

Global 3D LiDAR for Autonomous Driving Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G756E208A1C7EN.html>

Date: July 2026

Pages: 134

Price: US\$ 4,480.00 (Single User License)

ID: G756E208A1C7EN

Abstracts

The global 3D LiDAR for Autonomous Driving market size is expected to reach \$ 898 million by 2032, rising at a market growth of 5.9% CAGR during the forecast period (2026-2032).

3D LiDAR for Autonomous Driving functions as a high-precision ranging system that utilizes laser pulses to construct a dense, spatially accurate three-dimensional point cloud of the environment. This technology enables the vehicle's perception stack to detect the exact geometry, position, and trajectory of obstacles with high fidelity, which is critical for reliable decision-making. Unlike camera-based systems, it provides robust depth perception independent of ambient lighting conditions, ensuring operational safety in darkness or adverse weather. Consequently, this sensor forms a foundational component for high-definition mapping and localization, providing the necessary spatial redundancy for complex navigation tasks. In 2025, global 3D LiDAR for Autonomous Driving production reached approximately 1.95 million units with an average global market price of around US\$300 per unit.

The future development of the 3D LiDAR for Autonomous Driving industry will focus deeply on cost structure optimization driven by chip-level integration and mass production, promoting sustainable growth in corporate revenue scale and improvements in profitability. According to the 'Intelligent Vehicle Innovation Development Strategy' issued by the Ministry of Industry and Information Technology and other departments, the state explicitly supports the tackling and industrialization of key components such as high-precision on-board sensors, providing a clear development direction for the industry. From a corporate financial perspective, leading manufacturers such as Hesai Technology and RoboSense noted in their official annual reports that they are accelerating the application of self-developed proprietary chips and highly integrated

transceiver modules, aiming to reduce bill of materials costs through vertical integration and thereby improve gross margin levels. Major industry trends indicate that mechanical spinning LiDAR is accelerating its transition toward solid-state or semi-solid architectures with greater stability and cost advantages, to meet the stringent automotive-grade reliability requirements of OEMs for mass-produced vehicles. Meanwhile, leading enterprises are actively expanding their global customer networks and deepening designated partnerships with vehicle manufacturers, striving to achieve long-term stable cash flow and market share expansion through the implementation of large-volume designated projects. The upstream and downstream sectors of the industry are deploying layouts around the localization of core optoelectronic components and the deep integration of algorithm processing capabilities to address the urgent demand for cost-effective perception solutions amidst the commercialization of autonomous driving.

This report studies the global 3D LiDAR for Autonomous Driving production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for 3D LiDAR for Autonomous Driving and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of 3D LiDAR for Autonomous Driving that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global 3D LiDAR for Autonomous Driving total production and demand, 2021-2032, (K Units)

Global 3D LiDAR for Autonomous Driving total production value, 2021-2032, (USD Million)

Global 3D LiDAR for Autonomous Driving production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global 3D LiDAR for Autonomous Driving consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: 3D LiDAR for Autonomous Driving domestic production, consumption, key domestic manufacturers and share

Global 3D LiDAR for Autonomous Driving production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global 3D LiDAR for Autonomous Driving production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global 3D LiDAR for Autonomous Driving production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global 3D LiDAR for Autonomous Driving market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Continental AG, Valeo, Ouster, Luminar Technologies, Aeva Technologies, Innoviz Technologies, Koito, MicroVision, Shanghai Hesai Technology, Shenzhen RoboSense, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World 3D LiDAR for Autonomous Driving market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global 3D LiDAR for Autonomous Driving Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global 3D LiDAR for Autonomous Driving Market, Segmentation by Type:

Direct Detection Lidar

Coherent Detection Lidar

Global 3D LiDAR for Autonomous Driving Market, Segmentation by Detection Range:

?50m

50?150m

150?300m

?300m

Global 3D LiDAR for Autonomous Driving Market, Segmentation by Channels:

Single-line LiDAR

Multi-channel LiDAR

Global 3D LiDAR for Autonomous Driving Market, Segmentation by Application:

Public Transportation

Smart Logistics

Others

Companies Profiled:

Continental AG

Valeo

Ouster

Luminar Technologies

Aeva Technologies

Innoviz Technologies

Koito

MicroVision

Shanghai Hesai Technology

Shenzhen RoboSense

Shenzhen LeiShen Intelligent

Innovusion

Beijing Tanway

VanJee Technology

Beijing LiangDao Automotive Technology

Key Questions Answered:

1. How big is the global 3D LiDAR for Autonomous Driving market?
2. What is the demand of the global 3D LiDAR for Autonomous Driving market?
3. What is the year over year growth of the global 3D LiDAR for Autonomous Driving market?
4. What is the production and production value of the global 3D LiDAR for Autonomous Driving market?
5. Who are the key producers in the global 3D LiDAR for Autonomous Driving market?

