+44 20 8123 2220
info@marketpublishers.com

Global Automotive Lidar Market Segmented By Application (Semi-Autonomous Vehicle and Autonomous Vehicle), By Technology (Mechanical LiDAR and Solid-state LiDAR), By Range (Short- & Mid-range and Long Range), By Vehicle Type (Internal Combustion Engine (ICE) and Electric & Hybrid), By Regional, Competition Forecast & Opportunities, 2018 – 2028F

https://marketpublishers.com/r/G007ABEC859DEN.html
Date: October 2023
Pages: 174
Price: US$ 4,900.00 (Single User License)
ID: G007ABEC859DEN

Abstracts

The Global Automotive LiDAR Market attained a valuation of USD 520 Million in 2022 and is poised to experience strong growth during the forecast period, with a Compound Annual Growth Rate (CAGR) of 28% expected through 2028. The global Automotive LiDAR (Light Detection and Ranging) market has been rapidly evolving and playing a pivotal role in the development of advanced driver assistance systems (ADAS) and autonomous vehicles. LiDAR technology employs laser beams to create precise 3D maps of a vehicle's surroundings, enabling accurate perception of objects, pedestrians, and road conditions. The market's growth is primarily driven by the increasing emphasis on vehicle safety, the pursuit of higher levels of autonomy, and the need for reliable sensor systems to navigate complex environments.

LiDAR systems are being integrated into various vehicle types, ranging from passenger cars to commercial vehicles, to enhance their perception capabilities and improve decision-making algorithms. This integration aligns with the industry's shift towards achieving semi-autonomous and fully autonomous driving capabilities. Various companies, spanning from traditional automotive manufacturers to technology startups, are investing in LiDAR technology, leading to advancements in sensor miniaturization,

cost reduction, and performance improvement. These developments aim to make LiDAR more accessible for mass-market vehicles and contribute to the scalability of autonomous driving technology.

Despite the progress, the LiDAR market faces challenges such as addressing adverse weather conditions, ensuring cost-effectiveness, and integrating LiDAR systems into vehicle designs without compromising aesthetics. However, ongoing research and development efforts are actively underway to overcome these obstacles and enhance the overall viability of LiDAR technology in real-world driving scenarios.

Key Market Drivers:

1. Advancing Autonomy and ADAS Development:

The primary driver of the Automotive LiDAR market is the push towards higher levels of vehicle autonomy. As automakers and technology companies strive to develop self-driving cars, LiDAR technology has emerged as a critical enabler. LiDAR sensors offer real-time, high-resolution 3D mapping of a vehicle's surroundings, providing a comprehensive view of objects, pedestrians, obstacles, and road conditions. This data is essential for autonomous vehicles to accurately perceive and respond to their environment, enabling safe navigation and informed decision-making.

2. Safety and Collision Avoidance:

Vehicle safety is a paramount concern for consumers and regulatory bodies alike. LiDAR systems contribute significantly to enhancing safety by providing a redundant and reliable sensor system capable of detecting and predicting potential collisions in various driving conditions. These systems can accurately identify objects and obstacles, even in low-light or adverse weather conditions, playing a critical role in preventing accidents and reducing their severity.

3. Regulatory Push for Safer Vehicles:

Stringent safety regulations imposed by governments worldwide are propelling the adoption of advanced driver assistance systems and autonomous driving technology. Regulatory bodies acknowledge the potential of LiDAR in improving road safety and reducing accidents. Consequently, the automotive industry is under pressure to integrate advanced sensor technologies like LiDAR into vehicles to comply with safety standards. This regulatory push has incentivized automakers and technology providers

+44 20 8123 2220
info@marketpublishers.com

to invest in LiDAR research and development to ensure their vehicles meet required safety criteria.

4. Increasing Consumer Awareness and Demand:

Consumer awareness of automotive safety features has grown substantially, driven by media coverage of accidents, technological advancements, and a general interest in innovative vehicle features. Consumers now seek vehicles equipped with advanced safety features enabled by LiDAR technology. This demand has prompted automakers to incorporate LiDAR systems into their vehicle offerings to meet customer expectations and gain a competitive advantage in the market.

5. Technological Advancements and Miniaturization:

The Automotive LiDAR market has witnessed rapid technological advancements leading to improved sensor performance, reliability, and cost-effectiveness. Innovations in laser technology, sensor components, and data processing algorithms have contributed to the miniaturization of LiDAR sensors. Smaller and more efficient sensors are easier to integrate into vehicle designs without compromising aesthetics, making LiDAR technology more accessible for a broader range of vehicles.

