

Global Automated Driving Sensor Chip Market Growth 2023-2029

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Abstracts

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The global Automated Driving Sensor Chip market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

United States market for Automated Driving Sensor Chip is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

China market for Automated Driving Sensor Chip is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Europe market for Automated Driving Sensor Chip is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key Automated Driving Sensor Chip players cover Velodyne Lidar, Quanergy, Continental AG, Denso Corporation, Aptiv, Arbe Robotics, Omnivision Technologies, Innoviz Technologies and Infineon Technologies, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

Automated driving sensor chips are a key enabling technology for autonomous vehicles and advanced driver assistance systems (ADAS). These chips are designed to detect and interpret data from multiple sensors, allowing the vehicle to perceive its environment and make driving decisions with little or no human input. Automated driving sensor chips typically integrate multiple sensor technologies, including LiDAR, radar, cameras, ultrasonic sensors, and IMUs. These sensors can be used for a range of

functions such as object detection, localization, mapping, and path planning. Sensor fusion techniques are used to combine the information from multiple sensors, providing a more complete and accurate perception of the environment. Automated driving sensor chips are a combination of multiple sensors and algorithms, working together to provide a vehicle with accurate perception and decision-making capabilities. These chips enable vehicle automation, making driving safer, more efficient and more enjoyable.

LPI (LP Information)' newest research report, the “Automated Driving Sensor Chip Industry Forecast” looks at past sales and reviews total world Automated Driving Sensor Chip sales in 2022, providing a comprehensive analysis by region and market sector of projected Automated Driving Sensor Chip sales for 2023 through 2029. With Automated Driving Sensor Chip sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Automated Driving Sensor Chip industry.

This Insight Report provides a comprehensive analysis of the global Automated Driving Sensor 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 Automated Driving Sensor Chip portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Automated Driving Sensor Chip market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Automated Driving Sensor 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 Automated Driving Sensor Chip.

This report presents a comprehensive overview, market shares, and growth opportunities of Automated Driving Sensor Chip market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

LiDAR

Radar Sensors

Cameras Sensors

Ultrasonic Sensors

Inertial Measurement Unit (IMU)

Others

Segmentation by application

Automotive

Robotics

Aviation

Agriculture

Logistics

Others

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 analyzing the company's coverage, product portfolio, its market penetration.

Velodyne Lidar

Quanergy

Continental AG

Denso Corporation

Aptiv

Arbe Robotics

Omnivision Technologies

Innoviz Technologies

Infineon Technologies

NXP Semiconductors

Renesas Electronics

LeddarTech

Texas Instruments

Sony Corporation

ON Semiconductor

RoboSense

Hella Aglaia

AEye

Cepton

Key Questions Addressed in this Report

What is the 10-year outlook for the global Automated Driving Sensor Chip market?

What factors are driving Automated Driving Sensor Chip market growth, globally and by region?

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

How do Automated Driving Sensor Chip market opportunities vary by end market size?

How does Automated Driving Sensor Chip break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

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