

LiDAR Market by Dimension Type (2D, 3D, 4D), Technology (Macro-mechanical LiDAR, Flash LiDAR), Installation Type, Wavelength, Range, Service, Application, End-use Industry, and Geography - Global Forecast to 2029

<https://marketpublishers.com/r/L6173B84A4B3EN.html>

Date: October 2022

Pages: 227

Price: US\$ 4,175.00 (Single User License)

ID: L6173B84A4B3EN

Abstracts

LiDAR Market by Dimension Type (2D, 3D, 4D), Technology (Macro-mechanical LiDAR, Flash LiDAR), Installation Type, Wavelength, Range, Service, Application, End-use Industry, and Geography - Global Forecast to 2029

The research report titled 'LiDAR Market by Dimension Type (2D, 3D, 4D), Technology (Macro-mechanical LiDAR, Flash LiDAR), Installation Type, Wavelength, Range, Service, Application, End-use Industry, and Geography - Global Forecast to 2029', provides an in-depth analysis of the global LiDAR market across five major geographies and emphasizes on the current market size, market shares, recent developments, and forecast till 2029. The global LiDAR market is projected to reach \$20.03 billion by 2029 at a CAGR of 28.4% from 2022 to 2029.

The growth of the LiDAR market is driven by the rising adoption of LiDAR systems in unmanned aerial vehicles (UAVs), increasing adoption of LiDAR in engineering and construction applications, use of LiDAR for automated driving cars, the emergence of 4D LiDAR, and initiatives undertaken by government bodies of different countries to promote LiDAR Usage. Safety threats related to UAVs and autonomous cars and the easy availability of low-cost and lightweight photogrammetry systems may restrain the growth of this market. Furthermore, the increasing investments in LiDAR startups by OEMs, technological shifts with the adoption of solid-state, flash LiDAR, and other LiDAR technologies are expected to create significant growth opportunities for the players in this market.

However, the high cost of LiDAR services and scarcity of geospatial data pose a challenge to the growth of this market.

The LiDAR market is segmented by dimension type, technology, installation type, wavelength, range, service, application, end-use industry, and geography. The study also evaluates industry competitors and analyzes the market at regional and country levels.

Based on dimension type, the global LiDAR market is segmented into 2D, 3D, and 4D. The 4D segment is expected to register the highest CAGR during the forecast period. The rapid growth of this segment is attributed to the high adoption of 4D LiDAR in applications such as self-driving cars, robots, and other autonomous systems. Besides automobiles, 4D LiDAR has architecture, engineering, and construction (AEC), entertainment, and AR/VR applications.

Based on technology, the global LiDAR market is segmented into macro-mechanical LiDAR, flash LiDAR, MEMS LiDAR (micro-electromechanical systems), optical-phased array, and other technologies. The flash LiDAR segment is expected to register the highest CAGR during the forecast period. The rapid growth of this segment is growing due to emerging usage and high preferences for autonomous vehicles and defense. Flash LiDAR is widely deployed in autonomous cars with ADAS capabilities and robotics applications, where high speed and precision are required to create infographics. According to McKinsey Insights, by 2030, around 15% of vehicles are expected to be autonomous. Furthermore, the National Ocean and Atmospheric Administration (NOAA) plans to implement flash LiDAR to increase accuracy in the weather forecast.

Based on installation type, the LiDAR market is segmented into airborne and terrestrial. The terrestrial segment is expected to register the highest CAGR during the forecast period. Terrestrial LiDAR can be mobile and stationary and operated only on the surface of the Earth. Static terrestrial scanning is a frequently preferred survey method for monitoring, conventional topography, forensics, and cultural heritage documentation. Mobile & UAV LiDAR operates in both mobile and aerial modes and works on Earth's surface and surrounding environment.

Based on wavelength, the LiDAR market is segmented into 885 nm, 905 nm, 1064 nm, 1550 nm, and other wavelengths. The 1550 nm segment is expected to register the highest CAGR during the forecast period. Utilization of the 1550 nm wavelength is

growing due to its higher eye safety and potential to detect low reflectivity targets, such as any object within a radius of 300 m.

Based on range, the global LiDAR market is segmented into 885 nm, 905 nm, 1064 nm, 1550 nm, and other wavelengths. The medium range segment is expected to register the highest CAGR during the forecast period. The growth of this segment is attributed to the growing usage across engineering and environment applications such as ecological land and classification and archaeology. Medium range LiDAR is widely used to capture the building structure.

Based on service, the global LiDAR market is segmented into aerial survey, asset management, GIS services, ground-based survey, and other services. The ground-based survey segment is expected to register the highest CAGR during the forecast period. The growth of this segment is attributed to the potential of collecting a million points of data per second over the ground area, making it an exceptionally fast method of surveying. The ground-based survey gives much more accurate information for accurate ecological and land use classification. This survey is used to map the forests by measuring the vertical structures of the canopy and its density. These models help us understand the complex forest structures and generate accurate forest inventory.

