

Solid-State LiDAR Industry Research Report 2024

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Abstracts

This report aims to provide a comprehensive presentation of the global market for Solid-State LiDAR, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding Solid-State LiDAR.

The Solid-State LiDAR market size, estimations, and forecasts are provided in terms of output/shipments (K Units) and revenue (\$ millions), considering 2023 as the base year, with history and forecast data for the period from 2019 to 2030. This report segments the global Solid-State LiDAR market comprehensively. Regional market sizes, concerning products by types, by application, and by players, are also provided. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

The report will help the Solid-State LiDAR manufacturers, new entrants, and industry chain related companies in this market with information on the revenues, production, and average price for the overall market and the sub-segments across the different segments, by company, product type, application, and regions.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions,

collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2019-2024. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

Velodyne

Quanergy

LeddarTech

ABAX Sensing

Ibeo

Trilumina

Innoviz

Strobe

Aeye

Luminar

Continental AG

Xenomatrix

Imec

Robosense

Genius Pro

Benewake

Hesai

Product Type Insights

Global markets are presented by Solid-State LiDAR type, along with growth forecasts through 2030. Estimates on production and value are based on the price in the supply chain at which the Solid-State LiDAR are procured by the manufacturers.

This report has studied every segment and provided the market size using historical data. They have also talked about the growth opportunities that the segment may pose in the future. This study bestows production and revenue data by type, and during the historical period (2019-2024) and forecast period (2025-2030).

Solid-State LiDAR segment by Type

MEMS Based Scanning

Phase Array

Non-Scanning Flash

Application Insights

This report has provided the market size (production and revenue data) by application, during the historical period (2019-2024) and forecast period (2025-2030).

This report also outlines the market trends of each segment and consumer behaviors impacting the Solid-State LiDAR market and what implications these may have on the industry's future. This report can help to understand the relevant market and consumer trends that are driving the Solid-State LiDAR market.

Solid-State LiDAR segment by Application

Automotive

Industrial

Security

Regional Outlook

This section of the report provides key insights regarding various regions and the key players operating in each region. Economic, social, environmental, technological, and political factors have been taken into consideration while assessing the growth of the particular region/country. The readers will also get their hands on the revenue and sales data of each region and country for the period 2019-2030.

The market has been segmented into various major geographies, including North America, Europe, Asia-Pacific, South America. Detailed analysis of major countries such as the USA, Germany, the U.K., Italy, France, China, Japan, South Korea, Southeast Asia, and India will be covered within the regional segment. For market estimates, data are going to be provided for 2023 because of the base year, with estimates for 2024 and forecast value for 2030.

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

COVID-19 and Russia-Ukraine War Influence Analysis

The readers in the section will understand how the Solid-State LiDAR market scenario changed across the globe during the pandemic, post-pandemic and Russia-Ukraine

War. The study is done keeping in view the changes in aspects such as demand, consumption, transportation, consumer behavior, supply chain management, export and import, and production. The industry experts have also highlighted the key factors that will help create opportunities for players and stabilize the overall industry in the years to come.

Reasons to Buy This Report

This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Solid-State LiDAR market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.

This report will help stakeholders to understand the global industry status and trends of Solid-State LiDAR and provides them with information on key market drivers, restraints, challenges, and opportunities.

This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.

This report stays updated with novel technology integration, features, and the latest developments in the market

This report helps stakeholders to understand the COVID-19 and Russia-Ukraine War Influence on the Solid-State LiDAR industry.

This report helps stakeholders to gain insights into which regions to target globally

This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Solid-State LiDAR.

This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Core Chapters

Chapter 1: Research objectives, research methods, data sources, data cross-validation;

Chapter 2: Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 3: Detailed analysis of Solid-State LiDAR manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 5: Production/output, value of Solid-State LiDAR by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6: Consumption of Solid-State LiDAR in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 7: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 8: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Introduces the market dynamics, latest developments of the market, the

driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 11: The main points and conclusions of the report.

