by region, regional analysis covers

*Global Short Range Millimeter Wave Radar Market 2024 by Manufacturers, Regions, Type and Application, Forecast...*

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 Short Range Millimeter Wave Radar product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Short Range Millimeter Wave Radar, with price, sales, revenue and global market share of Short Range Millimeter Wave Radar from 2019 to 2024.

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

Chapter 4, the Short Range Millimeter Wave 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 Short Range Millimeter Wave 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 Short Range Millimeter Wave Radar.

Chapter 14 and 15, to describe Short Range Millimeter Wave Radar sales channel, distributors, customers, research findings and conclusion.

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