6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 3D LiDAR for Autonomous Driving Introduction
- 1.2 World 3D LiDAR for Autonomous Driving Supply & Forecast
 - 1.2.1 World 3D LiDAR for Autonomous Driving Production Value (2021 & 2025 & 2032)
 - 1.2.2 World 3D LiDAR for Autonomous Driving Production (2021-2032)
 - 1.2.3 World 3D LiDAR for Autonomous Driving Pricing Trends (2021-2032)
- 1.3 World 3D LiDAR for Autonomous Driving Production by Region (Based on Production Site)
 - 1.3.1 World 3D LiDAR for Autonomous Driving Production Value by Region (2021-2032)
 - 1.3.2 World 3D LiDAR for Autonomous Driving Production by Region (2021-2032)
 - 1.3.3 World 3D LiDAR for Autonomous Driving Average Price by Region (2021-2032)
 - 1.3.4 North America 3D LiDAR for Autonomous Driving Production (2021-2032)
 - 1.3.5 Europe 3D LiDAR for Autonomous Driving Production (2021-2032)
 - 1.3.6 China 3D LiDAR for Autonomous Driving Production (2021-2032)
 - 1.3.7 Japan 3D LiDAR for Autonomous Driving Production (2021-2032)
 - 1.3.8 South Korea 3D LiDAR for Autonomous Driving Production (2021-2032)
 - 1.3.9 India 3D LiDAR for Autonomous Driving Production (2021-2032)
 - 1.3.10 Mexico 3D LiDAR for Autonomous Driving Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 3D LiDAR for Autonomous Driving Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 3D LiDAR for Autonomous Driving Major Market Trends

2 DEMAND SUMMARY

- 2.1 World 3D LiDAR for Autonomous Driving Demand (2021-2032)
- 2.2 World 3D LiDAR for Autonomous Driving Consumption by Region
 - 2.2.1 World 3D LiDAR for Autonomous Driving Consumption by Region (2021-2026)
 - 2.2.2 World 3D LiDAR for Autonomous Driving Consumption Forecast by Region (2027-2032)
- 2.3 United States 3D LiDAR for Autonomous Driving Consumption (2021-2032)
- 2.4 China 3D LiDAR for Autonomous Driving Consumption (2021-2032)
- 2.5 Europe 3D LiDAR for Autonomous Driving Consumption (2021-2032)
- 2.6 Japan 3D LiDAR for Autonomous Driving Consumption (2021-2032)

- 2.7 South Korea 3D LiDAR for Autonomous Driving Consumption (2021-2032)
- 2.8 ASEAN 3D LiDAR for Autonomous Driving Consumption (2021-2032)
- 2.9 India 3D LiDAR for Autonomous Driving Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World 3D LiDAR for Autonomous Driving Production Value by Manufacturer (2021-2026)
- 3.2 World 3D LiDAR for Autonomous Driving Production by Manufacturer (2021-2026)
- 3.3 World 3D LiDAR for Autonomous Driving Average Price by Manufacturer (2021-2026)
- 3.4 3D LiDAR for Autonomous Driving Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global 3D LiDAR for Autonomous Driving Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for 3D LiDAR for Autonomous Driving in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for 3D LiDAR for Autonomous Driving in 2025
- 3.6 3D LiDAR for Autonomous Driving Market: Overall Company Footprint Analysis
 - 3.6.1 3D LiDAR for Autonomous Driving Market: Region Footprint
 - 3.6.2 3D LiDAR for Autonomous Driving Market: Company Product Type Footprint
 - 3.6.3 3D LiDAR for Autonomous Driving Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: 3D LiDAR for Autonomous Driving Production Value Comparison
 - 4.1.1 United States VS China: 3D LiDAR for Autonomous Driving Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: 3D LiDAR for Autonomous Driving Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: 3D LiDAR for Autonomous Driving Production Comparison
 - 4.2.1 United States VS China: 3D LiDAR for Autonomous Driving Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: 3D LiDAR for Autonomous Driving Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: 3D LiDAR for Autonomous Driving Consumption Comparison

4.3.1 United States VS China: 3D LiDAR for Autonomous Driving Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: 3D LiDAR for Autonomous Driving Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based 3D LiDAR for Autonomous Driving Manufacturers and Market Share, 2021-2026

4.4.1 United States Based 3D LiDAR for Autonomous Driving Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers 3D LiDAR for Autonomous Driving Production Value (2021-2026)

4.4.3 United States Based Manufacturers 3D LiDAR for Autonomous Driving Production (2021-2026)

4.5 China Based 3D LiDAR for Autonomous Driving Manufacturers and Market Share

4.5.1 China Based 3D LiDAR for Autonomous Driving Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers 3D LiDAR for Autonomous Driving Production Value (2021-2026)

4.5.3 China Based Manufacturers 3D LiDAR for Autonomous Driving Production (2021-2026)

4.6 Rest of World Based 3D LiDAR for Autonomous Driving Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based 3D LiDAR for Autonomous Driving Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers 3D LiDAR for Autonomous Driving Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers 3D LiDAR for Autonomous Driving Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World 3D LiDAR for Autonomous Driving Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Direct Detection Lidar

