

Global Automotive Lidar System Market Growth 2024-2030

<https://marketpublishers.com/r/G3BC9B7B7801EN.html>

Date: December 2024

Pages: 108

Price: US\$ 3,660.00 (Single User License)

ID: G3BC9B7B7801EN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

According to our LPI (LP Information) latest study, the global Automotive Lidar System market size was valued at US\$ 432.4 million in 2023. With growing demand in downstream market, the Automotive Lidar System is forecast to a readjusted size of US\$ 7865.8 million by 2030 with a CAGR of 51.3% during review period.

The research report highlights the growth potential of the global Automotive Lidar System market. Automotive Lidar System are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Automotive Lidar System. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Automotive Lidar System market.

LiDAR helps improve overall road safety by enabling advanced driver assistance systems (ADAS) and autonomous features. It enhances the vehicle's ability to perceive the surroundings, enabling features like adaptive cruise control, lane departure warning, automatic emergency braking, and more. LiDAR technology is essential for achieving higher levels of autonomy in vehicles. It provides accurate and real-time 3D mapping of the environment, allowing vehicles to detect and avoid obstacles, pedestrians, and Others vehicles. As the race to develop self-driving cars intensifies, the demand for reliable and sophisticated LiDAR solutions increases.

Key Features:

The report on Automotive Lidar System market reflects various aspects and provide valuable insights into the industry.

Market Size and Growth: The research report provide an overview of the current size and growth of the Automotive Lidar System market. It may include historical data, market segmentation by Type (e.g., Solid State Lidar, Mechanical Lidar), and regional breakdowns.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the Automotive Lidar System market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

Competitive Landscape: The research report provides analysis of the competitive landscape within the Automotive Lidar System market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

Technological Developments: The research report can delve into the latest technological developments in the Automotive Lidar System industry. This include advancements in Automotive Lidar System technology, Automotive Lidar System new entrants, Automotive Lidar System new investment, and other innovations that are shaping the future of Automotive Lidar System.

Downstream Procumbent Preference: The report can shed light on customer procumbent behaviour and adoption trends in the Automotive Lidar System market. It includes factors influencing customer ' purchasing decisions, preferences for Automotive Lidar System product.

Government Policies and Incentives: The research report analyse the impact of government policies and incentives on the Automotive Lidar System market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Automotive Lidar System market. The report also evaluates the effectiveness of these policies in driving market growth.

Environmental Impact and Sustainability: The research report assess the environmental impact and sustainability aspects of the Automotive Lidar System market.

Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the Automotive Lidar System industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

Recommendations and Opportunities: The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Automotive Lidar System market.

Market Segmentation:

Automotive Lidar System market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Segmentation by type

Solid State Lidar

Mechanical Lidar

Segmentation by application

ADAS

Self-driving

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.

Hesai Tech

Valeo

RoboSense

Luminar

Continental

Velodyne

Ouster

Livox

Innoviz

Cepton

Aeva

Key Questions Addressed in this Report

What is the 10-year outlook for the global Automotive Lidar System market?

What factors are driving Automotive Lidar System market growth, globally and by region?

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

How do Automotive Lidar System market opportunities vary by end market size?

How does Automotive Lidar System break out type, application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Automotive Lidar System Annual Sales 2019-2030
 - 2.1.2 World Current & Future Analysis for Automotive Lidar System by Geographic Region, 2019, 2023 & 2030
 - 2.1.3 World Current & Future Analysis for Automotive Lidar System by Country/Region, 2019, 2023 & 2030
- 2.2 Automotive Lidar System Segment by Type
 - 2.2.1 Solid State Lidar
 - 2.2.2 Mechanical Lidar
- 2.3 Automotive Lidar System Sales by Type
 - 2.3.1 Global Automotive Lidar System Sales Market Share by Type (2019-2024)
 - 2.3.2 Global Automotive Lidar System Revenue and Market Share by Type (2019-2024)
 - 2.3.3 Global Automotive Lidar System Sale Price by Type (2019-2024)
- 2.4 Automotive Lidar System Segment by Application
 - 2.4.1 ADAS
 - 2.4.2 Self-driving
- 2.5 Automotive Lidar System Sales by Application
 - 2.5.1 Global Automotive Lidar System Sale Market Share by Application (2019-2024)
 - 2.5.2 Global Automotive Lidar System Revenue and Market Share by Application (2019-2024)
 - 2.5.3 Global Automotive Lidar System Sale Price by Application (2019-2024)

