

Global Photodetector Chips for Automotive LiDAR Market Growth 2026-2032

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Abstracts

The global Photodetector Chips for Automotive LiDAR market size is predicted to grow from US\$ 26.36 million in 2025 to US\$ 69.09 million in 2032; it is expected to grow at a CAGR of 15.0% from 2026 to 2032.

Photodetector Chips for Automotive LiDAR are specialized semiconductor devices used in the LiDAR (Light Detection and Ranging) systems of autonomous vehicles and advanced driver assistance systems (ADAS). These chips are designed to detect and convert the laser light that is reflected from objects in the vehicle's environment, enabling precise distance measurement, 3D mapping, and object recognition.

United States market for Photodetector Chips for Automotive LiDAR is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Photodetector Chips for Automotive LiDAR is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Photodetector Chips for Automotive LiDAR is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Photodetector Chips for Automotive LiDAR players cover OptoGration (Luminar), Hamamatsu, PHOGRain, Onsemi, Sony, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Photodetector Chips for Automotive LiDAR Industry Forecast" looks at past sales and reviews total world Photodetector Chips for Automotive LiDAR sales in 2025, providing a comprehensive analysis by region and market sector of projected Photodetector Chips for Automotive LiDAR sales for 2026 through 2032. With Photodetector Chips for Automotive LiDAR sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Photodetector Chips for Automotive LiDAR industry.

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Photodetector Chips for Automotive 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 Photodetector Chips for Automotive LiDAR.

This report presents a comprehensive overview, market shares, and growth opportunities of Photodetector Chips for Automotive LiDAR market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

APD

SPAD

Others

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.

OptoGration (Luminar)

Hamamatsu

PHOGRAIN

Onsemi

Sony

First Sensor (TE Connectivity)

Fortsense

Key Questions Addressed in this Report

What is the 10-year outlook for the global Photodetector Chips for Automotive LiDAR market?

What factors are driving Photodetector Chips for Automotive LiDAR market growth, globally and by region?

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

How do Photodetector Chips for Automotive LiDAR market opportunities vary by end market size?

How does Photodetector Chips for Automotive LiDAR break out by Type, by Application?

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