6. Investment and Collaboration in the Industry:

Interest and investment in LiDAR technology have surged across the automotive and technology sectors. Established automotive manufacturers, tech giants, and startups alike are allocating substantial resources to develop and commercialize LiDAR solutions. Collaborations between automakers and technology providers have become commonplace, leveraging expertise to accelerate LiDAR's integration into vehicles. These partnerships enhance research capabilities, expedite product development, and contribute to the overall growth of the LiDAR market.

7. Navigating Challenging Environments:

LiDAR's capability to provide accurate and reliable data in various environmental conditions, such as darkness, rain, fog, and snow, addresses a significant limitation of some other sensor technologies. This versatility is crucial for the practical implementation of autonomous vehicles, as they must operate consistently and safely in diverse weather and road conditions. The ability of LiDAR systems to generate high-resolution maps irrespective of external factors positions them as a preferred choice for

+44 20 8123 2220
info@marketpublishers.com

ensuring reliable navigation and obstacle detection.

Key Market Challenges:

1. Cost and Scalability:

One of the primary challenges hindering the adoption of LiDAR technology in the automotive sector is its cost. Traditional LiDAR systems, especially those designed for high levels of autonomy, can be prohibitively expensive for mass-market vehicles. The complexity of LiDAR sensors, involving precise laser emitters, detectors, and advanced signal processing components, contributes to the high cost. Achieving cost reductions through economies of scale and advancements in manufacturing processes is crucial to make LiDAR systems economically viable for a broader range of vehicles.

2. Miniaturization and Integration:

Seamlessly integrating LiDAR sensors into vehicles without compromising design aesthetics and functionality presents a significant challenge. Traditional LiDAR systems are bulky and may not align with the sleek design requirements of modern vehicles. Miniaturizing these systems while maintaining performance is a technical hurdle that the industry is actively addressing. The challenge lies in developing compact, reliable, and robust LiDAR sensors that can be seamlessly integrated into various vehicle types and configurations.

3. Environmental Factors:

While LiDAR technology excels in various environmental conditions, such as darkness and rain, certain challenges remain. Adverse weather conditions like heavy rain, snow, and fog can affect LiDAR performance by scattering laser beams and reducing their accuracy. Developing LiDAR systems that can function optimally in all weather scenarios is essential for ensuring the safety and reliability of autonomous vehicles, especially in regions with harsh climates.

4. Regulatory Uncertainty:

The regulatory landscape surrounding autonomous vehicles and their sensor technologies is still evolving. Governments and regulatory bodies are grappling with the implications of autonomous driving, and standards and requirements for LiDAR-equipped vehicles are not yet fully established. Harmonizing global regulations is a

+44 20 8123 2220
info@marketpublishers.com

complex process that requires collaboration between governments, industry stakeholders, and safety organizations. Regulatory uncertainty can impact investment decisions, technology development, and market adoption rates.

5. Data Processing and Interpretation:

LiDAR systems generate vast amounts of data from the surrounding environment, necessitating sophisticated data processing and interpretation algorithms. Extracting meaningful information from this data while ensuring real-time processing capabilities poses a challenge. Efficient data processing is crucial for accurate object detection, mapping, and decision-making by autonomous vehicles. Developing algorithms that can effectively handle this data volume and ensure accuracy is an ongoing endeavor.

6. Perception and Object Recognition:

While LiDAR sensors provide highly accurate 3D maps of the environment, interpreting this data accurately and efficiently to recognize and classify objects presents a challenge. Distinguishing between pedestrians, cyclists, vehicles, and stationary obstacles in complex urban environments requires advanced machine learning and artificial intelligence algorithms. Training these algorithms to handle a wide array of scenarios and objects is essential for the safe and reliable operation of autonomous vehicles.

7. LiDAR Interference and Safety:

With the increasing adoption of LiDAR systems in vehicles, potential interference between different LiDAR sensors can affect their accuracy and performance. Ensuring that LiDAR sensors from different vehicles or infrastructures do not interfere with each other requires careful design and standardization efforts. Moreover, safety mechanisms need to be in place to prevent system failures that could compromise the vehicle's operation in critical situations.

Key Market Trends:

1. Integration of LiDAR into ADAS and Autonomous Vehicles:

A significant trend in the Automotive LiDAR market is the integration of LiDAR technology into various levels of autonomous vehicles and advanced driver assistance systems. Automakers and technology companies leverage LiDAR's high-resolution 3D

+44 20 8123 2220
info@marketpublishers.com

mapping capabilities to enhance vehicle perception, enabling features like lane-keeping assistance, adaptive cruise control, and automated parking. LiDAR-equipped vehicles are becoming more common in development fleets, underscoring LiDAR's growing role in the journey toward full autonomy.