Contents

1 PREFACE

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
 - 1.5.1 Secondary Sources
 - 1.5.2 Primary Sources

2 MARKET OVERVIEW

- 2.1 Product Definition
- 2.2 Solid-State LiDAR by Type
 - 2.2.1 Market Value Comparison by Type (2019 VS 2023 VS 2030) & (US\$ Million)
 - 1.2.2 MEMS Based Scanning
 - 1.2.3 Phase Array
 - 1.2.4 Non-Scanning Flash
- 2.3 Solid-State LiDAR by Application
 - 2.3.1 Market Value Comparison by Application (2019 VS 2023 VS 2030) & (US\$ Million)
 - 2.3.2 Automotive
 - 2.3.3 Industrial
 - 2.3.4 Security
- 2.4 Global Market Growth Prospects
 - 2.4.1 Global Solid-State LiDAR Production Value Estimates and Forecasts (2019-2030)
 - 2.4.2 Global Solid-State LiDAR Production Capacity Estimates and Forecasts (2019-2030)
 - 2.4.3 Global Solid-State LiDAR Production Estimates and Forecasts (2019-2030)
 - 2.4.4 Global Solid-State LiDAR Market Average Price (2019-2030)

3 MARKET COMPETITIVE LANDSCAPE BY MANUFACTURERS

- 3.1 Global Solid-State LiDAR Production by Manufacturers (2019-2024)
- 3.2 Global Solid-State LiDAR Production Value by Manufacturers (2019-2024)
- 3.3 Global Solid-State LiDAR Average Price by Manufacturers (2019-2024)

- 3.4 Global Solid-State LiDAR Industry Manufacturers Ranking, 2022 VS 2023 VS 2024
- 3.5 Global Solid-State LiDAR Key Manufacturers, Manufacturing Sites & Headquarters
- 3.6 Global Solid-State LiDAR Manufacturers, Product Type & Application
- 3.7 Global Solid-State LiDAR Manufacturers, Date of Enter into This Industry
- 3.8 Global Solid-State LiDAR Market CR5 and HHI
- 3.9 Global Manufacturers Mergers & Acquisition

4 MANUFACTURERS PROFILED

4.1 Velodyne

- 4.1.1 Velodyne Solid-State LiDAR Company Information
- 4.1.2 Velodyne Solid-State LiDAR Business Overview
- 4.1.3 Velodyne Solid-State LiDAR Production, Value and Gross Margin (2019-2024)
- 4.1.4 Velodyne Product Portfolio
- 4.1.5 Velodyne Recent Developments

4.2 Quanergy

- 4.2.1 Quanergy Solid-State LiDAR Company Information
- 4.2.2 Quanergy Solid-State LiDAR Business Overview
- 4.2.3 Quanergy Solid-State LiDAR Production, Value and Gross Margin (2019-2024)
- 4.2.4 Quanergy Product Portfolio
- 4.2.5 Quanergy Recent Developments

4.3 LeddarTech

- 4.3.1 LeddarTech Solid-State LiDAR Company Information
- 4.3.2 LeddarTech Solid-State LiDAR Business Overview
- 4.3.3 LeddarTech Solid-State LiDAR Production, Value and Gross Margin (2019-2024)
- 4.3.4 LeddarTech Product Portfolio
- 4.3.5 LeddarTech Recent Developments

4.4 ABAX Sensing

- 4.4.1 ABAX Sensing Solid-State LiDAR Company Information
- 4.4.2 ABAX Sensing Solid-State LiDAR Business Overview
- 4.4.3 ABAX Sensing Solid-State LiDAR Production, Value and Gross Margin (2019-2024)
- 4.4.4 ABAX Sensing Product Portfolio
- 4.4.5 ABAX Sensing Recent Developments

4.5 Ibeo

- 4.5.1 Ibeo Solid-State LiDAR Company Information
- 4.5.2 Ibeo Solid-State LiDAR Business Overview
- 4.5.3 Ibeo Solid-State LiDAR Production, Value and Gross Margin (2019-2024)
- 4.5.4 Ibeo Product Portfolio

