

Automotive LiDAR Sensors Market size is Expected to Reach \$11.7 Billion by 2031 | Hella KGaA Hueck & Co., Denso Corp

OREGAON, PORTLAND, UNITED STATES, March 18, 2024 /EINPresswire.com/ -- Allied Market Research published an exclusive report, titled, "[Automotive LiDAR Sensors Market](#) by Type (Time of Flight (ToF), Frequency-Modulated-Continuous-Wave (FMCW)), by Technology (Solid-state, Electro-mechanical), by Image Type (2 Dimensional, 3 Dimensional), by Vehicle Type (Internal Combustion Engine (ICE), Hybrid, Battery Electric), by Application (Semi-autonomous Vehicles, Autonomous Vehicles): Global Opportunity Analysis and Industry Forecast, 2021-2031".



Automotive LiDAR Sensors Industry

The global automotive lidar sensors market was valued at \$793.2 million in 2021, and is projected to reach \$11.7 billion by 2031, growing at a CAGR of 31.7% from 2022 to 2031



The semi-autonomous vehicles segment dominated the market in 2020, in terms of revenue, and the autonomous vehicles segment is anticipated to witness highest CAGR of 32.7% during the forecast period."

David Correa

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Lidar systems map out their environments by sending laser pulses outward. When the pulse contacts an object or obstacle, it reflects or bounces back to the lidar unit. The system then receives the pulse and calculates the distance between it and the object, based on the elapsed time between emitting the pulse and receiving the return beam.

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Key Market Players:

The automotive lidar sensors market size report offers an in-depth analysis of the 10 prime market players that are active in the market. Moreover, it provides their thorough financial analysis, business strategies, SWOT profile, business overview, and recently launched products & services. In addition, the report offers recent market developments such as market expansion, mergers & acquisitions, and partnerships & collaborations. The prime market players studied in the report are Robert Bosch GmbH, Continental AG, First Sensor AG, Hella KGaA Hueck & Co., Denso Corp, Novariant, Inc., Quanergy Systems, Inc., LeddarTech, Velodyne LiDAR, Inc., Texas Instruments Incorporated.

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Segmentation Analysis:

The automotive lidar sensors market is segmented on the basis of type, technology, image type, vehicle type and application and geography. The report offers an in-depth study of every segment, which helps market players and stakeholders to understand the fastest growing segments and highest grossing segments in the market.

The automotive lidar sensors market is analyzed across the globe and highlight several factors that affect the performance of the market across the various region including North America (United States, Canada, and Mexico), Europe (Germany, France, UK, Russia, and Italy), Asia-Pacific (China, Japan, Korea, India, and Southeast Asia), South America (Brazil, Argentina, Colombia), Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, and South Africa).

The report provides an explicit global educational robot market breakdown and exemplifies how the opposition will take shape in the new few years to come. Rendering the top ten industry players functional in the market, the study emphasizes on the policies & approaches integrated by them to retain their foothold in the [Automotive LiDAR Sensors industry](#).

The Report will help the Readers:

- Figure out the market dynamics altogether.
- Inspect and scrutinize the competitive scenario and the future automotive lidar sensors market

landscape with the help of different strictures including Porter's five forces.

- Understand the impact of different government regulations throughout the global health crisis and evaluate the automotive lidar sensors market condition in the tough time.
- Consider the portfolios of the protruding players functional in the market in consort with the thorough study of their products/services.
- Have a compact idea of the highest revenue generating segment.

The research operandi of the global automotive lidar sensors market includes significant primary as well as secondary research. When the primary methodology encompasses widespread discussion with a plethora of valued participants, the secondary research involves a substantial amount of product/service descriptions. Furthermore, several government sites, industry bulletins, and press releases have also been properly examined to bring forth high-value industry insights.

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COVID-19 Impact Analysis:

The COVID-19 pandemic hit almost all sectors across the globe. The government restrictions and guidelines issued by World Health Organization (WHO) have temporarily suspended the manufacturing facilities. In addition, the prolonged lockdown across several countries led to disruption of the supply chain and increased raw material prices. Such factors affected the global automotive lidar sensors market growth . The report offers an in-depth analysis of the impact of the COVID-19 outbreak on the market.

The Report Offers:

- Evaluation of market share for regional and country-level segments.
- Market analysis of top industry players.
- Strategic recommendations for new entrants.
- All mentioned segments, and regional market forecasts for the next 10 years.
- Market Trends (Drivers, Difficulties, Opportunities, Threats, Challenges, Investment Opportunities and Recommendations)
- Strategic recommendations in the main business segment of the market forecast.
- Competitive landscaping of major general trends.
- Company profiling with detailed strategy, financial and recent developments.
- Latest technological progress mapping supply chain trends.

The market study further promotes a sustainable market scenario on the basis of key product offerings. On the other hand, Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network. The report provides an explicit global automotive lidar sensors market breakdown and exemplifies how the opposition will take shape in the new few years to come. Rendering the top ten industry players functional in the market, the study emphasizes on the

policies & approaches integrated by them to retain their foothold in the industry.

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