

Global Automotive Grade 4D Digital Imaging Radar Chip Market Growth 2024-2030

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Abstracts

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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.

The global Automotive Grade 4D Digital Imaging Radar Chip market size is projected to grow from US\$ million in 2024 to US\$ million in 2030; it is expected to grow at a CAGR of %from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "Automotive Grade 4D Digital Imaging Radar Chip Industry Forecast" looks at past sales and reviews total world Automotive Grade 4D Digital Imaging Radar Chip sales in 2023, providing a comprehensive analysis by region and market sector of projected Automotive Grade 4D Digital Imaging Radar Chip sales for 2024 through 2030. With Automotive Grade 4D Digital Imaging Radar Chip sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Automotive Grade 4D Digital Imaging Radar Chip industry.

This Insight Report provides a comprehensive analysis of the global Automotive Grade 4D Digital Imaging Radar Chip landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Automotive Grade 4D Digital Imaging Radar Chip portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Automotive Grade 4D Digital Imaging Radar Chip market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Automotive Grade 4D Digital Imaging Radar Chip and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Automotive Grade 4D Digital Imaging Radar Chip.

United States market for Automotive Grade 4D Digital Imaging Radar Chip is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for Automotive Grade 4D Digital Imaging Radar Chip is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for Automotive Grade 4D Digital Imaging Radar Chip is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key Automotive Grade 4D Digital Imaging Radar Chip players cover NXP Semiconductors, Texas Instruments, STMicroelectronics, Infineon, Uhnder, etc. In terms of revenue, the global two largest companies occupied for a share nearly

% in 2023.

This report presents a comprehensive overview, market shares, and growth opportunities of Automotive Grade 4D Digital Imaging Radar Chip market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

77GHz Millimeter Wave Radar Chip

24GHz Millimeter Wave Radar Chip

Others (60/80GHz)

Segmentation by Application:

Driverless Car

UAV

Intelligent Transportation

Intelligent Home

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

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

Key Questions Addressed in this Report

What is the 10-year outlook for the global Automotive Grade 4D Digital Imaging Radar Chip market?

What factors are driving Automotive Grade 4D Digital Imaging Radar Chip market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Automotive Grade 4D Digital Imaging Radar Chip market opportunities vary by end market size?

How does Automotive Grade 4D Digital Imaging Radar Chip break out by Type, by Application?

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