2. Transition from Mechanical to Solid-State LiDAR:

A notable trend is the shift towards solid-state LiDAR technology from traditional mechanical systems. Solid-state LiDAR sensors eliminate the need for mechanical components, making them more durable, compact, and cost-effective. This shift is crucial for mass-market adoption, as solid-state LiDAR systems are easier to integrate into vehicles and can be produced at scale.

3. Collaborations and Partnerships:

Collaborations and partnerships between automakers, technology providers, and LiDAR manufacturers are becoming increasingly common. These collaborations leverage the strengths of various stakeholders to expedite LiDAR development and integration. Automotive companies collaborate with LiDAR specialists to leverage sensor technology expertise, while technology giants partner with automakers to combine sensor data with AI and software solutions for safer and more reliable autonomous driving systems.

4. Sensor Fusion for Redundancy:

Sensor fusion and redundancy are significant trends in the Automotive LiDAR market. Autonomous and semi-autonomous vehicles require multiple sensor technologies, including LiDAR, radar, cameras, and ultrasonic sensors, to create a comprehensive perception system. Sensor fusion enhances reliability by cross-validating data from different sensors, reducing the risk of false positives and negatives. LiDAR's role in this ecosystem is pivotal for accurate and robust perception in various driving conditions.

5. Focus on Perception Algorithms and AI:

Advanced perception algorithms powered by AI are a key trend. LiDAR data is extensive and complex, requiring sophisticated AI algorithms to interpret and react to the environment in real-time. Developing AI-powered algorithms capable of accurately detecting, classifying, and predicting object behavior is crucial. Integrating machine learning and deep learning techniques into LiDAR processing pipelines is essential for

+44 20 8123 2220
info@marketpublishers.com

enhancing object recognition and enabling better decision-making by autonomous vehicles.

6. Customization for Vehicle Types:

Recognizing the need for tailored LiDAR solutions, a trend is emerging where LiDAR technology is customized for different vehicle types. Passenger cars, commercial vehicles, and even micro-mobility solutions like e-scooters have unique requirements in terms of range, field of view, and resolution. Customized LiDAR solutions optimized for specific vehicle types enable sensor configurations that cater to the distinct needs of each vehicle category.

7. Global Regulatory Framework Development:

The regulatory landscape for autonomous vehicles and their underlying technologies is evolving. Governments and regulatory bodies are working to establish standards for autonomous driving systems, including LiDAR technology. A key trend is the development of a global regulatory framework addressing safety, testing, and certification requirements. Harmonized regulations are crucial for fostering innovation while ensuring safety and consistency in the deployment of autonomous vehicles.

Segmental Insights:

1. Application Type Insights:

The global automotive LiDAR market is significantly influenced by the emergence and development of both Semi-Autonomous and Autonomous Vehicles. Currently, Semi-Autonomous Vehicles have a greater impact on this market. Several factors contribute to this trend, rooted in the transitional phase of the automotive industry. Existing technology and consumer readiness to adopt semi-autonomous features play a crucial role. Consumers are increasingly comfortable with semi-autonomous vehicle features, especially those enhancing safety and convenience. Adaptive cruise control, lane-keeping assistance, and automated parking are becoming common. These capabilities rely heavily on LiDAR technology, making Semi-Autonomous Vehicles major contributors to the LiDAR market. As consumers embrace these technologies, their implementation continues to drive the market. In contrast, Autonomous Vehicles, despite their potential to revolutionize the automotive sector, are still in the development stage. These vehicles represent a significant leap from semi-autonomous ones, offering complete driving automation through advanced LiDAR systems. However, hurdles such

+44 20 8123 2220
info@marketpublishers.com

as testing and regulatory approval limit the current impact of Autonomous Vehicles on the LiDAR market. As these obstacles are overcome and Autonomous Vehicles gain regulatory approval and public acceptance, they are expected to contribute significantly more to the LiDAR market. With the world moving toward greater automation, LiDAR's role in enabling Autonomous Vehicles will become even more critical, fueling the future growth of the global automotive LiDAR market.