- 4.5.5 Ibeo Recent Developments
- 4.6 Trilumina
 - 4.6.1 Trilumina Solid-State LiDAR Company Information
 - 4.6.2 Trilumina Solid-State LiDAR Business Overview
 - 4.6.3 Trilumina Solid-State LiDAR Production, Value and Gross Margin (2019-2024)
 - 4.6.4 Trilumina Product Portfolio
 - 4.6.5 Trilumina Recent Developments
- 4.7 Innoviz
 - 4.7.1 Innoviz Solid-State LiDAR Company Information
 - 4.7.2 Innoviz Solid-State LiDAR Business Overview
 - 4.7.3 Innoviz Solid-State LiDAR Production, Value and Gross Margin (2019-2024)
 - 4.7.4 Innoviz Product Portfolio
 - 4.7.5 Innoviz Recent Developments
- 4.8 Strobe
 - 4.8.1 Strobe Solid-State LiDAR Company Information
 - 4.8.2 Strobe Solid-State LiDAR Business Overview
 - 4.8.3 Strobe Solid-State LiDAR Production, Value and Gross Margin (2019-2024)
 - 4.8.4 Strobe Product Portfolio
 - 4.8.5 Strobe Recent Developments
- 4.9 Aeye
 - 4.9.1 Aeye Solid-State LiDAR Company Information
 - 4.9.2 Aeye Solid-State LiDAR Business Overview
 - 4.9.3 Aeye Solid-State LiDAR Production, Value and Gross Margin (2019-2024)
 - 4.9.4 Aeye Product Portfolio
 - 4.9.5 Aeye Recent Developments
- 4.10 Luminar
 - 4.10.1 Luminar Solid-State LiDAR Company Information
 - 4.10.2 Luminar Solid-State LiDAR Business Overview
 - 4.10.3 Luminar Solid-State LiDAR Production, Value and Gross Margin (2019-2024)
 - 4.10.4 Luminar Product Portfolio
 - 4.10.5 Luminar Recent Developments
- 7.11 Continental AG
 - 7.11.1 Continental AG Solid-State LiDAR Company Information
 - 7.11.2 Continental AG Solid-State LiDAR Business Overview
 - 4.11.3 Continental AG Solid-State LiDAR Production, Value and Gross Margin (2019-2024)
 - 7.11.4 Continental AG Product Portfolio
 - 7.11.5 Continental AG Recent Developments
- 7.12 Xenomatix

- 7.12.1 Xenomatix Solid-State LiDAR Company Information
- 7.12.2 Xenomatix Solid-State LiDAR Business Overview
- 7.12.3 Xenomatix Solid-State LiDAR Production, Value and Gross Margin (2019-2024)
- 7.12.4 Xenomatix Product Portfolio
- 7.12.5 Xenomatix Recent Developments
- 7.13 Imec
 - 7.13.1 Imec Solid-State LiDAR Company Information
 - 7.13.2 Imec Solid-State LiDAR Business Overview
 - 7.13.3 Imec Solid-State LiDAR Production, Value and Gross Margin (2019-2024)
 - 7.13.4 Imec Product Portfolio
 - 7.13.5 Imec Recent Developments
- 7.14 Robosense
 - 7.14.1 Robosense Solid-State LiDAR Company Information
 - 7.14.2 Robosense Solid-State LiDAR Business Overview
 - 7.14.3 Robosense Solid-State LiDAR Production, Value and Gross Margin (2019-2024)
 - 7.14.4 Robosense Product Portfolio
 - 7.14.5 Robosense Recent Developments
- 7.15 Genius Pro
 - 7.15.1 Genius Pro Solid-State LiDAR Company Information
 - 7.15.2 Genius Pro Solid-State LiDAR Business Overview
 - 7.15.3 Genius Pro Solid-State LiDAR Production, Value and Gross Margin (2019-2024)
 - 7.15.4 Genius Pro Product Portfolio
 - 7.15.5 Genius Pro Recent Developments
- 7.16 Benewake
 - 7.16.1 Benewake Solid-State LiDAR Company Information
 - 7.16.2 Benewake Solid-State LiDAR Business Overview
 - 7.16.3 Benewake Solid-State LiDAR Production, Value and Gross Margin (2019-2024)
 - 7.16.4 Benewake Product Portfolio
 - 7.16.5 Benewake Recent Developments
- 7.17 Hesai
 - 7.17.1 Hesai Solid-State LiDAR Company Information
 - 7.17.2 Hesai Solid-State LiDAR Business Overview
 - 7.17.3 Hesai Solid-State LiDAR Production, Value and Gross Margin (2019-2024)
 - 7.17.4 Hesai Product Portfolio
 - 7.17.5 Hesai Recent Developments

5 GLOBAL SOLID-STATE LIDAR PRODUCTION BY REGION

- 5.1 Global Solid-State LiDAR Production Estimates and Forecasts by Region: 2019 VS 2023 VS 2030
- 5.2 Global Solid-State LiDAR Production by Region: 2019-2030
 - 5.2.1 Global Solid-State LiDAR Production by Region: 2019-2024
 - 5.2.2 Global Solid-State LiDAR Production Forecast by Region (2025-2030)
- 5.3 Global Solid-State LiDAR Production Value Estimates and Forecasts by Region: 2019 VS 2023 VS 2030
- 5.4 Global Solid-State LiDAR Production Value by Region: 2019-2030
 - 5.4.1 Global Solid-State LiDAR Production Value by Region: 2019-2024
 - 5.4.2 Global Solid-State LiDAR Production Value Forecast by Region (2025-2030)
- 5.5 Global Solid-State LiDAR Market Price Analysis by Region (2019-2024)
- 5.6 Global Solid-State LiDAR Production and Value, YOY Growth
 - 5.6.1 North America Solid-State LiDAR Production Value Estimates and Forecasts (2019-2030)
 - 5.6.2 Europe Solid-State LiDAR Production Value Estimates and Forecasts (2019-2030)
 - 5.6.3 China Solid-State LiDAR Production Value Estimates and Forecasts (2019-2030)
 - 5.6.4 Israel Solid-State LiDAR Production Value Estimates and Forecasts (2019-2030)