Based on application, the global LiDAR market is segmented into mapping and cartography, coastline & shoreline mapping, pollution tracking, wind speed measurement, exploration, advanced driver assistance system (ADAS), meteorology, and other applications. The advanced driver assistance system (ADAS) segment is expected to register the highest CAGR during the forecast period. The growth of this segment is attributed to the surging incorporation of LiDAR-based sensors in various automotive safety applications. In the last few years, assisted driving automobiles have gained traction in the market; these automobiles use cameras and LiDAR to sense the environment around them and avoid accidents. For instance, in July 2019, Velodyne Lidar Inc., a California-based Lidar technology company, announced the acquisition of localization and mapping software from Mapper.ai, Inc. This development is aimed at boosting the company's ADAS system production.

Based on end-use industry, the global LiDAR market is segmented into automotive, defense & aerospace, oil & gas, mining, civil engineering, government, transportation, and other end-use industries. In 2022, the government bodies segment is expected to account for the largest market share of the global LiDAR market. The growth of this segment is attributed to the need for surveying and monitoring surroundings, including forest management, coastline management, pollution modeling, agriculture, wind farms,

and precision forestry.

Based on geography, the LiDAR market is segmented into five major regions: North America, Europe, Asia-Pacific, Latin America, and the Middle East & Africa. Asia Pacific is expected to register the highest CAGR during the forecast period. The growth of this segment is attributed to the increased focus on LiDAR modernization programs in the region. China, India, and Japan are expected to be the major markets in the region, as developed countries are expected to increasingly outsource their LiDAR mapping and surveying services to these countries in the near future.

Some of the key players operating in the LiDAR market are Trimble Inc. (U.S.), Leica Geosystems AG - Part of Hexagon (Switzerland), Sick AG (Germany), TOPCON CORPORATION (Japan), Velodyne Lidar, Inc. (U.S.), RIEGL Laser Measurement Systems GmbH (Austria), BEA SA (Belgium), Pepperl+Fuchs (India) Pvt. Ltd. (India), FARO Technologies, Inc. (U.S.), VALEO (France), Teledyne Optech (Canada), Shanghai Hesai Technology Co., Ltd. (China), LeddarTech Inc. (Canada), Suteng Innovation Technology Co., Ltd. (China), and Hokuyo Automatic USA Corporation (U.S.).

Key Questions Answered in the Report:

Which are the high-growth market segments in terms of dimension type, technology, installation type, wavelength, range, service, application, end-use industry, and geography?

What is the historical market size for LiDAR across the globe?

What are the market forecasts and estimates for the period 2022–2029?

What are the major drivers, restraints, opportunities, and challenges in the LiDAR market?

Who are the major players in the market, and what are their market shares?

How is the competitive landscape for the global LiDAR market?

What are the recent developments in the global LiDAR market?

What are the different strategies adopted by the major players in the market?

What are the key geographic trends, and which are the high-growth countries?

Who are the local emerging players in the global LiDAR market, and how do they compete with other players?

Scope of the Report

Global LiDAR Market, by Dimension Type

2D

3D

4D

Global LiDAR Market, by Technology

Macro-mechanical LiDAR

Flash LiDAR

MEMS LiDAR

Optical-phased Array

Other Technologies

Global LiDAR Market, by Installation Type

Airborne

Topographic LiDAR

Bathymetric LiDAR

Terrestrial

Mobile LiDAR

Static LiDAR

Global LiDAR Market, by Wavelength

885 nm

905 nm

1064 nm

1550 nm

Other Wavelength

Global LiDAR Market, by Range

Short Range (up to 10 m)

Medium Range (10 m to 100 m)

Long Range (More than 100 m)

Global LiDAR Market, by Service

Aerial Survey

Asset Management

GIS Services

Ground-based Survey

Other Services

Global LiDAR Market, by Application

Mapping and Cartography

Coastline & Shoreline Mapping

Pollution Tracking

Wind Speed Measurement

Exploration

Advanced Driver Assistance System (ADAS)

Meteorology

Other Applications

Global LiDAR Market, by Industry

Automotive

Defense & Aerospace

Oil & Gas

Mining

Civil Engineering

Government

Transportation

Other industries

Global LiDAR Market, by Geography

North America

U.S.

Canada

Europe

Germany

U.K.

France

Italy

Rest of Europe

Asia-Pacific

China

Japan

South Korea

India

Rest of Asia-Pacific

Middle East & Africa

Latin America

Contents

1. INTRODUCTION

- 1.1. Market Definition
- 1.2. Market Ecosystem
- 1.3. Currency And Limitations
 - 1.3.1. Key Stakeholders

2. RESEARCH METHODOLOGY

- 2.1. Research Process
- 2.2. Data Collection & Validation
 - 2.2.1. Secondary Research
 - 2.2.2. Primary Research
 - 2.2.3. Market Size Estimation

3. EXECUTIVE SUMMARY

4. IMPACT OF COVID-19 ON THE GLOBAL LIDAR MARKET

- 4.1. Scenario A: Severe Impact
- 4.2. Scenario B: Slow Recovery
- 4.3. Scenario C: Fast Recovery