5.2.2 Coherent Detection Lidar

5.3 Market Segment by Type

5.3.1 World 3D LiDAR for Autonomous Driving Production by Type (2021-2032)

5.3.2 World 3D LiDAR for Autonomous Driving Production Value by Type (2021-2032)

5.3.3 World 3D LiDAR for Autonomous Driving Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY DETECTION RANGE

6.1 World 3D LiDAR for Autonomous Driving Market Size Overview by Detection Range: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Detection Range

6.2.1 ?50m

6.2.2 50?150m

6.2.3 150?300m

6.2.4 ?300m

6.3 Market Segment by Detection Range

6.3.1 World 3D LiDAR for Autonomous Driving Production by Detection Range (2021-2032)

6.3.2 World 3D LiDAR for Autonomous Driving Production Value by Detection Range (2021-2032)

6.3.3 World 3D LiDAR for Autonomous Driving Average Price by Detection Range (2021-2032)

7 MARKET ANALYSIS BY CHANNELS

7.1 World 3D LiDAR for Autonomous Driving Market Size Overview by Channels: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Channels

7.2.1 Single-line LiDAR

7.2.2 Multi-channel LiDAR

7.3 Market Segment by Channels

7.3.1 World 3D LiDAR for Autonomous Driving Production by Channels (2021-2032)

7.3.2 World 3D LiDAR for Autonomous Driving Production Value by Channels (2021-2032)

7.3.3 World 3D LiDAR for Autonomous Driving Average Price by Channels (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World 3D LiDAR for Autonomous Driving Market Size Overview by Application:

2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Public Transportation

8.2.2 Smart Logistics

8.2.3 Others

8.3 Market Segment by Application

8.3.1 World 3D LiDAR for Autonomous Driving Production by Application (2021-2032)

8.3.2 World 3D LiDAR for Autonomous Driving Production Value by Application
(2021-2032)

8.3.3 World 3D LiDAR for Autonomous Driving Average Price by Application
(2021-2032)

9 COMPANY PROFILES

9.1 Continental AG

9.1.1 Continental AG Details

9.1.2 Continental AG Major Business

9.1.3 Continental AG 3D LiDAR for Autonomous Driving Product and Services

9.1.4 Continental AG 3D LiDAR for Autonomous Driving Production, Price, Value,
Gross Margin and Market Share (2021-2026)

9.1.5 Continental AG Recent Developments/Updates

9.1.6 Continental AG Competitive Strengths & Weaknesses

9.2 Valeo

9.2.1 Valeo Details

9.2.2 Valeo Major Business

9.2.3 Valeo 3D LiDAR for Autonomous Driving Product and Services

9.2.4 Valeo 3D LiDAR for Autonomous Driving Production, Price, Value, Gross Margin
and Market Share (2021-2026)

9.2.5 Valeo Recent Developments/Updates

9.2.6 Valeo Competitive Strengths & Weaknesses

9.3 Ouster

9.3.1 Ouster Details

9.3.2 Ouster Major Business

9.3.3 Ouster 3D LiDAR for Autonomous Driving Product and Services

9.3.4 Ouster 3D LiDAR for Autonomous Driving Production, Price, Value, Gross
Margin and Market Share (2021-2026)

9.3.5 Ouster Recent Developments/Updates

9.3.6 Ouster Competitive Strengths & Weaknesses

9.4 Luminar Technologies

- 9.4.1 Luminar Technologies Details
- 9.4.2 Luminar Technologies Major Business
- 9.4.3 Luminar Technologies 3D LiDAR for Autonomous Driving Product and Services
- 9.4.4 Luminar Technologies 3D LiDAR for Autonomous Driving Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.4.5 Luminar Technologies Recent Developments/Updates
- 9.4.6 Luminar Technologies Competitive Strengths & Weaknesses
- 9.5 Aeva Technologies
 - 9.5.1 Aeva Technologies Details
 - 9.5.2 Aeva Technologies Major Business
 - 9.5.3 Aeva Technologies 3D LiDAR for Autonomous Driving Product and Services
 - 9.5.4 Aeva Technologies 3D LiDAR for Autonomous Driving Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.5.5 Aeva Technologies Recent Developments/Updates
 - 9.5.6 Aeva Technologies Competitive Strengths & Weaknesses
- 9.6 Innoviz Technologies
 - 9.6.1 Innoviz Technologies Details
 - 9.6.2 Innoviz Technologies Major Business
 - 9.6.3 Innoviz Technologies 3D LiDAR for Autonomous Driving Product and Services
 - 9.6.4 Innoviz Technologies 3D LiDAR for Autonomous Driving Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.6.5 Innoviz Technologies Recent Developments/Updates
 - 9.6.6 Innoviz Technologies Competitive Strengths & Weaknesses
- 9.7 Koito
 - 9.7.1 Koito Details
 - 9.7.2 Koito Major Business
 - 9.7.3 Koito 3D LiDAR for Autonomous Driving Product and Services
 - 9.7.4 Koito 3D LiDAR for Autonomous Driving Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.7.5 Koito Recent Developments/Updates
 - 9.7.6 Koito Competitive Strengths & Weaknesses
- 9.8 MicroVision
 - 9.8.1 MicroVision Details
 - 9.8.2 MicroVision Major Business
 - 9.8.3 MicroVision 3D LiDAR for Autonomous Driving Product and Services
 - 9.8.4 MicroVision 3D LiDAR for Autonomous Driving Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.8.5 MicroVision Recent Developments/Updates
 - 9.8.6 MicroVision Competitive Strengths & Weaknesses