2. Vehicle Type Insights:

The Electric and Hybrid vehicle sector currently dominates the global automotive LiDAR market, holding a substantial majority share. This dominance is mainly attributed to the increasing global demand for energy-efficient, clean, and sustainable transportation solutions. Electric and Hybrid vehicles align with advanced LiDAR technologies due to their unique design and operating principles. These vehicles are better equipped to integrate complex LiDAR systems seamlessly, enhancing performance and safety. Regulatory bodies worldwide promote Electric and Hybrid vehicles to reduce carbon footprints and meet emissions targets, driving further growth. Incentives like tax breaks and grants bolster this sector's hold on the market. The increasing demand for cleaner transport, combined with the compatibility of these vehicles with LiDAR technologies and favorable regulations, strengthens the Electric and Hybrid vehicle sector's position. This trend is expected to continue, with the sector's market share projected to grow further. Furthermore, the advancement and proliferation of LiDAR technology itself will likely contribute to the Electric and Hybrid vehicle sector's growth. As LiDAR's benefits become more understood, consumer demand for vehicles equipped with this technology will rise, further boosting the sector.

3. Regional Insights:

The global Automotive LiDAR market experiences diverse regional trends. In North America, a surge in autonomous vehicle development drives LiDAR demand. Europe, with a robust automotive industry and stringent vehicle safety regulations, also exhibits substantial growth. In Asia-Pacific, the market expansion is led by rapid technological advancements, growing automotive industries in China, Japan, and South Korea, and increasing investments in self-driving technologies.

Key Market Players

Ouster Inc.

+44 20 8123 2220
info@marketpublishers.com

Robert Bosch GmbH

Valeo

Insight LiDAR

Velodyne LiDAR Inc.

Leddar Tech

Waymo LLC

RoboSense

Report Scope:

In this report, the Global Automotive Lidar Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Global Automotive Lidar Market, By Application Type:

Semi-Autonomous Vehicle

Autonomous Vehicle

Global Automotive Lidar Market, By Technology Type:

Mechanical LiDAR

Solid-state LiDAR

Global Automotive Lidar Market, By Range Type:

Short-Range

Mid-range

Long Range

+44 20 8123 2220
info@marketpublishers.com

Global Automotive Lidar Market, By Vehicle Type:

- Internal Combustion Engine (ICE)
- Electric & Hybrid

Global Automotive Lidar Market, Region:

- Asia-Pacific
  - China
  - India
  - Japan
  - Indonesia
  - Thailand
  - South Korea
  - Australia
- Europe & CIS
  - Germany
  - Spain
  - France
  - Russia
  - Italy
  - United Kingdom

+44 20 8123 2220
info@marketpublishers.com

Belgium

North America

United States

Mexico

Canada

South America

Brazil

Argentina

Colombia

Middle East & Africa

Turkey

Iran

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Automotive Lidar Market.

Available Customizations:

Global Automotive Lidar Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

+44 20 8123 2220
info@marketpublishers.com

Company Information

Detailed analysis and profiling of additional market players (up to five).

+44 20 8123 2220
info@marketpublishers.com

Contents

ntroduction
1.1. Product Overview
1.2. Key Highlights of the Report
1.3. Market Coverage
1.4. Market Segments Covered
1.5. Research Tenure Considered

2. RESEARCH METHODOLOGY

2.1. Objective of the Study
2.2. Baseline Methodology
2.3. Key Industry Partners
2.4. Major Association and Secondary Sources
2.5. Forecasting Methodology
2.6. Data Triangulation & Validation
2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

3.1. Market Overview
3.2. Market Forecast
3.3. Key Regions
3.4. Key Segments

4. IMPACT OF COVID-19 ON GLOBAL AUTOMOTIVE LIDAR MARKET

5. GLOBAL AUTOMOTIVE LIDAR MARKET OUTLOOK

5.1. Market Size & Forecast
  5.1.1. By Volume & Value
5.2. Market Share & Forecast
  5.2.1. By Application Type Market Share Analysis (Semi-Autonomous Vehicle and Autonomous Vehicle),
  5.2.2. By Technology Type Market Share Analysis (Mechanical LiDAR and Solid-state LiDAR)
  5.2.3. By Range Market Share Analysis (Short- & Mid-range and Long Range)

+44 20 8123 2220
info@marketpublishers.com

5.2.4. By Vehicle Type Market Share Analysis (Internal Combustion Engine (ICE) and Electric & Hybrid)
5.2.5. By Regional Market Share Analysis
5.2.5.1. Asia-Pacific Market Share Analysis
5.2.5.2. Europe & CIS Market Share Analysis
5.2.5.3. North America Market Share Analysis
5.2.5.4. South America Market Share Analysis
5.2.5.5. Middle East & Africa Market Share Analysis
5.2.6. By Company Market Share Analysis (Top 5 Companies, Others - By Value, 2022)
5.3. Global Automotive Lidar Market Mapping & Opportunity Assessment
5.3.1. By Application Type Market Mapping & Opportunity Assessment
5.3.2. By Technology Type Market Mapping & Opportunity Assessment
5.3.3. By Range Market Mapping & Opportunity Assessment
5.3.4. By Vehicle Type Mapping & Opportunity Assessment
5.3.5. By Regional Market Mapping & Opportunity Assessment