5. MARKET INSIGHTS

- 5.1. Introduction
- 5.2. Market Dynamics
 - 5.2.1. Global LiDAR Market: Impact Analysis of Market Drivers (2022–2029)
 - 5.2.1.1. Increasing Adoption of LiDAR Systems for Developing UAVs
 - 5.2.1.2. Growing Use of LiDAR Technology in Autonomous Vehicles
 - 5.2.1.3. Emergence of 4D LiDAR
 - 5.2.1.4. Increasing Government Investments in LiDAR Technology
 - 5.2.2. Global LiDAR Market: Impact Analysis of Market Restraints (2022–2029)
 - 5.2.2.1. Safety Risks Associated With UAVs And Autonomous Vehicles
 - 5.2.3. Global LiDAR Market: Impact Analysis of Market Opportunities (2022–2029)
 - 5.2.3.1. Increasing OEM Investments in LiDAR Start-Ups
 - 5.2.4. Global LiDAR Market: Impact Analysis of Market Challenges (2022–2029)

- 5.2.4.1. High Cost of Installing LiDAR Systems
- 5.3. Value Chain Analysis

6. GLOBAL LIDAR MARKET, BY DIMENSION TYPE

- 6.1. Introduction
- 6.2. 3D
- 6.3. 2D
- 6.4. 4D

7. GLOBAL LIDAR MARKET, BY TECHNOLOGY

- 7.1. Introduction
- 7.2. Macro-mechanical LiDAR
- 7.3. Mems LiDAR
- 7.4. Flash LiDAR
- 7.5. Optical-phased Array
- 7.6. Other Technologies

8. GLOBAL LIDAR MARKET, BY INSTALLATION TYPE

- 8.1. Introduction
- 8.2. Airborne
 - 8.2.1. Topographic LiDAR
 - 8.2.2. Bathymetric LiDAR
- 8.3. Terrestrial
 - 8.3.1. Mobile LiDAR
 - 8.3.2. Static LiDAR

9. GLOBAL LIDAR MARKET, BY WAVELENGTH

- 9.1. Introduction
- 9.2. 905 NM
- 9.3. 1550 NM
- 9.4. 1064 NM
- 9.5. 885 NM
- 9.6. Other Wavelengths

10. GLOBAL LIDAR MARKET, BY RANGE

- 10.1. Introduction
- 10.2. Short Range (Up To 10 M)
- 10.3. Long Range (More Than 100 M)
- 10.4. Medium Range (10 M To 100 M)

11. GLOBAL LIDAR MARKET, BY SERVICE

- 11.1. Introduction
- 11.2. Aerial Surveys
- 11.3. Ground-Based Surveys
- 11.4. Asset Management
- 11.5. GIS Services
- 11.6. Other Services

12. GLOBAL LIDAR MARKET, BY APPLICATION

- 12.1. Introduction
- 12.2. Mapping & Cartography
- 12.3. Advanced Driver-Assistance System (ADAS)
- 12.4. Coastline & Shoreline Mapping
- 12.5. Oil & Gas Exploration
- 12.6. Meteorology
- 12.7. Pollution Tracking
- 12.8. Wind Speed Measurement
- 12.9. Other Applications

13. GLOBAL LIDAR MARKET, BY END USE INDUSTRY

- 13.1. Introduction
- 13.2. Government Bodies
- 13.3. Automotive
- 13.4. Aerospace & Defense
- 13.5. Civil Engineering
- 13.6. Transportation
- 13.7. Mining
- 13.8. Oil & Gas
- 13.9. Other End Use Industries

14. LIDAR MARKET, BY GEOGRAPHY

- 14.1. Introduction
- 14.2. North America
 - 14.2.1. U.S.
 - 14.2.2. Canada
- 14.3. Europe
 - 14.3.1. Germany
 - 14.3.2. U.K.
 - 14.3.3. France
 - 14.3.4. Italy
 - 14.3.5. Rest of Europe (RoE)
- 14.4. Asia-Pacific
 - 14.4.1. China
 - 14.4.2. Japan
 - 14.4.3. South Korea
 - 14.4.4. India
 - 14.4.5. Rest of Asia-Pacific (RoAPAC)
- 14.5. Latin America
- 14.6. Middle East & Africa

15. COMPETITIVE LANDSCAPE

- 15.1. Introduction
- 15.2. Key Growth Strategies
- 15.3. Market Share Analysis (2021)
 - 15.3.1. Trimble Inc.
 - 15.3.2. Leica Geosystems AG - Part of Hexagon
 - 15.3.3. SICK AG
 - 15.3.4. Velodyne Lidar, Inc.
 - 15.3.5. RIEGL Laser Measurement Systems GmbH

16. COMPANY PROFILES (BUSINESS OVERVIEW, FINANCIAL OVERVIEW, PRODUCT PORTFOLIO, AND STRATEGIC DEVELOPMENTS)

- 16.1. Trimble Inc.
- 16.2. Leica Geosystems AG - Part of Hexagon
- 16.3. SICK AG
- 16.4. Velodyne Lidar, Inc.

