

# Global Light Detection and Ranging (LIDAR) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G63E78395BDEN.html>

Date: January 2024

Pages: 98

Price: US\$ 3,480.00 (Single User License)

ID: G63E78395BDEN

## Abstracts

According to our (Global Info Research) latest study, the global Light Detection and Ranging (LIDAR) market size was valued at USD 402.3 million in 2023 and is forecast to a readjusted size of USD 796.1 million by 2030 with a CAGR of 10.2% during review period.

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.

Global Light Detection and Ranging (LIDAR) key players include Leica Geosystems, Trimble, Optech, Riegl, etc. Global top four manufacturers hold a share nearly 75%.

North America is the largest market, with a share about 30%, followed by Europe, and Japan, both have a share over 40 percent.

In terms of product, Airborne LIDAR is the largest segment, with a share about 55%. And in terms of application, the largest application is Civil Engineering, followed by Urban Mapping, Transportation, Forestry and Agriculture , etc.

The Global Info Research report includes an overview of the development of the Light Detection and Ranging (LIDAR) industry chain, the market status of Civil Engineering (Airborne LIDAR, Terrestrial LIDAR), Forestry and Agriculture (Airborne LIDAR,

Terrestrial LIDAR), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Light Detection and Ranging (LIDAR).

Regionally, the report analyzes the Light Detection and Ranging (LIDAR) markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Light Detection and Ranging (LIDAR) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Light Detection and Ranging (LIDAR) market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Light Detection and Ranging (LIDAR) industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Airborne LIDAR, Terrestrial LIDAR).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Light Detection and Ranging (LIDAR) market.

**Regional Analysis:** The report involves examining the Light Detection and Ranging (LIDAR) market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Light Detection and Ranging (LIDAR) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Light Detection and Ranging (LIDAR):

**Company Analysis:** Report covers individual Light Detection and Ranging (LIDAR) manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Light Detection and Ranging (LIDAR). This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Civil Engineering, Forestry and Agriculture).

**Technology Analysis:** Report covers specific technologies relevant to Light Detection and Ranging (LIDAR). It assesses the current state, advancements, and potential future developments in Light Detection and Ranging (LIDAR) areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Light Detection and Ranging (LIDAR) market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Light Detection and Ranging (LIDAR) market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Airborne LIDAR

Terrestrial LIDAR

Others

## Market segment by Application

- Civil Engineering
- Forestry and Agriculture
- Transportation
- Urban Mapping
- Others

## Major players covered

- Leica Geosystems
- Trimble
- Teledyne Optech
- Riegl
- Topcon
- Velodyne LiDAR
- 3D Laser Mapping
- IGI
- Sure Star

## 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 Light Detection and Ranging (LIDAR) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Light Detection and Ranging (LIDAR), with price, sales, revenue and global market share of Light Detection and Ranging (LIDAR) from 2019 to 2024.

Chapter 3, the Light Detection and Ranging (LIDAR) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Light Detection and Ranging (LIDAR) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Light Detection and Ranging (LIDAR) market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Light Detection and Ranging (LIDAR).

Chapter 14 and 15, to describe Light Detection and Ranging (LIDAR) sales channel, distributors, customers, research findings and conclusion.

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