

Global TOF Lidar Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global TOF Lidar market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

Lidar is generally divided into pulse type and continuous wave type. Pulse lidar uses time interval to calculate relative vehicle distance; The continuous wave lidar obtains the target distance by calculating the phase difference between the reflected light and the reflected light. Specifically, the technical point of lidar is TOF (time of flight). After the radar emits the laser, it will turn back when encountering obstacles. The returned beam will be analyzed by the radar internal receiver, and finally processed in the processor through the turn back time and measurement signal, so as to generate an accurate 3D map and restore the surrounding environmental features.

This report is a detailed and comprehensive analysis for global TOF Lidar market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global TOF Lidar market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global TOF Lidar market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global TOF Lidar market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global TOF Lidar market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for TOF Lidar

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global TOF Lidar market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Velodyne, Ouster, Innoviz, Ibeo Automotive Systems, Continental, Quanergy Systems, LeddarTech, Luminar, Valeo, Hesai Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

TOF Lidar market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Short Range Lidar

Mid Range Lidar

Long Range Lidar

Market segment by Application

Passenger Vehicle

Commercial Vehicle

Major players covered

Velodyne

Ouster

Innoviz

Ibeo Automotive Systems

Continental

Quanergy Systems

LeddarTech

Luminar

Valeo

Hesai Technology

Suteng Innovation Technology

Leishen Intelligent System

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)
South America (Brazil, Argentina, Colombia, and Rest of South America)
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe TOF Lidar product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of TOF Lidar, with price, sales quantity, revenue, and global market share of TOF Lidar from 2020 to 2025.

Chapter 3, the TOF Lidar competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the TOF Lidar breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and TOF Lidar market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of TOF Lidar.

Chapter 14 and 15, to describe TOF Lidar sales channel, distributors, customers, research findings and conclusion.

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