- 16.5. Faro Technologies, Inc.
- 16.6. Valeo
- 16.7. Teledyne Optech (a Part of Teledyne Technologies Incorporated)
- 16.8. Aeva Technologies, Inc.
- 16.9. Pepperl+Fuchs (India) Pvt. Ltd. (a Part of Pepperl+Fuchs SE)
- 16.10. RIEGL Laser Measurement Systems GmbH (RIEGL)
- 16.11. Shanghai Hesai Technology Co., Ltd. (Hesai)
- 16.12. Leddartech Inc.
- 16.13. Suteng Innovation Technology Co., Ltd.
- 16.14. Hokuyo Automatic USA Corporation (a Part of Hokuyo Automatic Co., Ltd.)
- 16.15. Zephir Ltd.

17. APPENDIX

- 17.1. Questionnaire
- 17.2. Available Customization

List Of Tables

LIST OF TABLES

Table 1 the Impact of Covid-19 on the Global LiDAR Market (USD Million)

Table 2 Global LiDAR Market Size, by Dimension Type, 2020–2029 (USD Million)

Table 3 Global 3d LiDAR Market Size, by Country/Region, 2020–2029 (USD Million)

Table 4 Global 2d LiDAR Market Size, by Country/Region, 2020–2029 (USD Million)

Table 5 Global 4d LiDAR Market Size, by Country/Region, 2020–2029 (USD Million)

Table 6 Global LiDAR Market Size, by Technology, 2020–2029 (USD Million)

Table 7 Global Macro-mechanical LiDAR Market Size, by Country/Region, 2020–2029 (USD Million)

Table 8 Global MemS LiDAR Market Size, by Country/Region, 2020–2029 (USD Million)

Table 9 Global Flash LiDAR Market Size, by Country/Region, 2020–2029 (USD Million)

Table 10 Global Optical-phased Array Market Size, by Country/Region, 2020–2029 (USD Million)

Table 11 Global LiDAR Market Size for Other Technologies, by Country/Region, 2020–2029 (USD Million)

Table 12 Global LiDAR Market Size, by Installation Type, 2020–2029 (USD Million)

Table 13 Global Airborne LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 14 Global Airborne LiDAR Market Size, by Country/Region, 2020–2029 (USD Million)

Table 15 Global Topographic Airborne LiDAR Market Size, by Country/Region, 2020–2029 (USD Million)

Table 16 Global Bathymetric Airborne LiDAR Market Size, by Country/Region, 2020–2029 (USD Million)

Table 17 Global Terrestrial LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 18 Global Terrestrial LiDAR Market Size, by Country/Region, 2020–2029 (USD Million)

Table 19 Global Terrestrial Mobile LiDAR Market Size, by Country/Region, 2020–2029 (USD Million)

Table 20 Global Terrestrial Static LiDAR Market Size, by Country/Region, 2020–2029 (USD Million)

Table 21 Global LiDAR Market Size, by Wavelength, 2020–2029 (USD Million)

Table 22 Global 905 Nm LiDAR Market Size, by Country/Region, 2020–2029 (USD Million)

Table 23 Global 1550 Nm LiDAR Market Size, by Country/Region, 2020–2029 (USD Million)

Table 24 Global 1064 Nm LiDAR Market Size, by Country/Region, 2020–2029 (USD Million)

Million)

Table 25 885 Nm LiDAR Market Size, by Country/Region, 2020–2029 (USD Million)

Table 26 Global LiDAR Market Size for Other Wavelengths, by Country/Region, 2020–2029 (USD Million)

Table 27 Global LiDAR Market Size, by Range, 2020–2029 (USD Million)

Table 28 Global Short Range (Up To 10 M) LiDAR Market Size, by Country/Region, 2020–2029 (USD Million)

Table 29 Long Range (More Than 100 M) LiDAR Market Size, by Country/Region, 2020–2029 (USD Million)

Table 30 Medium Range (10 M To 100 M) LiDAR Market Size, by Country/Region, 2020–2029 (USD Million)

Table 31 Global LiDAR Market Size, by Service, 2020–2029 (USD Million)

Table 32 Global LiDAR Market Size for Aerial Surveys, by Country/Region, 2020–2029 (USD Million)

Table 33 Global LiDAR Market Size for Ground-Based Surveys, by Country/Region, 2020–2029 (USD Million)

Table 34 Global LiDAR Market Size for Asset Management, by Country/Region, 2020–2029 (USD Million)

Table 35 Global LiDAR Market Size for GIS Services, by Country/Region, 2020–2029 (USD Million)

Table 36 Global LiDAR Market Size for Other Services, by Country/Region, 2020–2029 (USD Million)

Table 37 Global Market Size, by Application, 2020–2029 (USD Million)

Table 38 Global LiDAR Market Size for Mapping & Cartography, by Country/Region, 2020–2029 (USD Million)

Table 39 Global LiDAR Market Size for Advanced Driver-Assistance System, by Country/Region, 2020–2029 (USD Million)

Table 40 Global LiDAR Market Size for Coastline & Shoreline Mapping, by Country/Region, 2020–2029 (USD Million)

Table 41 Global LiDAR Market Size for Oil & Gas Exploration, by Country/Region, 2020–2029 (USD Million)