9.9 Shanghai Hesai Technology

9.9.1 Shanghai Hesai Technology Details

9.9.2 Shanghai Hesai Technology Major Business

9.9.3 Shanghai Hesai Technology 3D LiDAR for Autonomous Driving Product and Services

9.9.4 Shanghai Hesai Technology 3D LiDAR for Autonomous Driving Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.9.5 Shanghai Hesai Technology Recent Developments/Updates

9.9.6 Shanghai Hesai Technology Competitive Strengths & Weaknesses

9.10 Shenzhen RoboSense

9.10.1 Shenzhen RoboSense Details

9.10.2 Shenzhen RoboSense Major Business

9.10.3 Shenzhen RoboSense 3D LiDAR for Autonomous Driving Product and Services

9.10.4 Shenzhen RoboSense 3D LiDAR for Autonomous Driving Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.10.5 Shenzhen RoboSense Recent Developments/Updates

9.10.6 Shenzhen RoboSense Competitive Strengths & Weaknesses

9.11 Shenzhen LeiShen Intelligent

9.11.1 Shenzhen LeiShen Intelligent Details

9.11.2 Shenzhen LeiShen Intelligent Major Business

9.11.3 Shenzhen LeiShen Intelligent 3D LiDAR for Autonomous Driving Product and Services

9.11.4 Shenzhen LeiShen Intelligent 3D LiDAR for Autonomous Driving Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.11.5 Shenzhen LeiShen Intelligent Recent Developments/Updates

9.11.6 Shenzhen LeiShen Intelligent Competitive Strengths & Weaknesses

9.12 Innovusion

9.12.1 Innovusion Details

9.12.2 Innovusion Major Business

9.12.3 Innovusion 3D LiDAR for Autonomous Driving Product and Services

9.12.4 Innovusion 3D LiDAR for Autonomous Driving Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.12.5 Innovusion Recent Developments/Updates

9.12.6 Innovusion Competitive Strengths & Weaknesses

9.13 Beijing Tanway

9.13.1 Beijing Tanway Details

9.13.2 Beijing Tanway Major Business

9.13.3 Beijing Tanway 3D LiDAR for Autonomous Driving Product and Services

9.13.4 Beijing Tanway 3D LiDAR for Autonomous Driving Production, Price, Value,

Gross Margin and Market Share (2021-2026)

9.13.5 Beijing Tanway Recent Developments/Updates

9.13.6 Beijing Tanway Competitive Strengths & Weaknesses

9.14 VanJee Technology

9.14.1 VanJee Technology Details

9.14.2 VanJee Technology Major Business

9.14.3 VanJee Technology 3D LiDAR for Autonomous Driving Product and Services

9.14.4 VanJee Technology 3D LiDAR for Autonomous Driving Production, Price,

Value, Gross Margin and Market Share (2021-2026)

9.14.5 VanJee Technology Recent Developments/Updates

9.14.6 VanJee Technology Competitive Strengths & Weaknesses

9.15 Beijing LiangDao Automotive Technology

9.15.1 Beijing LiangDao Automotive Technology Details

9.15.2 Beijing LiangDao Automotive Technology Major Business

9.15.3 Beijing LiangDao Automotive Technology 3D LiDAR for Autonomous Driving Product and Services

9.15.4 Beijing LiangDao Automotive Technology 3D LiDAR for Autonomous Driving Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.15.5 Beijing LiangDao Automotive Technology Recent Developments/Updates

9.15.6 Beijing LiangDao Automotive Technology Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 3D LiDAR for Autonomous Driving Industry Chain

10.2 3D LiDAR for Autonomous Driving Upstream Analysis

10.2.1 3D LiDAR for Autonomous Driving Core Raw Materials

10.2.2 Main Manufacturers of 3D LiDAR for Autonomous Driving Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 3D LiDAR for Autonomous Driving Production Mode

