

# **Global LiDAR in Automotive Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030**

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## **Abstracts**

According to our (Global Info Research) latest study, the global LiDAR in Automotive market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

Lidar is a product of the combination of laser technology and radar technology. It is composed of transmitters, antennas, receivers, tracking frames and information processing. It can measure target position (distance and angle), movement status (speed, vibration and attitude) And the shape has become one of the necessary devices for advanced assisted driving and intelligent driving. It is used in the automotive industry or other ground motor vehicles, rail transit, and radar in the surveying and mapping industry.

Automotive is a key driver of this industry. According to data from the World Automobile Organization (OICA), global automobile production and sales in 2017 reached their peak in the past 10 years, at 97.3 million and 95.89 million respectively. In 2018, the global economic expansion ended, and the global auto market declined as a whole. In 2022, there will wear units 81.6 million vehicles in the world. At present, more than 90% of the world's automobiles are concentrated in the three continents of Asia, Europe and North America, of which Asia automobile production accounts for 56% of the world, Europe accounts for 20%, and North America accounts for 16%. The world major automobile producing countries include China, the United States, Japan, South Korea, Germany, India, Mexico, and other countries; among them, China is the largest automobile producing country in the world, accounting for about 32%. Japan is the world's largest car exporter, exporting more than 3.5 million vehicles in 2022.

The Global Info Research report includes an overview of the development of the LiDAR in Automotive industry chain, the market status of Passenger Cars (905 nm, 1550 nm), Commercial Vehicles (905 nm, 1550 nm), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of LiDAR in Automotive.

Regionally, the report analyzes the LiDAR in Automotive markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global LiDAR in Automotive market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the LiDAR in Automotive market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the LiDAR in Automotive industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., 905 nm, 1550 nm).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the LiDAR in Automotive market.

**Regional Analysis:** The report involves examining the LiDAR in Automotive market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the LiDAR in Automotive market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to LiDAR in Automotive:

**Company Analysis:** Report covers individual LiDAR in Automotive manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards LiDAR in Automotive. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Passenger Cars, Commercial Vehicles).

**Technology Analysis:** Report covers specific technologies relevant to LiDAR in Automotive. It assesses the current state, advancements, and potential future developments in LiDAR in Automotive areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the LiDAR in Automotive market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

LiDAR in Automotive 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.

### Market segment by Type

905 nm

1550 nm

1064 nm

885 mn

Others

#### Market segment by Application

Passenger Cars

Commercial Vehicles

#### Major players covered

Trimbel

Hexagon AB

Sick AG

Topcon

Velodyne

Riegl

Valeo

Leosphere

Innovusion

Hesai

Ibeo

Ouster

LeddarTech

Robosense

Luminar

Beijing Wanji Technology

SureStar

Continental

LeiShen Intelligent System

Benewake

Quanergy

Cepton

Waymo

Huwei

Denso

Encradar

FaseLase

Innoviz

Aeva

Faro

BEA Sensor

Hokuyo

ASC

Livox

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe LiDAR in Automotive product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of LiDAR in Automotive, with price, sales, revenue and global market share of LiDAR in Automotive from 2019 to 2024.

Chapter 3, the LiDAR in Automotive competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the LiDAR in Automotive breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017

to 2023.and LiDAR in Automotive market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of LiDAR in Automotive.

Chapter 14 and 15, to describe LiDAR in Automotive sales channel, distributors, customers, research findings and conclusion.

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