Table 42 Global LiDAR Market Size for Meteorology, by Country/Region, 2020–2029 (USD Million)

Table 43 Global LiDAR Market Size for Pollution Tracking, by Country/Region, 2020–2029 (USD Million)

Table 44 Global LiDAR Market Size for Wind Speed Measurement, by Country/Region, 2020–2029 (USD Million)

Table 45 Global LiDAR Market Size for Other Applications, by Country/Region, 2020–2029 (USD Million)

Table 46 Global LiDAR Market Size, by End Use Industry, 2020–2029 (USD Million)

Table 47 Global LiDAR Market Size for Government Bodies, by Country/Region, 2020–2029 (USD Million)

Table 48 Global LiDAR Market Size for Automotive, by Country/Region, 2020–2029 (USD Million)

Table 49 Global LiDAR Market Size for Aerospace & Defense Industry, by Country/Region, 2020–2029 (USD Million)

Table 50 Global LiDAR Market Size for Civil Engineering, by Country/Region, 2020–2029 (USD Million)

Table 51 Global LiDAR Market Size for Transportation, by Country/Region, 2020–2029 (USD Million)

Table 52 Global LiDAR Market Size for Mining Industry, by Country/Region, 2020–2029 (USD Million)

Table 53 Global LiDAR Market Size for Oil & Gas, by Country/Region, 2020–2029 (USD Million)

Table 54 Global LiDAR Market Size for Other End Use Industries, by Country/Region, 2020–2029 (USD Million)

Table 55 Global LiDAR Market, by Country/Region, 2020–2029 (USD Million)

Table 56 North America: LiDAR Market, by Country/Region, 2020–2029 (USD Million)

Table 57 North America: LiDAR Market Size, by Dimension Type, 2020–2029 (USD Million)

Table 58 North America: LiDAR Market Size, by Technology, 2020–2029 (USD Million)

Table 59 North America: LiDAR Market Size, by Installation Type, 2020–2029 (USD Million)

Table 60 North America: Airborne LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 61 North America: Terrestrial LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 62 North America: LiDAR Market Size, by Wavelength, 2020–2029 (USD Million)

Table 63 North America: LiDAR Market Size, by Range, 2020–2029 (USD Million)

Table 64 North America: LiDAR Market Size, by Service, 2020–2029 (USD Million)

Table 65 North America: LiDAR Market Size, by Application, 2020–2029 (USD Million)

Table 66 North America: LiDAR Market Size, by End Use Industry, 2020–2029 (USD Million)

Table 67 U.S.: LiDAR Market Size, by Dimension Type, 2020–2029 (USD Million)

Table 68 U.S.: LiDAR Market Size, by Technology, 2020–2029 (USD Million)

Table 69 U.S.: LiDAR Market Size, by Installation Type, 2020–2029 (USD Million)

Table 70 U.S.: Airborne LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 71 U.S.: Terrestrial LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 72 U.S.: LiDAR Market Size, by Wavelength, 2020–2029 (USD Million)
Table 73 U.S.: LiDAR Market Size, by Range, 2020–2029 (USD Million)
Table 74 U.S.: LiDAR Market Size, by Service, 2020–2029 (USD Million)
Table 75 U.S.: LiDAR Market Size, by Application, 2020–2029 (USD Million)
Table 76 U.S.: LiDAR Market Size, by End Use Industries, 2020–2029 (USD Million)
Table 77 Canada: LiDAR Market Size, by Dimension Type, 2020–2029 (USD Million)
Table 78 Canada: LiDAR Market Size, by Technology, 2020–2029 (USD Million)
Table 79 Canada: LiDAR Market Size, by Installation Type, 2020–2029 (USD Million)
Table 80 Canada: Airborne LiDAR Market Size, by Type, 2020–2029 (USD Million)
Table 81 Canada: Terrestrial LiDAR Market Size, by Type, 2020–2029 (USD Million)
Table 82 Canada: LiDAR Market Size, by Wavelength, 2020–2029 (USD Million)
Table 83 Canada: LiDAR Market Size, by Range, 2020–2029 (USD Million)
Table 84 Canada: LiDAR Market Size, by Service, 2020–2029 (USD Million)
Table 85 Canada: LiDAR Market Size, by Application, 2020–2029 (USD Million)
Table 86 Canada: LiDAR Market Size, by End Use Industries, 2020–2029 (USD Million)
Table 87 Europe: LiDAR Market, by Country/Region, 2020–2029 (USD Million)
Table 88 Europe: LiDAR Market Size, by Dimension Type, 2020–2029 (USD Million)
Table 89 Europe: LiDAR Market Size, by Technology, 2020–2029 (USD Million)
Table 90 Europe: LiDAR Market Size, by Installation Type, 2020–2029 (USD Million)
Table 91 Europe: Airborne LiDAR Market Size, by Type, 2020–2029 (USD Million)
Table 92 Europe: Terrestrial LiDAR Market Size, by Type, 2020–2029 (USD Million)
Table 93 Europe: LiDAR Market Size, by Wavelength, 2020–2029 (USD Million)
Table 94 Europe: LiDAR Market Size, by Range, 2020–2029 (USD Million)
Table 95 Europe: LiDAR Market Size, by Service, 2020–2029 (USD Million)
Table 96 Europe: LiDAR Market Size, by Application, 2020–2029 (USD Million)
Table 97 Europe: LiDAR Market Size, by End Use Industry, 2020–2029 (USD Million)
Table 98 Germany: LiDAR Market Size, by Dimension Type, 2020–2029 (USD Million)
Table 99 Germany: LiDAR Market Size, by Technology, 2020–2029 (USD Million)
Table 100 Germany: LiDAR Market Size, by Installation Type, 2020–2029 (USD Million)
Table 101 Germany: Airborne LiDAR Market Size, by Type, 2020–2029 (USD Million)
Table 102 Germany: Terrestrial LiDAR Market Size, by Type, 2020–2029 (USD Million)
Table 103 Germany: LiDAR Market Size, by Wavelength, 2020–2029 (USD Million)
Table 104 Germany: LiDAR Market Size, by Range, 2020–2029 (USD Million)
Table 105 Germany: LiDAR Market Size, by Service, 2020–2029 (USD Million)
Table 106 Germany: LiDAR Market Size, by Application, 2020–2029 (USD Million)
Table 107 Germany: LiDAR Market Size, by End Use Industry, 2020–2029 (USD Million)
Table 108 U.K.: LiDAR Market Size, by Dimension Type, 2020–2029 (USD Million)
Table 109 U.K.: LiDAR Market Size, by Technology, 2020–2029 (USD Million)

