

Global Automotive Grade LiDAR Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Automotive Grade LiDAR market size will reach Million USD in 2025 and is projected to reach Million USD by 2032, with a CAGR of % (2025-2032). Notably, the China Automotive Grade LiDAR market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

Automotive-grade LiDAR (Light Detection and Ranging) is an advanced sensing technology designed specifically for use in vehicles to enable precise object detection, distance measurement, and 3D mapping of the surrounding environment. It uses laser pulses to scan the area around the vehicle, generating high-resolution point cloud data that helps identify obstacles, pedestrians, and other vehicles with exceptional accuracy, even in low-light or adverse weather conditions. Automotive-grade LiDAR systems are built to meet the rigorous safety, durability, and performance standards required for automotive applications, making them essential for autonomous driving, advanced driver assistance systems (ADAS), and collision avoidance technologies. Their reliability and accuracy play a critical role in enhancing vehicle safety and enabling the future of self-driving cars.

The major global manufacturers of Automotive Grade LiDAR include RoboSense, Shenzhen LeiShen Intelligent System, ZVISION, Preciseley Microtechnology Corporation, Mitsubishi Electric, Zhisensor, MicroVision, Maradin, Jenoptik, etc. The

global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Automotive Grade LiDAR. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Automotive Grade LiDAR market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Automotive Grade LiDAR market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Automotive Grade LiDAR industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Automotive Grade LiDAR Include:

RoboSense

Shenzhen LeiShen Intelligent System

ZVISION

Preciseley Microtechnology Corporation

Mitsubishi Electric

Zhisensor

MicroVision

Maradin

Jenoptik

Automotive Grade LiDAR Product Segment Include:

OEM

Aftermarket

Automotive Grade LiDAR Product Application Include:

Passenger Vehicle

Commercial Vehicle

Chapter Scope

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