10.6 3D LiDAR for Autonomous Driving Procurement Model

10.7 3D LiDAR for Autonomous Driving Industry Sales Model and Sales Channels

10.7.1 3D LiDAR for Autonomous Driving Sales Model

10.7.2 3D LiDAR for Autonomous Driving Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World 3D LiDAR for Autonomous Driving Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World 3D LiDAR for Autonomous Driving Production Value by Region (2021-2026) & (USD Million)

Table 3. World 3D LiDAR for Autonomous Driving Production Value by Region (2027-2032) & (USD Million)

Table 4. World 3D LiDAR for Autonomous Driving Production Value Market Share by Region (2021-2026)

Table 5. World 3D LiDAR for Autonomous Driving Production Value Market Share by Region (2027-2032)

Table 6. World 3D LiDAR for Autonomous Driving Production by Region (2021-2026) & (K Units)

Table 7. World 3D LiDAR for Autonomous Driving Production by Region (2027-2032) & (K Units)

Table 8. World 3D LiDAR for Autonomous Driving Production Market Share by Region (2021-2026)

Table 9. World 3D LiDAR for Autonomous Driving Production Market Share by Region (2027-2032)

Table 10. World 3D LiDAR for Autonomous Driving Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World 3D LiDAR for Autonomous Driving Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. 3D LiDAR for Autonomous Driving Major Market Trends

Table 13. World 3D LiDAR for Autonomous Driving Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)

Table 14. World 3D LiDAR for Autonomous Driving Consumption by Region (2021-2026) & (K Units)

Table 15. World 3D LiDAR for Autonomous Driving Consumption Forecast by Region (2027-2032) & (K Units)

Table 16. World 3D LiDAR for Autonomous Driving Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key 3D LiDAR for Autonomous Driving Producers in 2025

Table 18. World 3D LiDAR for Autonomous Driving Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key 3D LiDAR for Autonomous Driving Producers in 2025

Table 20. World 3D LiDAR for Autonomous Driving Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global 3D LiDAR for Autonomous Driving Company Evaluation Quadrant

Table 22. World 3D LiDAR for Autonomous Driving Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and 3D LiDAR for Autonomous Driving Production Site of Key Manufacturer

Table 24. 3D LiDAR for Autonomous Driving Market: Company Product Type Footprint

Table 25. 3D LiDAR for Autonomous Driving Market: Company Product Application Footprint

Table 26. 3D LiDAR for Autonomous Driving Competitive Factors

Table 27. 3D LiDAR for Autonomous Driving New Entrant and Capacity Expansion Plans

Table 28. 3D LiDAR for Autonomous Driving Mergers & Acquisitions Activity

Table 29. United States VS China 3D LiDAR for Autonomous Driving Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China 3D LiDAR for Autonomous Driving Production Comparison, (2021 & 2025 & 2032) & (K Units)

Table 31. United States VS China 3D LiDAR for Autonomous Driving Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based 3D LiDAR for Autonomous Driving Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers 3D LiDAR for Autonomous Driving Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers 3D LiDAR for Autonomous Driving Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers 3D LiDAR for Autonomous Driving Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers 3D LiDAR for Autonomous Driving Production Market Share (2021-2026)

Table 37. China Based 3D LiDAR for Autonomous Driving Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers 3D LiDAR for Autonomous Driving Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers 3D LiDAR for Autonomous Driving Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers 3D LiDAR for Autonomous Driving Production,

(2021-2026) & (K Units)

Table 41. China Based Manufacturers 3D LiDAR for Autonomous Driving Production Market Share (2021-2026)

Table 42. Rest of World Based 3D LiDAR for Autonomous Driving Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers 3D LiDAR for Autonomous Driving Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers 3D LiDAR for Autonomous Driving Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers 3D LiDAR for Autonomous Driving Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers 3D LiDAR for Autonomous Driving Production Market Share (2021-2026)

Table 47. World 3D LiDAR for Autonomous Driving Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World 3D LiDAR for Autonomous Driving Production by Type (2021-2026) & (K Units)

Table 49. World 3D LiDAR for Autonomous Driving Production by Type (2027-2032) & (K Units)

Table 50. World 3D LiDAR for Autonomous Driving Production Value by Type (2021-2026) & (USD Million)

Table 51. World 3D LiDAR for Autonomous Driving Production Value by Type (2027-2032) & (USD Million)

Table 52. World 3D LiDAR for Autonomous Driving Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World 3D LiDAR for Autonomous Driving Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World 3D LiDAR for Autonomous Driving Production Value by Detection Range, (USD Million), 2021 & 2025 & 2032

Table 55. World 3D LiDAR for Autonomous Driving Production by Detection Range (2021-2026) & (K Units)

Table 56. World 3D LiDAR for Autonomous Driving Production by Detection Range (2027-2032) & (K Units)

Table 57. World 3D LiDAR for Autonomous Driving Production Value by Detection Range (2021-2026) & (USD Million)

Table 58. World 3D LiDAR for Autonomous Driving Production Value by Detection Range (2027-2032) & (USD Million)

Table 59. World 3D LiDAR for Autonomous Driving Average Price by Detection Range (2021-2026) & (US\$/Unit)

