Sensor for Automated Vehicles Report: Trends, forecast and Competitive Analysis to 2030

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Abstracts

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Sensor for Automated Vehicles Trends and forecast

The future of the global sensor for automated vehicles market looks promising with opportunities in the signal-level fusion, object-level fusion, feature-level fusion, and decision-level fusion markets. The global sensor for automated vehicles market is expected to reach an estimated $18.8 billion by 2030 with a CAGR of 60.0% from 2024 to 2030. The major drivers for this market are increasing adoption of advanced driver assistance systems (ADAS) safety features, advancement in self-driving commercial vehicles, and rising government efforts to enhance road safety.

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown below.

Sensor for Automated Vehicles by Segment

The study includes a forecast for the global sensor for automated vehicles by platform approach, level of autonomy, vehicle type, sensor fusion process, and region.

Sensor for Automated Vehicles Market by Platform Approach [Shipment Analysis by Value from 2018 to 2030]:

      High-Level Fusion

      Mid-Level Fusion

Low-Level Fusion

Sensor for Automated Vehicles Market by Level of Autonomy [Shipment Analysis by Value from 2018 to 2030]:

L2+

L3

L4

Sensor for Automated Vehicles Market by Vehicle Type [Shipment Analysis by Value from 2018 to 2030]:

Passenger Cars

Commercial Vehicles

Sensor for Automated Vehicles Market by Sensor Fusion Process [Shipment Analysis by Value from 2018 to 2030]:

Signal-Level Fusion

Object-Level Fusion

Feature-Level Fusion

Decision-Level Fusion

Sensor for Automated Vehicles Market by Region [Shipment Analysis by Value from 2018 to 2030]:

North America

Europe

Asia Pacific

The Rest of the World

List of Sensor Companies for Automated Vehicles

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies sensor companies for automated vehicles cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the sensor companies for automated vehicles profiled in this report include-

Robert Bosch

Continental

ZF Friedrichshafen

Denso

NXP Semiconductors

Sensor for Automated Vehicles Insights

Lucintel forecasts that high-level fusion will remain the largest segment over the forecast period.

Feature-level fusion is expected to witness highest growth.

APAC will remain the largest segment over the forecast period.

Features of the Global Sensor for Automated Vehicles Market

Market Size Estimates: Sensor market for automated vehicles marketsize estimation in terms of value ($B).

Trend and forecast Analysis: Market trends (2018 to 2023) and forecast (2024 to 2030) by various segments and regions.

Segmentation Analysis: Sensor market for automated vehicles market by various segments, such as by platform approach, level of autonomy, vehicle type, sensor fusion process and region in terms of($B).

Regional Analysis: Sensor market for automated vehicles market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different platform approach, level of autonomy, vehicle type, sensor fusion process, and regions for the sensor for automated vehicles market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape of the sensor for automated vehicles market.

Analysis of competitive intensity of the industry based on Porter's Five forces model.

FAQ

Q.1 What is the sensor for automated vehicles market size?

Answer: The global sensor for automated vehicles market is expected to reach an estimated $18.8 billion by 2030.

Q.2 What is the growth forecast for sensor for automated vehicles market?

Answer: The global sensor for automated vehicles market is expected to grow with a CAGR of 60.0% from 2024 to 2030.

Q.3 What are the major drivers influencing the growth of the sensor for automated vehicles market?

Answer: The major drivers for this market are increasing adoption of advanced driver assistance systems (ADAS) safety features, advancement in self-driving commercial

vehicles, and rising government efforts to enhance road safety.

Q4. What are the major segments for sensor for automated vehicles market?

Answer: The future of the sensor for automated vehicles market looks promising with opportunities in the signal-level fusion, object-level fusion, feature-level fusion, and decision-level fusion markets.

Q5. Who are the key sensor companies for automated vehicles market ?

Answer: Some of the key sensor companies for automated vehicles are as follows:

    Robert Bosch

    Continental

    ZF Friedrichshafen

    DENSO

    NXP Semiconductors

Q6. Which sensor for automated vehicles market segment will be the largest in future?

Answer: Lucintel forecasts that high-level fusion will remain the largest segment over the forecast period.

Q7. In sensor for automated vehicles market, which region is expected to be the largest in next 5 years?

Answer: APAC will remain the largest segment over the forecast period.

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Answer: Yes, Lucintel provides 10% customization without any additional cost.

This report answers following 11 key questions:

Q.1. What are some of the most promising, high-growth opportunities for the sensor for automated vehicles market by platform approach (high-level fusion, mid-level fusion, and low-level fusion), level of autonomy (L2+, L3, and L4), vehicle type (passenger cars and commercial vehicles), sensor fusion process (signal-level fusion, object-level fusion, feature-level fusion, and decision-level fusion), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

For any questions related to Sensor For Automated Vehicles Market, Sensor For Automated Vehicles Market Size, Sensor For Automated Vehicles Market Growth, Sensor For Automated Vehicles Market Analysis, Sensor For Automated Vehicles Market Report, Sensor For Automated Vehicles Market Share, Sensor For Automated Vehicles Market Trends, Sensor For Automated Vehicles Market Forecast, Sensor For Automated Vehicles Companies, write Lucintel analyst at email: helpdesk@lucintel.com. We will be glad to get back to you soon.

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