6. ASIA-PACIFIC AUTOMOTIVE LIDAR MARKET OUTLOOK

6.1. Market Size & Forecast
6.1.1. By Volume & Value
6.2. Market Share & Forecast
6.2.1. By Application Type Market Share Analysis
6.2.2. By Technology Type Market Share Analysis
6.2.3. By Range Market Share Analysis
6.2.4. By Vehicle Type Market Share Analysis
6.2.5. By Country Market Share Analysis
6.2.5.1. China Market Share Analysis
6.2.5.2. India Market Share Analysis
6.2.5.3. Japan Market Share Analysis
6.2.5.4. Indonesia Market Share Analysis
6.2.5.5. Thailand Market Share Analysis
6.2.5.6. South Korea Market Share Analysis
6.2.5.7. Australia Market Share Analysis
6.2.5.8. Rest of Asia-Pacific Market Share Analysis
6.3. Asia-Pacific: Country Analysis
6.3.1. China Automotive Lidar Market Outlook
6.3.1.1. Market Size & Forecast
6.3.1.1.1. By Volume & Value

+44 20 8123 2220
info@marketpublishers.com

6.3.1.2. Market Share & Forecast
6.3.1.2.1. By Application Type Market Share Analysis
6.3.1.2.2. By Technology Type Market Share Analysis
6.3.1.2.3. By Range Market Share Analysis
6.3.1.2.4. By Vehicle Type Market Share Analysis
6.3.2. India Automotive Lidar Market Outlook
6.3.2.1. Market Size & Forecast
6.3.2.1.1. By Volume & Value
6.3.2.2. Market Share & Forecast
6.3.2.2.1. By Application Type Market Share Analysis
6.3.2.2.2. By Technology Type Market Share Analysis
6.3.2.2.3. By Range Market Share Analysis
6.3.2.2.4. By Vehicle Type Market Share Analysis
6.3.3. Japan Automotive Lidar Market Outlook
6.3.3.1. Market Size & Forecast
6.3.3.1.1. By Volume & Value
6.3.3.2. Market Share & Forecast
6.3.3.2.1. By Application Type Market Share Analysis
6.3.3.2.2. By Technology Type Market Share Analysis
6.3.3.2.3. By Range Market Share Analysis
6.3.3.2.4. By Vehicle Type Market Share Analysis
6.3.4. Indonesia Automotive Lidar Market Outlook
6.3.4.1. Market Size & Forecast
6.3.4.1.1. By Volume & Value
6.3.4.2. Market Share & Forecast
6.3.4.2.1. By Application Type Market Share Analysis
6.3.4.2.2. By Technology Type Market Share Analysis
6.3.4.2.3. By Range Market Share Analysis
6.3.4.2.4. By Vehicle Type Market Share Analysis
6.3.5. Thailand Automotive Lidar Market Outlook
6.3.5.1. Market Size & Forecast
6.3.5.1.1. By Volume & Value
6.3.5.2. Market Share & Forecast
6.3.5.2.1. By Application Type Market Share Analysis
6.3.5.2.2. By Technology Type Market Share Analysis
6.3.5.2.3. By Range Market Share Analysis
6.3.5.2.4. By Vehicle Type Market Share Analysis
6.3.6. South Korea Automotive Lidar Market Outlook
6.3.6.1. Market Size & Forecast

+44 20 8123 2220
info@marketpublishers.com

6.3.6.1.1. By Volume & Value
6.3.6.2. Market Share & Forecast
6.3.6.2.1. By Application Type Market Share Analysis
6.3.6.2.2. By Technology Type Market Share Analysis
6.3.6.2.3. By Range Market Share Analysis
6.3.6.2.4. By Vehicle Type Market Share Analysis
6.3.7. Australia Automotive Lidar Market Outlook
6.3.7.1. Market Size & Forecast
6.3.7.1.1. By Volume & Value
6.3.7.2. Market Share & Forecast
6.3.7.2.1. By Application Type Market Share Analysis
6.3.7.2.2. By Technology Type Market Share Analysis
6.3.7.2.3. By Range Market Share Analysis
6.3.7.2.4. By Vehicle Type Market Share Analysis

