

# Global Automotive Grade Solid-State LiDAR Market Growth 2024-2030

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## Abstracts

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Automotive-grade solid-state LiDAR (LiDAR) is a high-performance LiDAR automotive sensor for applications designed and manufactured to meet the rigorous standards and requirements of the automotive industry. Compared with traditional mechanical lidar, solid-state LiDAR uses solid-state components instead of mechanical components to transmit and receive laser beams. The advantages of this technology include higher reliability, longer service life, faster response times and smaller size. The application scope of automotive-grade SSDLiDAR covers areas such as autonomous driving, driving assistance systems, and intelligent traffic management. It is one of the key technologies for realizing smart cars and smart transportation.

The global Automotive Grade Solid-State LiDAR market size is projected to grow from US\$ million in 2024 to US\$ million in 2030; it is expected to grow at a CAGR of % from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "Automotive Grade Solid-State LiDAR Industry Forecast" looks at past sales and reviews total world Automotive Grade Solid-State LiDAR sales in 2023, providing a comprehensive analysis by region and market sector of projected Automotive Grade Solid-State LiDAR sales for 2024 through 2030. With Automotive Grade Solid-State LiDAR sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Automotive Grade Solid-State LiDAR industry.

This Insight Report provides a comprehensive analysis of the global Automotive Grade Solid-State LiDAR landscape and highlights key trends related to product segmentation,

company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Automotive Grade Solid-State LiDAR portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Automotive Grade Solid-State LiDAR market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Automotive Grade Solid-State LiDAR and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Automotive Grade Solid-State LiDAR.

United States market for Automotive Grade Solid-State LiDAR is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for Automotive Grade Solid-State LiDAR is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for Automotive Grade Solid-State LiDAR is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key Automotive Grade Solid-State LiDAR players cover Ouster (Velodyne), Innoviz, LeddarTech, ABAX Sensing, Continental AG, etc. In terms of revenue, the global two largest companies occupied for a share nearly

% in 2023.

This report presents a comprehensive overview, market shares, and growth opportunities of Automotive Grade Solid-State LiDAR market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Hybrid Solid-state

All Solid-state

Segmentation by Application:

Passenger Car

Commercial Vehicle

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 analysing the company's coverage, product portfolio, its market penetration.

Ouster (Velodyne)

Innoviz

LeddarTech

ABAX Sensing

Continental AG

Quanergy

Robosense

Hesai

Leishen LiDAR

### Key Questions Addressed in this Report

What is the 10-year outlook for the global Automotive Grade Solid-State LiDAR market?

What factors are driving Automotive Grade Solid-State LiDAR market growth, globally and by region?

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

How do Automotive Grade Solid-State LiDAR market opportunities vary by end market size?

How does Automotive Grade Solid-State LiDAR break out by Type, by Application?

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