Table 110 U.K.: LiDAR Market Size, by Installation Type, 2020–2029 (USD Million)

Table 111 U.K.: Airborne LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 112 U.K.: Terrestrial LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 113 U.K.: LiDAR Market Size, by Wavelength, 2020–2029 (USD Million)

Table 114 U.K.: LiDAR Market Size, by Range, 2020–2029 (USD Million)

Table 115 U.K.: LiDAR Market Size, by Service, 2020–2029 (USD Million)

Table 116 U.K.: LiDAR Market Size, by Application, 2020–2029 (USD Million)

Table 117 U.K.: LiDAR Market Size, by End Use Industry, 2020–2029 (USD Million)

Table 118 France: LiDAR Market Size, by Dimension Type, 2020–2029 (USD Million)

Table 119 France: LiDAR Market Size, by Technology, 2020–2029 (USD Million)

Table 120 France: LiDAR Market Size, by Installation Type, 2020–2029 (USD Million)

Table 121 France: Airborne LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 122 France: Terrestrial LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 123 France: LiDAR Market Size, by Wavelength, 2020–2029 (USD Million)

Table 124 France: LiDAR Market Size, by Range, 2020–2029 (USD Million)

Table 125 France: LiDAR Market Size, by Service, 2020–2029 (USD Million)

Table 126 France: LiDAR Market Size, by Application, 2020–2029 (USD Million)

Table 127 France: LiDAR Market Size, by End Use Industry, 2020–2029 (USD Million)

Table 128 Italy: LiDAR Market Size, by Dimension Type, 2020–2029 (USD Million)

Table 129 Italy: LiDAR Market Size, by Technology, 2020–2029 (USD Million)

Table 130 Italy: LiDAR Market Size, by Installation Type, 2020–2029 (USD Million)

Table 131 Italy: Airborne LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 132 Italy: Terrestrial LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 133 Italy: LiDAR Market Size, by Wavelength, 2020–2029 (USD Million)

Table 134 Italy: LiDAR Market Size, by Range, 2020–2029 (USD Million)

Table 135 Italy: LiDAR Market Size, by Service, 2020–2029 (USD Million)

Table 136 Italy: LiDAR Market Size, by Application, 2020–2029 (USD Million)

Table 137 Italy: LiDAR Market Size, by End Use Industry, 2020–2029 (USD Million)

Table 138 Roe: LiDAR Market Size, by Dimension Type, 2020–2029 (USD Million)

Table 139 Roe: LiDAR Market Size, by Technology, 2020–2029 (USD Million)

Table 140 Roe: LiDAR Market Size, by Installation Type, 2020–2029 (USD Million)

Table 141 Roe: Airborne LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 142 Roe: Terrestrial LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 143 Roe: LiDAR Market Size, by Wavelength, 2020–2029 (USD Million)

Table 144 Roe: LiDAR Market Size, by Range, 2020–2029 (USD Million)

Table 145 Roe: LiDAR Market Size, by Service, 2020–2029 (USD Million)

Table 146 Roe: LiDAR Market Size, by Application, 2020–2029 (USD Million)

Table 147 Roe: LiDAR Market Size, by End Use Industry, 2020–2029 (USD Million)

Table 148 Asia-Pacific: LiDAR Market, by Country/Region, 2020–2029 (USD Million)

Table 149 Asia-Pacific: LiDAR Market Size, by Dimension Type, 2020–2029 (USD Million)

Table 150 Asia-Pacific: LiDAR Market Size, by Technology, 2020–2029 (USD Million)

Table 151 Asia-Pacific: LiDAR Market Size, by Installation Type, 2020–2029 (USD Million)

