

Global 3D-LiDAR Market Growth 2025-2031

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Abstracts

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The global 3D-LiDAR market size is predicted to grow from US\$ 1216 million in 2025 to US\$ 19200 million in 2031; it is expected to grow at a CAGR of 58.4% from 2025 to 2031.

The 3D-LiDAR market is dominated by passenger cars, which accounted for more than 90% of the market share in 2019.

At present, the major manufacturers in the Chinese market include Velodyne, Hesai Tech, RoboSense LiDAR, Ouster, Innoviz, Ibeo Automotive Systems, Leishen, Continental, Quanergy Systems, LeddarTech, Luminar and Valeo.

LP Information, Inc. (LPI) ' newest research report, the "3D-LiDAR Industry Forecast" looks at past sales and reviews total world 3D-LiDAR sales in 2024, providing a comprehensive analysis by region and market sector of projected 3D-LiDAR sales for 2025 through 2031. With 3D-LiDAR sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world 3D-LiDAR industry.

This Insight Report provides a comprehensive analysis of the global 3D-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 3D-LiDAR portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global 3D-LiDAR market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for 3D-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 3D-LiDAR.

This report presents a comprehensive overview, market shares, and growth opportunities of 3D-LiDAR market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Short Range Lidar

Mid-range Lidar

Long Range Lidar

Segmentation by Application:

Passenger Vehicle

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.

Velodyne

Ouster

Innoviz

Ibeo Automotive Systems

Continental

Quanergy Systems

LeddarTech

Luminar

Valeo

Hesaitech

Robosense

Leishen Intelligent System

Key Questions Addressed in this Report

What is the 10-year outlook for the global 3D-LiDAR market?

What factors are driving 3D-LiDAR market growth, globally and by region?

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

How do 3D-LiDAR market opportunities vary by end market size?

How does 3D-LiDAR break out by Type, by Application?

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