

Global Light Detection and Ranging (LIDAR) Market Insights, Forecast to 2026

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Abstracts

Light Detection and Ranging (LIDAR), also written lidar, LiDAR or LADAR, is a remote sensing technology that measures distance by illuminating a target with a laser and analyzing the reflected light. LIDAR is popularly used as a technology to make high-resolution maps, with applications in civil engineering, forestry & agriculture, transportation, urban mapping, etc. What is known as LIDAR is sometimes simply referred to as laser scanning or 3D scanning, with terrestrial and airborne applications. As for the global Lidar industry, the industry structure is relative concentrated. The most of market share in production value is dominated by the top three giants Leica Geosystems, Trimble and Optech, which occupies closes to 65% totally in 2015. In the meantime, new entrants are emerging in this market, eroding the market share of traditional player as more applications are developed and diverse models are demanding in the market.

Key market drivers are the better performance than other technologies and ring demand for 3D mapping, as well as emerging supply market force for cheaper and better equipment to challenge current players.

Europe is holding the lion's share globally in technology and production, while North America is the largest consumption area. Other emerging countries, like China and India, are increasing Lidar in various applications.

Despite the presence of competition problems, due to the Lidar's special technology advantage in application, especially in unmanned automotive and 3D mapping, investors are very optimistic about this area; in future there will be more new investments into this industry.

Although sales of Lidar brought a lot of opportunities, the study group recommends the new entrants just having money but without technical advantage and downstream support do not to enter into the Lidar field.

Since the COVID-19 virus outbreak in December 2019, the disease has spread to

almost 100 countries around the globe with the World Health Organization declaring it a public health emergency. The global impacts of the coronavirus disease 2019 (COVID-19) are already starting to be felt, and will significantly affect the Light Detection and Ranging (LIDAR) 4900 market in 2020.

COVID-19 can affect the global economy in three main ways: by directly affecting production and demand, by creating supply chain and market disruption, and by its financial impact on firms and financial markets.

The outbreak of COVID-19 has brought effects on many aspects, like flight cancellations; travel bans and quarantines; restaurants closed; all indoor events restricted; over forty countries state of emergency declared; massive slowing of the supply chain; stock market volatility; falling business confidence, growing panic among the population, and uncertainty about future.

This report also analyses the impact of Coronavirus COVID-19 on the Light Detection and Ranging (LIDAR) 4900 industry.

Based on our recent survey, we have several different scenarios about the Light Detection and Ranging (LIDAR) 4900 YoY growth rate for 2020. The probable scenario is expected to grow by a xx% in 2020 and the revenue will be xx in 2020 from US\$ 313.1 million in 2019. The market size of Light Detection and Ranging (LIDAR) 4900 will reach xx in 2026, with a CAGR of xx% from 2020 to 2026.

With industry-standard accuracy in analysis and high data integrity, the report makes a brilliant attempt to unveil key opportunities available in the global Light Detection and Ranging (LIDAR) market to help players in achieving a strong market position. Buyers of the report can access verified and reliable market forecasts, including those for the overall size of the global Light Detection and Ranging (LIDAR) market in terms of both revenue and volume.

Players, stakeholders, and other participants in the global Light Detection and Ranging (LIDAR) market will be able to gain the upper hand as they use the report as a powerful resource. For this version of the report, the segmental analysis focuses on sales (volume), revenue and forecast by each application segment in terms of sales and revenue and forecast by each type segment in terms of revenue for the period 2015-2026.

Production and Pricing Analyses

Readers are provided with deeper production analysis, import and export analysis, and pricing analysis for the global Light Detection and Ranging (LIDAR) market. As part of production analysis, the report offers accurate statistics and figures for production capacity, production volume by region, and global production and production by each type segment for the period 2015-2026.

In the pricing analysis section of the report, readers are provided with validated statistics and figures for price by manufacturer and price by region for the period 2015-2020 and price by each type segment for the period 2015-2026. The import and export analysis for the global Light Detection and Ranging (LIDAR) market has been provided based on region.

Regional and Country-level Analysis

The report offers an exhaustive geographical analysis of the global Light Detection and Ranging (LIDAR) market, covering important regions, viz, North America, Europe, China and Japan. It also covers key countries (regions), viz, U.S., Canada, Germany, France, U.K., Italy, Russia, China, Japan, South Korea, India, Australia, Taiwan, Indonesia, Thailand, Malaysia, Philippines, Vietnam, Mexico, Brazil, Turkey, Saudi Arabia, UAE, etc.

The report includes country-wise and region-wise market size for the period 2015-2026. It also includes market size and forecast by each application segment in terms of volume for the period 2015-2026.

Competition Analysis

In the competitive analysis section of the report, leading as well as prominent players of the global Light Detection and Ranging (LIDAR) market are broadly studied on the basis of key factors. The report offers comprehensive analysis and accurate statistics on sales by the player for the period 2015-2020. It also offers detailed analysis supported by reliable statistics on price and revenue (global level) by player for the period 2015-2020.

On the whole, the report proves to be an effective tool that players can use to gain a competitive edge over their competitors and ensure lasting success in the global Light Detection and Ranging (LIDAR) market. All of the findings, data, and information provided in the report are validated and revalidated with the help of trustworthy sources. The analysts who have authored the report took a unique and industry-best research and analysis approach for an in-depth study of the global Light Detection and Ranging (LIDAR) market.

The following manufacturers are covered in this report:

Leica Geosystems

Trimble

Teledyne Optech

Riegl

Topcon

Velodyne LiDAR

3D Laser Mapping

IGI

Sure Star

Light Detection and Ranging (LIDAR) Breakdown Data by Type

Airborne LIDAR

Terrestrial LIDAR

Others

Light Detection and Ranging (LIDAR) Breakdown Data by Application

Civil Engineering

Forestry & Agriculture

Transportation

Urban Mapping

Others

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