Table 152 Asia-Pacific: Airborne LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 153 Asia-Pacific: Terrestrial LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 154 Asia-Pacific: LiDAR Market Size, by Wavelength, 2020–2029 (USD Million)

Table 155 Asia-Pacific: LiDAR Market Size, by Range, 2020–2029 (USD Million)

Table 156 Asia-Pacific: LiDAR Market Size, by Service, 2020–2029 (USD Million)

Table 157 Asia-Pacific: LiDAR Market Size, by Application, 2020–2029 (USD Million)

Table 158 Asia-Pacific: LiDAR Market Size, by End Use Industry, 2020–2029 (USD Million)

Table 159 China: LiDAR Market Size, by Dimension Type, 2020–2029 (USD Million)

Table 160 China: LiDAR Market Size, by Technology, 2020–2029 (USD Million)

Table 161 China: LiDAR Market Size, by Installation Type, 2020–2029 (USD Million)

Table 162 China: Airborne LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 163 China: Terrestrial LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 164 China: LiDAR Market Size, by Wavelength, 2020–2029 (USD Million)

Table 165 China: LiDAR Market Size, by Range, 2020–2029 (USD Million)

Table 166 China: LiDAR Market Size, by Service, 2020–2029 (USD Million)

Table 167 China: LiDAR Market Size, by Application, 2020–2029 (USD Million)

Table 168 China: LiDAR Market Size, by End Use Industry, 2020–2029 (USD Million)

Table 169 Japan: LiDAR Market Size, by Dimension Type, 2020–2029 (USD Million)

Table 170 Japan: LiDAR Market Size, by Technology, 2020–2029 (USD Million)

Table 171 Japan: LiDAR Market Size, by Installation Type, 2020–2029 (USD Million)

Table 172 Japan: Airborne LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 173 Japan: Terrestrial LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 174 Japan: LiDAR Market Size, by Wavelength, 2020–2029 (USD Million)

Table 175 Japan: LiDAR Market Size, by Range, 2020–2029 (USD Million)

Table 176 Japan: LiDAR Market Size, by Service, 2020–2029 (USD Million)

Table 177 Japan: LiDAR Market Size, by Application, 2020–2029 (USD Million)

Table 178 Japan: LiDAR Market Size, by End Use Industry, 2020–2029 (USD Million)

Table 179 South Korea: LiDAR Market Size, by Dimension Type, 2020–2029 (USD Million)

Table 180 South Korea: LiDAR Market Size, by Technology, 2020–2029 (USD Million)

Table 181 South Korea: LiDAR Market Size, by Installation Type, 2020–2029 (USD Million)

Table 182 South Korea: Airborne LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 183 South Korea: Terrestrial LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 184 South Korea: LiDAR Market Size, by Wavelength, 2020–2029 (USD Million)

Table 185 South Korea: LiDAR Market Size, by Range, 2020–2029 (USD Million)

Table 186 South Korea: LiDAR Market Size, by Service, 2020–2029 (USD Million)

Table 187 South Korea: LiDAR Market Size, by Application, 2020–2029 (USD Million)

Table 188 South Korea: LiDAR Market Size, by End Use Industry, 2020–2029 (USD Million)

Table 189 India: LiDAR Market Size, by Dimension Type, 2020–2029 (USD Million)

Table 190 India: LiDAR Market Size, by Technology, 2020–2029 (USD Million)

Table 191 India: LiDAR Market Size, by Installation Type, 2020–2029 (USD Million)

Table 192 India: Airborne LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 193 India: Terrestrial LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 194 India: LiDAR Market Size, by Wavelength, 2020–2029 (USD Million)

Table 195 India: LiDAR Market Size, by Range, 2020–2029 (USD Million)

Table 196 India: LiDAR Market Size, by Service, 2020–2029 (USD Million)

Table 197 India: LiDAR Market Size, by Application, 2020–2029 (USD Million)

Table 198 India: LiDAR Market Size, by End Use Industry, 2020–2029 (USD Million)

Table 199 RoAPAC: LiDAR Market Size, by Dimension Type, 2020–2029 (USD Million)

Table 200 RoAPAC: LiDAR Market Size, by Technology, 2020–2029 (USD Million)

Table 201 RoAPAC: LiDAR Market Size, by Installation Type, 2020–2029 (USD Million)

Table 202 RoAPAC: Airborne LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 203 RoAPAC: Terrestrial LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 204 RoAPAC: LiDAR Market Size, by Wavelength, 2020–2029 (USD Million)

Table 205 RoAPAC: LiDAR Market Size, by Range, 2020–2029 (USD Million)

Table 206 RoAPAC: LiDAR Market Size, by Service, 2020–2029 (USD Million)

Table 207 RoAPAC: LiDAR Market Size, by Application, 2020–2029 (USD Million)

Table 208 RoAPAC: LiDAR Market Size, by End Use Industry, 2020–2029 (USD Million)

Table 209 Latin America: LiDAR Market Size, by Dimension Type, 2020–2029 (USD Million)

Table 210 Latin America: LiDAR Market Size, by Technology, 2020–2029 (USD Million)