3 GLOBAL AUTOMOTIVE LIDAR SYSTEM BY COMPANY

- 3.1 Global Automotive Lidar System Breakdown Data by Company
 - 3.1.1 Global Automotive Lidar System Annual Sales by Company (2019-2024)
 - 3.1.2 Global Automotive Lidar System Sales Market Share by Company (2019-2024)
- 3.2 Global Automotive Lidar System Annual Revenue by Company (2019-2024)
 - 3.2.1 Global Automotive Lidar System Revenue by Company (2019-2024)
 - 3.2.2 Global Automotive Lidar System Revenue Market Share by Company (2019-2024)
- 3.3 Global Automotive Lidar System Sale Price by Company
- 3.4 Key Manufacturers Automotive Lidar System Producing Area Distribution, Sales Area, Product Type
 - 3.4.1 Key Manufacturers Automotive Lidar System Product Location Distribution
 - 3.4.2 Players Automotive Lidar System Products Offered
- 3.5 Market Concentration Rate Analysis
 - 3.5.1 Competition Landscape Analysis
 - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)
- 3.6 New Products and Potential Entrants
- 3.7 Mergers & Acquisitions, Expansion

4 WORLD HISTORIC REVIEW FOR AUTOMOTIVE LIDAR SYSTEM BY GEOGRAPHIC REGION

- 4.1 World Historic Automotive Lidar System Market Size by Geographic Region (2019-2024)
 - 4.1.1 Global Automotive Lidar System Annual Sales by Geographic Region (2019-2024)
 - 4.1.2 Global Automotive Lidar System Annual Revenue by Geographic Region (2019-2024)
- 4.2 World Historic Automotive Lidar System Market Size by Country/Region (2019-2024)
 - 4.2.1 Global Automotive Lidar System Annual Sales by Country/Region (2019-2024)
 - 4.2.2 Global Automotive Lidar System Annual Revenue by Country/Region (2019-2024)
- 4.3 Americas Automotive Lidar System Sales Growth
- 4.4 APAC Automotive Lidar System Sales Growth
- 4.5 Europe Automotive Lidar System Sales Growth
- 4.6 Middle East & Africa Automotive Lidar System Sales Growth

5 AMERICAS

5.1 Americas Automotive Lidar System Sales by Country

5.1.1 Americas Automotive Lidar System Sales by Country (2019-2024)

5.1.2 Americas Automotive Lidar System Revenue by Country (2019-2024)

5.2 Americas Automotive Lidar System Sales by Type

5.3 Americas Automotive Lidar System Sales by Application

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Automotive Lidar System Sales by Region

6.1.1 APAC Automotive Lidar System Sales by Region (2019-2024)

6.1.2 APAC Automotive Lidar System Revenue by Region (2019-2024)

6.2 APAC Automotive Lidar System Sales by Type

6.3 APAC Automotive Lidar System Sales by Application

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Automotive Lidar System by Country

7.1.1 Europe Automotive Lidar System Sales by Country (2019-2024)

7.1.2 Europe Automotive Lidar System Revenue by Country (2019-2024)

7.2 Europe Automotive Lidar System Sales by Type

7.3 Europe Automotive Lidar System Sales by Application

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Automotive Lidar System by Country

8.1.1 Middle East & Africa Automotive Lidar System Sales by Country (2019-2024)

8.1.2 Middle East & Africa Automotive Lidar System Revenue by Country (2019-2024)

8.2 Middle East & Africa Automotive Lidar System Sales by Type

8.3 Middle East & Africa Automotive Lidar System Sales by Application

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Automotive Lidar System

10.3 Manufacturing Process Analysis of Automotive Lidar System

10.4 Industry Chain Structure of Automotive Lidar System

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Automotive Lidar System Distributors