Table 60. World 3D LiDAR for Autonomous Driving Average Price by Detection Range (2027-2032) & (US\$/Unit)

Table 61. World 3D LiDAR for Autonomous Driving Production Value by Channels, (USD Million), 2021 & 2025 & 2032

Table 62. World 3D LiDAR for Autonomous Driving Production by Channels (2021-2026) & (K Units)

Table 63. World 3D LiDAR for Autonomous Driving Production by Channels (2027-2032) & (K Units)

Table 64. World 3D LiDAR for Autonomous Driving Production Value by Channels (2021-2026) & (USD Million)

Table 65. World 3D LiDAR for Autonomous Driving Production Value by Channels (2027-2032) & (USD Million)

Table 66. World 3D LiDAR for Autonomous Driving Average Price by Channels (2021-2026) & (US\$/Unit)

Table 67. World 3D LiDAR for Autonomous Driving Average Price by Channels (2027-2032) & (US\$/Unit)

Table 68. World 3D LiDAR for Autonomous Driving Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World 3D LiDAR for Autonomous Driving Production by Application (2021-2026) & (K Units)

Table 70. World 3D LiDAR for Autonomous Driving Production by Application (2027-2032) & (K Units)

Table 71. World 3D LiDAR for Autonomous Driving Production Value by Application (2021-2026) & (USD Million)

Table 72. World 3D LiDAR for Autonomous Driving Production Value by Application (2027-2032) & (USD Million)

Table 73. World 3D LiDAR for Autonomous Driving Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World 3D LiDAR for Autonomous Driving Average Price by Application (2027-2032) & (US\$/Unit)

Table 75. Continental AG Basic Information, Manufacturing Base and Competitors

Table 76. Continental AG Major Business

Table 77. Continental AG 3D LiDAR for Autonomous Driving Product and Services

Table 78. Continental AG 3D LiDAR for Autonomous Driving Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Continental AG Recent Developments/Updates

Table 80. Continental AG Competitive Strengths & Weaknesses

Table 81. Valeo Basic Information, Manufacturing Base and Competitors

Table 82. Valeo Major Business

Table 83. Valeo 3D LiDAR for Autonomous Driving Product and Services

Table 84. Valeo 3D LiDAR for Autonomous Driving Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Valeo Recent Developments/Updates

Table 86. Valeo Competitive Strengths & Weaknesses

Table 87. Ouster Basic Information, Manufacturing Base and Competitors

Table 88. Ouster Major Business

Table 89. Ouster 3D LiDAR for Autonomous Driving Product and Services

Table 90. Ouster 3D LiDAR for Autonomous Driving Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Ouster Recent Developments/Updates

Table 92. Ouster Competitive Strengths & Weaknesses

Table 93. Luminar Technologies Basic Information, Manufacturing Base and Competitors

Table 94. Luminar Technologies Major Business

Table 95. Luminar Technologies 3D LiDAR for Autonomous Driving Product and Services

Table 96. Luminar Technologies 3D LiDAR for Autonomous Driving Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Luminar Technologies Recent Developments/Updates

Table 98. Luminar Technologies Competitive Strengths & Weaknesses

Table 99. Aeva Technologies Basic Information, Manufacturing Base and Competitors

Table 100. Aeva Technologies Major Business

Table 101. Aeva Technologies 3D LiDAR for Autonomous Driving Product and Services

Table 102. Aeva Technologies 3D LiDAR for Autonomous Driving Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. Aeva Technologies Recent Developments/Updates

Table 104. Aeva Technologies Competitive Strengths & Weaknesses

Table 105. Innoviz Technologies Basic Information, Manufacturing Base and Competitors

Table 106. Innoviz Technologies Major Business

Table 107. Innoviz Technologies 3D LiDAR for Autonomous Driving Product and Services

Table 108. Innoviz Technologies 3D LiDAR for Autonomous Driving Production (K

Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Innoviz Technologies Recent Developments/Updates

Table 110. Innoviz Technologies Competitive Strengths & Weaknesses

Table 111. Koito Basic Information, Manufacturing Base and Competitors

Table 112. Koito Major Business

Table 113. Koito 3D LiDAR for Autonomous Driving Product and Services

Table 114. Koito 3D LiDAR for Autonomous Driving Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Koito Recent Developments/Updates

Table 116. Koito Competitive Strengths & Weaknesses

Table 117. MicroVision Basic Information, Manufacturing Base and Competitors

Table 118. MicroVision Major Business

Table 119. MicroVision 3D LiDAR for Autonomous Driving Product and Services

Table 120. MicroVision 3D LiDAR for Autonomous Driving Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. MicroVision Recent Developments/Updates

Table 122. MicroVision Competitive Strengths & Weaknesses

Table 123. Shanghai Hesai Technology Basic Information, Manufacturing Base and Competitors

