

Global ToF Automotive LiDAR Market Growth 2026-2032

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Abstracts

The global ToF Automotive LiDAR market size is predicted to grow from US\$ 3009 million in 2025 to US\$ 9082 million in 2032; it is expected to grow at a CAGR of 17.4% from 2026 to 2032.

ToF Automotive LiDAR (Time-of-Flight Automotive Light Detection and Ranging) is a technology used in advanced driver assistance systems (ADAS) and autonomous vehicles to accurately detect and measure distances to objects in the environment. LiDAR uses laser light to create a 3D map of the surrounding environment, which is then used to inform the vehicle's decision-making process.

United States market for ToF 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 ToF 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 ToF 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 ToF Automotive LiDAR players cover Trimbel, Hexagon, SICK, Topcon Positioning, Velodyne, 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 "ToF Automotive LiDAR Industry Forecast" looks at past sales and reviews total world ToF Automotive LiDAR sales in 2025, providing a comprehensive analysis by region and market sector of projected ToF

Automotive LiDAR sales for 2026 through 2032. With ToF Automotive LiDAR sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world ToF Automotive LiDAR industry.

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

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

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

Segmentation by Type:

Direct Time of Flight (dToF)

Indirect Time of Flight (iToF)

Segmentation by Application:

Commercial Vehicle

Passenger Vehicle

Others

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.

Trimbel

Hexagon

SICK

Topcon Positioning

Velodyne

Riegl

Valeo

Leosphere

Innovusion

Hesai Technology

Ibeo

Ouster

LeddarTech

Robosense

Luminar

Wanji Technology

Surestar

Continental

Leishen Intelligent System

Benewake

Key Questions Addressed in this Report

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

What factors are driving ToF Automotive LiDAR market growth, globally and by region?

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

How do ToF Automotive LiDAR market opportunities vary by end market size?

How does ToF Automotive LiDAR break out by Type, by Application?

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