7. EUROPE & CIS AUTOMOTIVE LIDAR MARKET OUTLOOK

7.1. Market Size & Forecast
7.1.1. By Volume & Value
7.2. Market Share & Forecast
7.2.1. By Application Type Market Share Analysis
7.2.2. By Technology Type Market Share Analysis
7.2.3. By Range Market Share Analysis
7.2.4. By Vehicle Type Market Share Analysis
7.2.5. By Country Market Share Analysis
7.2.5.1. Germany Market Share Analysis
7.2.5.2. Spain Market Share Analysis
7.2.5.3. France Market Share Analysis
7.2.5.4. Russia Market Share Analysis
7.2.5.5. Italy Market Share Analysis
7.2.5.6. United Kingdom Market Share Analysis
7.2.5.7. Belgium Market Share Analysis
7.2.5.8. Rest of Europe Market Share Analysis
7.3. Europe & CIS: Country Analysis
7.3.1. Germany Automotive Lidar Market Outlook
7.3.1.1. Market Size & Forecast
7.3.1.1.1. By Volume & Value
7.3.1.2. Market Share & Forecast
7.3.1.2.1. By Application Type Market Share Analysis

+44 20 8123 2220
info@marketpublishers.com

7.3.1.2.2. By Technology Type Market Share Analysis
7.3.1.2.3. By Range Market Share Analysis
7.3.1.2.4. By Vehicle Type Market Share Analysis
7.3.2. Spain Automotive Lidar Market Outlook
7.3.2.1. Market Size & Forecast
7.3.2.1.1. By Volume & Value
7.3.2.2. Market Share & Forecast
7.3.2.2.1. By Application Type Market Share Analysis
7.3.2.2.2. By Technology Type Market Share Analysis
7.3.2.2.3. By Range Market Share Analysis
7.3.2.2.4. By Vehicle Type Market Share Analysis
7.3.2.2.5.
7.3.3. France Automotive Lidar Market Outlook
7.3.3.1. Market Size & Forecast
7.3.3.1.1. By Volume & Value
7.3.3.2. Market Share & Forecast
7.3.3.2.1. By Application Type Market Share Analysis
7.3.3.2.2. By Technology Type Market Share Analysis
7.3.3.2.3. By Range Market Share Analysis
7.3.3.2.4. By Vehicle Type Market Share Analysis
7.3.4. Russia Automotive Lidar Market Outlook
7.3.4.1. Market Size & Forecast
7.3.4.1.1. By Volume & Value
7.3.4.2. Market Share & Forecast
7.3.4.2.1. By Application Type Market Share Analysis
7.3.4.2.2. By Technology Type Market Share Analysis
7.3.4.2.3. By Range Market Share Analysis
7.3.4.2.4. By Vehicle Type Market Share Analysis
7.3.5. Italy Automotive Lidar Market Outlook
7.3.5.1. Market Size & Forecast
7.3.5.1.1. By Volume & Value
7.3.5.2. Market Share & Forecast
7.3.5.2.1. By Application Type Market Share Analysis
7.3.5.2.2. By Technology Type Market Share Analysis
7.3.5.2.3. By Range Market Share Analysis
7.3.5.2.4. By Vehicle Type Market Share Analysis
7.3.6. United Kingdom Automotive Lidar Market Outlook
7.3.6.1. Market Size & Forecast
7.3.6.1.1. By Volume & Value

+44 20 8123 2220
info@marketpublishers.com

7.3.6.2. Market Share & Forecast
7.3.6.2.1. By Application Type Market Share Analysis
7.3.6.2.2. By Technology Type Market Share Analysis
7.3.6.2.3. By Range Market Share Analysis
7.3.6.2.4. By Vehicle Type Market Share Analysis
7.3.7. Belgium Automotive Lidar Market Outlook
7.3.7.1. Market Size & Forecast
7.3.7.1.1. By Volume & Value
7.3.7.2. Market Share & Forecast
7.3.7.2.1. By Application Type Market Share Analysis
7.3.7.2.2. By Technology Type Market Share Analysis
7.3.7.2.3. By Range Market Share Analysis
7.3.7.2.4. By Vehicle Type Market Share Analysis

8. NORTH AMERICA AUTOMOTIVE LIDAR MARKET OUTLOOK

8.1. Market Size & Forecast
8.1.1. By Volume & Value
8.2. Market Share & Forecast
8.2.1. By Application Type Market Share Analysis
8.2.2. By Technology Type Market Share Analysis
8.2.3. By Range Market Share Analysis
8.2.4. By Vehicle Type Market Share Analysis
8.2.5. By Country Market Share Analysis
8.2.5.1. United States Market Share Analysis
8.2.5.2. Mexico Market Share Analysis
8.2.5.3. Canada Market Share Analysis
8.3. North America: Country Analysis
8.3.1. United States Automotive Lidar Market Outlook
8.3.1.1. Market Size & Forecast
8.3.1.1.1. By Volume & Value
8.3.1.2. Market Share & Forecast
8.3.1.2.1. By Application Type Market Share Analysis
8.3.1.2.2. By Technology Type Market Share Analysis
8.3.1.2.3. By Range Market Share Analysis
8.3.1.2.4. By Vehicle Type Market Share Analysis
8.3.2. Mexico Automotive Lidar Market Outlook
8.3.2.1. Market Size & Forecast
8.3.2.1.1. By Volume & Value