6 GLOBAL SOLID-STATE LIDAR CONSUMPTION BY REGION

- 6.1 Global Solid-State LiDAR Consumption Estimates and Forecasts by Region: 2019 VS 2023 VS 2030
- 6.2 Global Solid-State LiDAR Consumption by Region (2019-2030)
 - 6.2.1 Global Solid-State LiDAR Consumption by Region: 2019-2030
 - 6.2.2 Global Solid-State LiDAR Forecasted Consumption by Region (2025-2030)
- 6.3 North America
 - 6.3.1 North America Solid-State LiDAR Consumption Growth Rate by Country: 2019 VS 2023 VS 2030
 - 6.3.2 North America Solid-State LiDAR Consumption by Country (2019-2030)
 - 6.3.3 U.S.
 - 6.3.4 Canada
- 6.4 Europe
 - 6.4.1 Europe Solid-State LiDAR Consumption Growth Rate by Country: 2019 VS 2023 VS 2030
 - 6.4.2 Europe Solid-State LiDAR Consumption by Country (2019-2030)
 - 6.4.3 Germany
 - 6.4.4 France

6.4.5 U.K.

6.4.6 Italy

6.4.7 Russia

6.5 Asia Pacific

6.5.1 Asia Pacific Solid-State LiDAR Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.5.2 Asia Pacific Solid-State LiDAR Consumption by Country (2019-2030)

6.5.3 China

6.5.4 Japan

6.5.5 South Korea

6.5.6 China Taiwan

6.5.7 Southeast Asia

6.5.8 India

6.5.9 Australia

6.6 Latin America, Middle East & Africa

6.6.1 Latin America, Middle East & Africa Solid-State LiDAR Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.6.2 Latin America, Middle East & Africa Solid-State LiDAR Consumption by Country (2019-2030)

6.6.3 Mexico

6.6.4 Brazil

6.6.5 Turkey

6.6.5 GCC Countries

7 SEGMENT BY TYPE

7.1 Global Solid-State LiDAR Production by Type (2019-2030)

7.1.1 Global Solid-State LiDAR Production by Type (2019-2030) & (K Units)

7.1.2 Global Solid-State LiDAR Production Market Share by Type (2019-2030)

7.2 Global Solid-State LiDAR Production Value by Type (2019-2030)

7.2.1 Global Solid-State LiDAR Production Value by Type (2019-2030) & (US\$ Million)

7.2.2 Global Solid-State LiDAR Production Value Market Share by Type (2019-2030)

7.3 Global Solid-State LiDAR Price by Type (2019-2030)

8 SEGMENT BY APPLICATION

8.1 Global Solid-State LiDAR Production by Application (2019-2030)

8.1.1 Global Solid-State LiDAR Production by Application (2019-2030) & (K Units)

8.1.2 Global Solid-State LiDAR Production by Application (2019-2030) & (K Units)

8.2 Global Solid-State LiDAR Production Value by Application (2019-2030)

8.2.1 Global Solid-State LiDAR Production Value by Application (2019-2030) & (US\$ Million)

8.2.2 Global Solid-State LiDAR Production Value Market Share by Application (2019-2030)

8.3 Global Solid-State LiDAR Price by Application (2019-2030)

9 VALUE CHAIN AND SALES CHANNELS ANALYSIS OF THE MARKET

9.1 Solid-State LiDAR Value Chain Analysis

9.1.1 Solid-State LiDAR Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Solid-State LiDAR Production Mode & Process

9.2 Solid-State LiDAR Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 Solid-State LiDAR Distributors

9.2.3 Solid-State LiDAR Customers

10 GLOBAL SOLID-STATE LIDAR ANALYZING MARKET DYNAMICS

10.1 Solid-State LiDAR Industry Trends

10.2 Solid-State LiDAR Industry Drivers

10.3 Solid-State LiDAR Industry Opportunities and Challenges

10.4 Solid-State LiDAR Industry Restraints

11 REPORT CONCLUSION

12 DISCLAIMER

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