Table 124. Shanghai Hesai Technology Major Business

Table 125. Shanghai Hesai Technology 3D LiDAR for Autonomous Driving Product and Services

Table 126. Shanghai Hesai Technology 3D LiDAR for Autonomous Driving Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Shanghai Hesai Technology Recent Developments/Updates

Table 128. Shanghai Hesai Technology Competitive Strengths & Weaknesses

Table 129. Shenzhen RoboSense Basic Information, Manufacturing Base and Competitors

Table 130. Shenzhen RoboSense Major Business

Table 131. Shenzhen RoboSense 3D LiDAR for Autonomous Driving Product and Services

Table 132. Shenzhen RoboSense 3D LiDAR for Autonomous Driving Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Shenzhen RoboSense Recent Developments/Updates

Table 134. Shenzhen RoboSense Competitive Strengths & Weaknesses
Table 135. Shenzhen LeiShen Intelligent Basic Information, Manufacturing Base and Competitors
Table 136. Shenzhen LeiShen Intelligent Major Business
Table 137. Shenzhen LeiShen Intelligent 3D LiDAR for Autonomous Driving Product and Services
Table 138. Shenzhen LeiShen Intelligent 3D LiDAR for Autonomous Driving Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 139. Shenzhen LeiShen Intelligent Recent Developments/Updates
Table 140. Shenzhen LeiShen Intelligent Competitive Strengths & Weaknesses
Table 141. Innovusion Basic Information, Manufacturing Base and Competitors
Table 142. Innovusion Major Business
Table 143. Innovusion 3D LiDAR for Autonomous Driving Product and Services
Table 144. Innovusion 3D LiDAR for Autonomous Driving Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 145. Innovusion Recent Developments/Updates
Table 146. Innovusion Competitive Strengths & Weaknesses
Table 147. Beijing Tanway Basic Information, Manufacturing Base and Competitors
Table 148. Beijing Tanway Major Business
Table 149. Beijing Tanway 3D LiDAR for Autonomous Driving Product and Services
Table 150. Beijing Tanway 3D LiDAR for Autonomous Driving Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 151. Beijing Tanway Recent Developments/Updates
Table 152. Beijing Tanway Competitive Strengths & Weaknesses
Table 153. VanJee Technology Basic Information, Manufacturing Base and Competitors
Table 154. VanJee Technology Major Business
Table 155. VanJee Technology 3D LiDAR for Autonomous Driving Product and Services
Table 156. VanJee Technology 3D LiDAR for Autonomous Driving Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 157. VanJee Technology Recent Developments/Updates
Table 158. VanJee Technology Competitive Strengths & Weaknesses
Table 159. Beijing LiangDao Automotive Technology Basic Information, Manufacturing Base and Competitors
Table 160. Beijing LiangDao Automotive Technology Major Business

Table 161. Beijing LiangDao Automotive Technology 3D LiDAR for Autonomous Driving Product and Services

Table 162. Beijing LiangDao Automotive Technology 3D LiDAR for Autonomous Driving Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 163. Beijing LiangDao Automotive Technology Recent Developments/Updates

Table 164. Beijing LiangDao Automotive Technology Competitive Strengths & Weaknesses

Table 165. Global Key Players of 3D LiDAR for Autonomous Driving Upstream (Raw Materials)

Table 166. Global 3D LiDAR for Autonomous Driving Typical Customers

Table 167. 3D LiDAR for Autonomous Driving Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. 3D LiDAR for Autonomous Driving Picture

Figure 2. World 3D LiDAR for Autonomous Driving Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World 3D LiDAR for Autonomous Driving Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World 3D LiDAR for Autonomous Driving Production (2021-2032) & (K Units)

Figure 5. World 3D LiDAR for Autonomous Driving Average Price (2021-2032) & (US\$/Unit)

Figure 6. World 3D LiDAR for Autonomous Driving Production Value Market Share by Region (2021-2032)

Figure 7. World 3D LiDAR for Autonomous Driving Production Market Share by Region (2021-2032)

Figure 8. North America 3D LiDAR for Autonomous Driving Production (2021-2032) & (K Units)

Figure 9. Europe 3D LiDAR for Autonomous Driving Production (2021-2032) & (K Units)

Figure 10. China 3D LiDAR for Autonomous Driving Production (2021-2032) & (K Units)

Figure 11. Japan 3D LiDAR for Autonomous Driving Production (2021-2032) & (K Units)

Figure 12. South Korea 3D LiDAR for Autonomous Driving Production (2021-2032) & (K Units)

Figure 13. India 3D LiDAR for Autonomous Driving Production (2021-2032) & (K Units)

Figure 14. Mexico 3D LiDAR for Autonomous Driving Production (2021-2032) & (K Units)

Figure 15. 3D LiDAR for Autonomous Driving Market Drivers

Figure 16. Factors Affecting Demand

Figure 17. World 3D LiDAR for Autonomous Driving Consumption (2021-2032) & (K Units)