Table 211 Latin America: LiDAR Market Size, by Installation Type, 2020–2029 (USD Million)

Table 212 Latin America: Airborne LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 213 Latin America: Terrestrial LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 214 Latin America: LiDAR Market Size, by Wavelength, 2020–2029 (USD Million)

Table 215 Latin America: LiDAR Market Size, by Range, 2020–2029 (USD Million)

Table 216 Latin America: LiDAR Market Size, by Service, 2020–2029 (USD Million)

Table 217 Latin America: LiDAR Market Size, by Application, 2020–2029 (USD Million)

Table 218 Latin America: LiDAR Market Size, by End Use Industry, 2020–2029 (USD Million)

Table 219 MEA: LiDAR Market Size, by Dimension Type, 2020–2029 (USD Million)

Table 220 MEA: LiDAR Market Size, by Technology, 2020–2029 (USD Million)

Table 221 MEA: LiDAR Market Size, by Installation Type, 2020–2029 (USD Million)

Table 222 MEA: Airborne LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 223 MEA: Terrestrial LiDAR Market Size, by Type, 2020–2029 (USD Million)

Table 224 MEA: LiDAR Market Size, by Wavelength, 2020–2029 (USD Million)

Table 225 MEA: LiDAR Market Size, by Range, 2020–2029 (USD Million)

Table 226 MEA: LiDAR Market Size, by Service, 2020–2029 (USD Million)

Table 227 MEA: LiDAR Market Size, by Application, 2020–2029 (USD Million)

Table 228 MEA: LiDAR Market Size, by End Use Industry, 2020–2029 (USD Million)

Table 229 Recent Key Developments, by Company, 2019–2022

List Of Figures

LIST OF FIGURES

- Figure 1 Market Ecosystem
- Figure 2 Currency And Limitations
- Figure 3 Key Stakeholders
- Figure 4 Research Process
- Figure 5 Key Secondary Sources
- Figure 6 Key Executives Interviewed
- Figure 7 Primary Research Techniques
- Figure 8 Market Size Estimation
- Figure 9 Key Insights
- Figure 10 Global LiDAR Market, by Dimension Type, 2029 (USD Million)
- Figure 11 Global LiDAR Market, by Technology, 2029 (USD Million)
- Figure 12 Global LiDAR Market, by Installation Type, 2029 (USD Million)
- Figure 13 Global LiDAR Market, by Wavelegnth, 2029 (USD Million)
- Figure 14 Global LiDAR Market, by Range, 2029 (USD Million)
- Figure 15 Global LiDAR Market, by Service, 2029 (USD Million)
- Figure 16 Global LiDAR Market, by Application, 2029 (USD Million)
- Figure 17 Global LiDAR Market, by End Use Industry, 2029 (USD Million)
- Figure 18 Geographic Snapshot: Global LiDAR Market (USD Million)
- Figure 19 The Impact of Covid-19 on the Global LiDAR Market
- Figure 20 Market Dynamics
- Figure 21 LiDAR Market: Value Chain Analysis
- Figure 22 Global LiDAR Market, by Dimension Type, 2022 Vs. 2029 (USD Million)
- Figure 23 Global LiDAR Market, by Technology, 2022 Vs. 2029 (USD Million)
- Figure 24 Global LiDAR Market, by Installation Type, 2022 Vs. 2029 (USD Million)
- Figure 25 Global LiDAR Market, by Wavelength, 2022 Vs. 2029 (USD Million)
- Figure 26 Global LiDAR Market, by Range, 2022 Vs. 2029 (USD Million)
- Figure 27 Global LiDAR Market, by Service, 2022 Vs. 2029 (USD Million)
- Figure 28 Global LiDAR Market, by Application, 2022 Vs. 2029 (USD Million)
- Figure 29 Global LiDAR Market Size, by End Use Industry, 2022 Vs. 2029 (USD Million)
- Figure 30 Global LiDAR Market Size, by Region, 2022 Vs. 2029 (USD Million)
- Figure 31 Key Growth Strategies Adopted by Leading Players, 2019–2022
- Figure 32 Market Share Analysis, by Leading Players, 2021
- Figure 33 Trimble Inc.: Financial Overview, 2021
- Figure 34 Hexagon AB: Financial Overview, 2021
- Figure 35 Sick AG: Financial Overview, 2021

Figure 36 Velodyne LiDAR, Inc.: Financial Overview, 2021

Figure 37 Faro Technologies, Inc.: Financial Overview, 2021

Figure 38 Valeo: Financial Overview, 2021

Figure 39 Teledyne Technologies Incorporated: Financial Overview, 2021

Figure 40 Aeva Technologies, Inc.: Financial Overview, 2021

I would like to order

Product name: LiDAR Market by Dimension Type (2D, 3D, 4D), Technology (Macro-mechanical LiDAR, Flash LiDAR), Installation Type, Wavelength, Range, Service, Application, End-use Industry, and Geography - Global Forecast to 2029

Product link: <https://marketpublishers.com/r/L6173B84A4B3EN.html>

Price: US\$ 4,175.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/L6173B84A4B3EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970