

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

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Abstracts

4D millimeter wave radar is an upgraded version of traditional millimeter wave radar. 4D refers to the four dimensions of speed, distance, horizontal angle, and vertical height. Compared with traditional 3D millimeter wave radar, 4D millimeter wave radar increases 'height' detection and has higher resolution and accuracy. With the support of artificial intelligence technology, more intelligent perception and tracking can be achieved, thereby providing more reliable data support for fields such as autonomous driving and intelligent transportation. 4D millimeter wave radar chips are mainly MMIC chips. The full name of MMIC radio frequency chip is monolithic microwave integrated circuit, which is a chip containing multiple functional circuits and is mainly responsible for the modulation, transmission and reception of millimeter wave signals and the demodulation of echo signals.

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

This report is a detailed and comprehensive analysis for global 4D mmWave Radar Chip market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2024, are provided.

Key Features:

Global 4D mmWave Radar Chip market size and forecasts, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (US\$/Pc), 2019-2030

Global 4D mmWave Radar Chip market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (US\$/Pc), 2019-2030

Global 4D mmWave Radar Chip market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (US\$/Pc), 2019-2030

Global 4D mmWave Radar Chip market shares of main players, shipments in revenue (\$ Million), sales quantity (K Pcs), and ASP (US\$/Pc), 2019-2024

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for 4D mmWave Radar Chip

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global 4D mmWave Radar Chip market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include NXP Semiconductors, Texas Instruments, STMicroelectronics, Infineon, Uhnder, AKM (Asahi Kasei Microdevices), Analog Devices, Renesas Electronics, Onsemi, Calterah, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

4D mmWave Radar Chip 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. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

77GHz Millimeter Wave Radar Chip

24GHz Millimeter Wave Radar Chip

Others (60/80GHz)

Market segment by Application

Driverless Car

UAV

Intelligent Transportation

Intelligent Home

Major players covered

NXP Semiconductors

Texas Instruments

STMicroelectronics

Infineon

Uhnder

AKM (Asahi Kasei Microdevices)

Analog Devices

Renesas Electronics

Onsemi

Calterah

ANDAR TECHNOLOGIES CO., LTD

SGR Semiconductors

Microcreative

Senardmicro

Citta Microelectronics Ltd.

Imsemi

Guibu Microelectronics (Nanjing) Co., Ltd.

Huizhou Speed Wireless Technology Co., Ltd.

Sichuan Jiuzhou Electric Co., Ltd.

Misic Microelectronics Co., Ltd.

Chengdu Sinoscite Technology Co., Ltd.

Qingneng Huabo (Beijing) Technology Co., Ltd.

Milliway

Muye Microelectronics

Hxele

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 mmWave Radar Chip product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the 4D mmWave Radar Chip 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 by Application, with sales market share and growth rate by Type, by 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 2019 to 2024. and 4D mmWave Radar Chip market forecast, by regions, by Type, and by 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 mmWave Radar Chip.

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

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