Figure 18. World 3D LiDAR for Autonomous Driving Consumption Market Share by Region (2021-2032)

Figure 19. United States 3D LiDAR for Autonomous Driving Consumption (2021-2032) & (K Units)

Figure 20. China 3D LiDAR for Autonomous Driving Consumption (2021-2032) & (K Units)

Figure 21. Europe 3D LiDAR for Autonomous Driving Consumption (2021-2032) & (K Units)

Figure 22. Japan 3D LiDAR for Autonomous Driving Consumption (2021-2032) & (K Units)

Units)

Figure 23. South Korea 3D LiDAR for Autonomous Driving Consumption (2021-2032) & (K Units)

Figure 24. ASEAN 3D LiDAR for Autonomous Driving Consumption (2021-2032) & (K Units)

Figure 25. India 3D LiDAR for Autonomous Driving Consumption (2021-2032) & (K Units)

Figure 26. Producer Shipments of 3D LiDAR for Autonomous Driving by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 27. Global Four-firm Concentration Ratios (CR4) for 3D LiDAR for Autonomous Driving Markets in 2025

Figure 28. Global Four-firm Concentration Ratios (CR8) for 3D LiDAR for Autonomous Driving Markets in 2025

Figure 29. United States VS China: 3D LiDAR for Autonomous Driving Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: 3D LiDAR for Autonomous Driving Production Market Share Comparison (2021 & 2025 & 2032)

Figure 31. United States VS China: 3D LiDAR for Autonomous Driving Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 32. United States Based Manufacturers 3D LiDAR for Autonomous Driving Production Market Share 2025

Figure 33. China Based Manufacturers 3D LiDAR for Autonomous Driving Production Market Share 2025

Figure 34. Rest of World Based Manufacturers 3D LiDAR for Autonomous Driving Production Market Share 2025

Figure 35. World 3D LiDAR for Autonomous Driving Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 36. World 3D LiDAR for Autonomous Driving Production Value Market Share by Type in 2025

Figure 37. Direct Detection Lidar

Figure 38. Coherent Detection Lidar

Figure 39. World 3D LiDAR for Autonomous Driving Production Market Share by Type (2021-2032)

Figure 40. World 3D LiDAR for Autonomous Driving Production Value Market Share by Type (2021-2032)

Figure 41. World 3D LiDAR for Autonomous Driving Average Price by Type (2021-2032) & (US\$/Unit)

Figure 42. World 3D LiDAR for Autonomous Driving Production Value by Detection Range, (USD Million), 2021 & 2025 & 2032

Figure 43. World 3D LiDAR for Autonomous Driving Production Value Market Share by Detection Range in 2025

Figure 44. <50m

Figure 45. 50-150m

Figure 46. 150-300m

Figure 47. >300m

Figure 48. World 3D LiDAR for Autonomous Driving Production Market Share by Detection Range (2021-2032)

Figure 49. World 3D LiDAR for Autonomous Driving Production Value Market Share by Detection Range (2021-2032)

Figure 50. World 3D LiDAR for Autonomous Driving Average Price by Detection Range (2021-2032) & (US\$/Unit)

Figure 51. World 3D LiDAR for Autonomous Driving Production Value by Channels, (USD Million), 2021 & 2025 & 2032

Figure 52. World 3D LiDAR for Autonomous Driving Production Value Market Share by Channels in 2025

Figure 53. Single-line LiDAR

Figure 54. Multi-channel LiDAR

Figure 55. World 3D LiDAR for Autonomous Driving Production Market Share by Channels (2021-2032)

Figure 56. World 3D LiDAR for Autonomous Driving Production Value Market Share by Channels (2021-2032)

Figure 57. World 3D LiDAR for Autonomous Driving Average Price by Channels (2021-2032) & (US\$/Unit)

Figure 58. World 3D LiDAR for Autonomous Driving Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 59. World 3D LiDAR for Autonomous Driving Production Value Market Share by Application in 2025

Figure 60. Public Transportation

Figure 61. Smart Logistics

Figure 62. Others

Figure 63. World 3D LiDAR for Autonomous Driving Production Market Share by Application (2021-2032)

Figure 64. World 3D LiDAR for Autonomous Driving Production Value Market Share by Application (2021-2032)

Figure 65. World 3D LiDAR for Autonomous Driving Average Price by Application (2021-2032) & (US\$/Unit)

Figure 66. 3D LiDAR for Autonomous Driving Industry Chain

Figure 67. 3D LiDAR for Autonomous Driving Procurement Model

Figure 68. 3D LiDAR for Autonomous Driving Sales Model

Figure 69. 3D LiDAR for Autonomous Driving Sales Channels, Direct Sales, and Distribution

Figure 70. Methodology

Figure 71. Research Process and Data Source

I would like to order

Product name: Global 3D LiDAR for Autonomous Driving Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G756E208A1C7EN.html>

Price: US\$ 4,480.00 (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/G756E208A1C7EN.html>