+44 20 8123 2220
info@marketpublishers.com

8.3.2.2. Market Share & Forecast
8.3.2.2.1. By Application Type Market Share Analysis
8.3.2.2.2. By Technology Type Market Share Analysis
8.3.2.2.3. By Range Market Share Analysis
8.3.2.2.4. By Vehicle Type Market Share Analysis
8.3.3. Canada Automotive Lidar Market Outlook
8.3.3.1. Market Size & Forecast
8.3.3.1.1. By Volume & Value
8.3.3.2. Market Share & Forecast
8.3.3.2.1. By Application Type Market Share Analysis
8.3.3.2.2. By Technology Type Market Share Analysis
8.3.3.2.3. By Range Market Share Analysis
8.3.3.2.4. By Vehicle Type Market Share Analysis
8.3.3.2.5.

9. SOUTH AMERICA AUTOMOTIVE LIDAR MARKET OUTLOOK

9.1. Market Size & Forecast
9.1.1. By Volume & Value
9.2. Market Share & Forecast
9.2.1. By Application Type Market Share Analysis
9.2.2. By Technology Type Market Share Analysis
9.2.3. By Range Market Share Analysis
9.2.4. By Vehicle Type Market Share Analysis
9.2.5. By Country Market Share Analysis
9.2.5.1. Brazil Market Share Analysis
9.2.5.2. Argentina Market Share Analysis
9.2.5.3. Colombia Market Share Analysis
9.2.5.4. Rest of South America Market Share Analysis
9.3. South America: Country Analysis
9.3.1. Brazil Automotive Lidar Market Outlook
9.3.1.1. Market Size & Forecast
9.3.1.1.1. By Volume & Value
9.3.1.2. Market Share & Forecast
9.3.1.2.1. By Application Type Market Share Analysis
9.3.1.2.2. By Technology Type Market Share Analysis
9.3.1.2.3. By Range Market Share Analysis
9.3.1.2.4. By Vehicle Type Market Share Analysis
9.3.2. Colombia Automotive Lidar Market Outlook

+44 20 8123 2220
info@marketpublishers.com

9.3.2.1. Market Size & Forecast
9.3.2.1.1. By Volume & Value
9.3.2.2. Market Share & Forecast
9.3.2.2.1. By Application Type Market Share Analysis
9.3.2.2.2. By Technology Type Market Share Analysis
9.3.2.2.3. By Range Market Share Analysis
9.3.2.2.4. By Vehicle Type Market Share Analysis
9.3.3. Argentina Automotive Lidar Market Outlook
9.3.3.1. Market Size & Forecast
9.3.3.1.1. By Volume & Value
9.3.3.2. Market Share & Forecast
9.3.3.2.1. By Application Type Market Share Analysis
9.3.3.2.2. By Technology Type Market Share Analysis
9.3.3.2.3. By Range Market Share Analysis
9.3.3.2.4. By Vehicle Type Market Share Analysis

10. MIDDLE EAST & AFRICA AUTOMOTIVE LIDAR MARKET OUTLOOK

10.1. Market Size & Forecast
10.1.1. By Volume & Value
10.2. Market Share & Forecast
10.2.1. By Application Type Market Share Analysis
10.2.2. By Technology Type Market Share Analysis
10.2.3. By Range Market Share Analysis
10.2.4. By Vehicle Type Market Share Analysis
10.2.5. By Country Market Share Analysis
10.2.5.1. Turkey Market Share Analysis
10.2.5.2. Iran Market Share Analysis
10.2.5.3. Saudi Arabia Market Share Analysis
10.2.5.4. UAE Market Share Analysis
10.2.5.5. Rest of Middle East & Africa Market Share Analysis
10.3. Middle East & Africa: Country Analysis
10.3.1. Turkey Automotive Lidar Market Outlook
10.3.1.1. Market Size & Forecast
10.3.1.1.1. By Volume & Value
10.3.1.2. Market Share & Forecast
10.3.1.2.1. By Application Type Market Share Analysis
10.3.1.2.2. By Technology Type Market Share Analysis
10.3.1.2.3. By Range Market Share Analysis