11.3 Automotive Lidar System Customer

12 WORLD FORECAST REVIEW FOR AUTOMOTIVE LIDAR SYSTEM BY GEOGRAPHIC REGION

12.1 Global Automotive Lidar System Market Size Forecast by Region

12.1.1 Global Automotive Lidar System Forecast by Region (2025-2030)

12.1.2 Global Automotive Lidar System Annual Revenue Forecast by Region
(2025-2030)

12.2 Americas Forecast by Country

12.3 APAC Forecast by Region

12.4 Europe Forecast by Country

12.5 Middle East & Africa Forecast by Country

12.6 Global Automotive Lidar System Forecast by Type

12.7 Global Automotive Lidar System Forecast by Application

13 KEY PLAYERS ANALYSIS

13.1 Hesai Tech

13.1.1 Hesai Tech Company Information

13.1.2 Hesai Tech Automotive Lidar System Product Portfolios and Specifications

13.1.3 Hesai Tech Automotive Lidar System Sales, Revenue, Price and Gross Margin
(2019-2024)

13.1.4 Hesai Tech Main Business Overview

13.1.5 Hesai Tech Latest Developments

13.2 Valeo

13.2.1 Valeo Company Information

13.2.2 Valeo Automotive Lidar System Product Portfolios and Specifications

13.2.3 Valeo Automotive Lidar System Sales, Revenue, Price and Gross Margin
(2019-2024)

13.2.4 Valeo Main Business Overview

13.2.5 Valeo Latest Developments

13.3 RoboSense

13.3.1 RoboSense Company Information

13.3.2 RoboSense Automotive Lidar System Product Portfolios and Specifications

13.3.3 RoboSense Automotive Lidar System Sales, Revenue, Price and Gross Margin
(2019-2024)

13.3.4 RoboSense Main Business Overview

13.3.5 RoboSense Latest Developments

13.4 Luminar

13.4.1 Luminar Company Information

13.4.2 Luminar Automotive Lidar System Product Portfolios and Specifications

13.4.3 Luminar Automotive Lidar System Sales, Revenue, Price and Gross Margin
(2019-2024)

13.4.4 Luminar Main Business Overview

13.4.5 Luminar Latest Developments

13.5 Continental

13.5.1 Continental Company Information

13.5.2 Continental Automotive Lidar System Product Portfolios and Specifications

13.5.3 Continental Automotive Lidar System Sales, Revenue, Price and Gross Margin (2019-2024)

13.5.4 Continental Main Business Overview

13.5.5 Continental Latest Developments

13.6 Velodyne

13.6.1 Velodyne Company Information

13.6.2 Velodyne Automotive Lidar System Product Portfolios and Specifications

13.6.3 Velodyne Automotive Lidar System Sales, Revenue, Price and Gross Margin (2019-2024)

13.6.4 Velodyne Main Business Overview

13.6.5 Velodyne Latest Developments

13.7 Ouster

13.7.1 Ouster Company Information

13.7.2 Ouster Automotive Lidar System Product Portfolios and Specifications

13.7.3 Ouster Automotive Lidar System Sales, Revenue, Price and Gross Margin (2019-2024)

13.7.4 Ouster Main Business Overview

13.7.5 Ouster Latest Developments

13.8 Livox

13.8.1 Livox Company Information

13.8.2 Livox Automotive Lidar System Product Portfolios and Specifications

13.8.3 Livox Automotive Lidar System Sales, Revenue, Price and Gross Margin (2019-2024)

13.8.4 Livox Main Business Overview

13.8.5 Livox Latest Developments

13.9 Innoviz

13.9.1 Innoviz Company Information

13.9.2 Innoviz Automotive Lidar System Product Portfolios and Specifications

13.9.3 Innoviz Automotive Lidar System Sales, Revenue, Price and Gross Margin (2019-2024)

13.9.4 Innoviz Main Business Overview

13.9.5 Innoviz Latest Developments

13.10 Cepton

13.10.1 Cepton Company Information

13.10.2 Cepton Automotive Lidar System Product Portfolios and Specifications

13.10.3 Cepton Automotive Lidar System Sales, Revenue, Price and Gross Margin

(2019-2024)

13.10.4 Cepton Main Business Overview

13.10.5 Cepton Latest Developments

13.11 Aeva

13.11.1 Aeva Company Information

13.11.2 Aeva Automotive Lidar System Product Portfolios and Specifications

13.11.3 Aeva Automotive Lidar System Sales, Revenue, Price and Gross Margin

(2019-2024)

13.11.4 Aeva Main Business Overview

13.11.5 Aeva Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

List Of Figures

LIST OF FIGURES

I would like to order

Product name: Global Automotive Lidar System Market Growth 2024-2030

Product link: <https://marketpublishers.com/r/G3BC9B7B7801EN.html>

Price: US\$ 3,660.00 (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/G3BC9B7B7801EN.html>