

Automotive self-driving chip sales Market Size to USD 29.78 Billion by 2030 | With 38.1% CAGR by Exactitude Consultancy

The Exactitude Consultancy Automotive self-driving chip sales Market Report – Size, Trends, And Global Forecast 2024-2030

LUTON, BEDFORDSHIRE, UNITED KINGDOM, March 12, 2024

/EINPresswire.com/ -- The qualitative report published by Exactitude Consultancy research on the [Automotive self-driving chip sales](#)

Market offers an in-depth examination of the current trends, latest expansions, conditions, market size,

various drivers, limitations, and key players along with their profile details. The Automotive self-driving chip sales market report offers the historical data for 2018 to 2023 and also makes available the forecast data from the year 2024 to 2030 which is based on revenue. With the help of all this information research report helps the Market contributors to expand their market

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Automotive self-driving chip sales market: Increasing investments in autonomous vehicle technology drive sales of self-driving chips.

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Exactitude Consultancy



Automotive self-driving chip sales Market

positions. With the benefit of all these explanations, this market research report recommends a business strategy for present market participants to strengthen their role in the market. This report analyzes the impact of the COVID-19 pandemic on the Automotive self-driving chip sales Market from a Global and Regional perspective.

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<https://exactitudeconsultancy.com/reports/14273/automotive-self-driving-chip-sales-market/#request-a-sample>

Safety features are an important prerequisite for automotive customers across the world. Governments across the world have mandated the incorporation of features such as lane departure warning (LDW) and automatic emergency braking (AEB) paving way for new technologies and Autonomous / Self-driving cars. Different types of safety features have, therefore, been developed to assist drivers and lower the number of accidents. It is expected that the emergence of robo-taxis will be one of the key revenue-generating segments for Autonomous / Self-driving cars.

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NVIDIA Corporation, Qualcomm, Mobil eye, Intel Corporation, Tesla, Samsung, Waymo, Autotalks, Siemens, Xilinx, TI (Texas Instruments), Infineon and Renesas Electronics among others.

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In May 2022, Renesas to invest and restart operation of Kofu Factory as 300mm Water Fab dedicated to Power Semiconductors.

In December 2021, Tesla introduced Software Version 11.0 and creative features such as Tesla light show, New User Interface, Updated navigation, Comfort suspension when in autopilot, cold weather improvements.

Introduction of AI-based camera systems for autonomous / Automotive self-driving chip sales

Numerous tier-1 suppliers and autonomous / self-driving car developers are focusing on the development and adoption of AI-based cameras as these systems offer safety features, such as adaptive cruise control, adaptive headlamp control, traffic sign recognition, forward collision warning, pedestrian detection, and automated braking. Advantages of AI camera systems include cost-savings, the fusion of various complementary technologies for reliable safety, and highly compact form factor.

Robert Bosch, one of the leading manufacturers of camera systems for Autonomous / Self-driving cars, has developed an AI-based camera MPC3 for autonomous / self-driving vehicles. The MPC3 marks a major stride toward autonomous / self-driving vehicles, an advance impelled mainly by artificial intelligence. The Bosch team took a multi-path approach to develop the camera. Its engineers and programmers created a software architecture that combines conventional image-processing algorithms with AI-driven methods and embedded it on a high-performance system-on-chip (SoC) with an integrated microprocessor. This enables peerless scene understanding and reliable object recognition. The AI camera works in three stages. The

first path is the conventional approach already in use

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The Automotive Self-Driving Chip Sales Market Report provides a preliminary review of the industry, definitions, classifications, and enterprise chain shape. Market analysis is furnished for the worldwide markets which include improvement tendencies, hostile view evaluation, and key regions development. Development policies and plans are discussed, and manufacturing strategies and fee systems are also analyzed.

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Passenger Vehicle

Heavy Commercial Vehicle

Light Commercial Vehicle

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Lane Assist

Crash Warning System

Blind Spot Detection

Adaptive Cruise Control

Smart Parking Assist

Automatic Emergency Braking

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Driver Assistance

Safety

Vehicle Motion

Infotainment

Other

Figure 1: Global ADAS market share by region, 2019-2021, (in %)

Level 1

Level 2

Level 3

Level 4

Level 5

Figure 2: Global ADAS market share by region, 2019-2021, (in %)

North America, the largest market in 2021 accounted for more revenue generation of worldwide sales. The self-driving chipset market is dominated by North America with a market share of 41% in 2019. The United States is the leader with a much higher share of Automotive self-driving chip consumption than the other countries included in this study. The region captured 65% market share by revenue in 2019. Safety regulations established by the N.H.T.S.A in the United States and Canada have forced commercial and auto manufacturers to offer a number of applications. Certain ADAS such as Automatic emergency braking are the standard features. There are a number of other reasons that are driving the ADV chipset market towards growth: one is the country's higher GDP allowing for higher consumer purchasing power, and secondly, a higher ADAS penetration rate in other methods in the standard and luxury amenities. The presence of major ADV chipset suppliers such as Autoliv, TRW Automotive is one of the few factors driving the growth of this market in the region.

Growing awareness of available security devices and benefits is driving the market in North America region followed by North America region, Asia-Pacific market is also expected to have larger market share in the coming years. The authorities of this region have made it mandatory to have advanced emergency breaking functionality on all vehicles on the road. The increase in the number of road accidents has forced the government to take safety measures to reduce the number of victims and the number of deaths. The Asia-Pacific market is also expected to witness growth in the coming years. Increased disposable income has increased purchasing power, which will help people in this area buy self-driving cars in the future.

Figure 3: Global ADAS market share by region, 2019-2021, (in %)

<https://exactitudeconsultancy.com/reports/14273/automotive-self-driving-chip-sales-market/>

Exactitude Consultancy has published a new report titled "Automotive self-driving chip sales market" which provides a detailed overview of the market and its dynamics.

- Detailed overview of The Automotive self-driving chip sales market.
- Changing market dynamics of the industry.
- In-depth market breakdown by Type, Application, etc.
- Historic, existing, and predictable market size in terms of extent and worth.
- Recent manufacturing trends and developments.
- Competitive landscape of The Automotive self-driving chip sales market.
- Approaches to significant performers and product help.
- Prospective and niche sectors/regions exhibiting promising growth.

The report also includes a detailed analysis of the market and its dynamics.

- To analyze and forecast the market size of Automotive self-driving chip sales in the global market.
- To study the global key players, SWOT analysis, value, and market share of the global Automotive self-driving chip sales for key players.
- Determine, explain, and forecast the market by type, end-use, and region.
- Analyze market potential and advantage, opportunity and challenge, constraints and risks of key global regions.
- Discover significant trends and factors driving or restricting market growth.
- Analyze opportunities in the market for stakeholders, identifying high-growth segments.
- Critically analyze each submarket in terms of individual growth trends and its contribution to the market.
- Understand competitive developments such as agreements, expansions, new launches

products, and market holdings.

– Strategically outline key players and comprehensively analyze their growth strategies.

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Conclusion: All findings and estimates are provided at the end of the Automotive self-driving chip sales Market report. It also includes key drivers and opportunities along with regional analysis. The segment analysis is also provided in terms of type and application.

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What are the important matters drivers, opportunities, challenges, and dangers of the market?
will face surviving?

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What is the forecast compound annual growth rate (CAGR) of the global market for the duration
of the forecast period (2024-2030)?

What could be the anticipated value of the Automotive self-driving chip sales marketplace during
the forecast period?

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