+44 20 8123 2220
info@marketpublishers.com

10.3.1.2.4. By Vehicle Type Market Share Analysis
10.3.2. Iran Automotive Lidar Market Outlook
10.3.2.1. Market Size & Forecast
10.3.2.1.1. By Volume & Value
10.3.2.2. Market Share & Forecast
10.3.2.2.1. By Application Type Market Share Analysis
10.3.2.2.2. By Technology Type Market Share Analysis
10.3.2.2.3. By Range Market Share Analysis
10.3.2.2.4. By Vehicle Type Market Share Analysis
10.3.3. Saudi Arabia Automotive Lidar Market Outlook
10.3.3.1. Market Size & Forecast
10.3.3.1.1. By Volume & Value
10.3.3.2. Market Share & Forecast
10.3.3.2.1. By Application Type Market Share Analysis
10.3.3.2.2. By Technology Type Market Share Analysis
10.3.3.2.3. By Range Market Share Analysis
10.3.3.2.4. By Vehicle Type Market Share Analysis
10.3.4. UAE Automotive Lidar Market Outlook
10.3.4.1. Market Size & Forecast
10.3.4.1.1. By Volume & Value
10.3.4.2. Market Share & Forecast
10.3.4.2.1. By Application Type Market Share Analysis
10.3.4.2.2. By Technology Type Market Share Analysis
10.3.4.2.3. By Range Market Share Analysis
10.3.4.2.4. By Vehicle Type Market Share Analysis

11. SWOT ANALYSIS

11.1. Strength
11.2. Weakness
11.3. Opportunities
11.4. Threats

12. MARKET DYNAMICS

12.1. Market Drivers
12.2. Market Challenges

13. MARKET TRENDS AND DEVELOPMENTS

+44 20 8123 2220
info@marketpublishers.com

14. COMPETITIVE LANDSCAPE

14.1. Company Profiles (Up to 10 Major Companies)
14.1.1. Ouster Inc.
14.1.1.1. Company Details
14.1.1.2. Key Product Offered
14.1.1.3. Financials (As Per Availability)
14.1.1.4. Recent Developments
14.1.1.5. Key Management Personnel
14.1.2. Robert Bosch GmbH
14.1.2.1. Company Details
14.1.2.2. Key Product Offered
14.1.2.3. Financials (As Per Availability)
14.1.2.4. Recent Developments
14.1.2.5. Key Management Personnel
14.1.3. Valeo
14.1.3.1. Company Details
14.1.3.2. Key Product Offered
14.1.3.3. Financials (As Per Availability)
14.1.3.4. Recent Developments
14.1.3.5. Key Management Personnel
14.1.4. Insight LiDAR
14.1.4.1. Company Details
14.1.4.2. Key Product Offered
14.1.4.3. Financials (As Per Availability)
14.1.4.4. Recent Developments
14.1.4.5. Key Management Personnel
14.1.5. Velodyne LiDAR Inc.
14.1.5.1. Company Details
14.1.5.2. Key Product Offered
14.1.5.3. Financials (As Per Availability)
14.1.5.4. Recent Developments
14.1.5.5. Key Management Personnel
14.1.6. Leddar Tech
14.1.6.1. Company Details
14.1.6.2. Key Product Offered
14.1.6.3. Financials (As Per Availability)

+44 20 8123 2220
info@marketpublishers.com

14.1.6.4. Recent Developments
14.1.6.5. Key Management Personnel
14.1.7. Waymo LLC
14.1.7.1. Company Details
14.1.7.2. Key Product Offered
14.1.7.3. Financials (As Per Availability)
14.1.7.4. Recent Developments
14.1.7.5. Key Management Personnel
14.1.8. RoboSense
14.1.8.1. Company Details
14.1.8.2. Key Product Offered
14.1.8.3. Financials (As Per Availability)
14.1.8.4. Recent Developments
14.1.8.5. Key Management Personnel

15. STRATEGIC RECOMMENDATIONS

15.1. Key Focus Areas
15.1.1. Target Regions
15.1.2. Target Application Type
15.1.3. Target Technology Type

16. ABOUT US & DISCLAIMER

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: Global Automotive Lidar Market Segmented By Application (Semi-Autonomous Vehicle and Autonomous Vehicle), By Technology (Mechanical LiDAR and Solid-state LiDAR), By Range (Short- & Mid-range and Long Range), By Vehicle Type (Internal Combustion Engine (ICE) and Electric & Hybrid), By Regional, Competition Forecast & Opportunities, 2018 – 2028F

Product link: https://marketpublishers.com/r/G007ABEC859DEN.html

Price: US$ 4,900.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/G007ABEC859DEN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

**All fields are required

Custumer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

+44 20 8123 2220
info@marketpublishers.com

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970