

Global Optical Lidar Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Optical Lidar market size is expected to reach \$ 7102.7 million by 2029, rising at a market growth of 20.6% CAGR during the forecast period (2023-2029).

Optical lidar is a high-precision three-dimensional sensing technology that uses laser beams to measure the distance, position and shape of objects. Optical lidar often plays a key role in areas such as autonomous vehicles, robotics, aerospace, geographic information systems (GIS), environmental monitoring, military applications, and scientific research. Optical lidar determines the distance, location and shape of a target by firing laser pulses at the target and then measuring the time it takes for the light pulse to return and the direction of its beam. As technology develops and the market expands, the cost of optical lidar gradually decreases, making it more affordable and popular. The trend is for optical lidar hardware to become smaller and more integrated to accommodate different sizes and types of devices, such as drones, consumer cars, and mobile robots. In summary, optical lidar technology is constantly evolving to adapt to the needs of various application areas and provide higher accuracy and more reliable environmental perception. The continuous development of these technologies will promote progress in fields such as automation, intelligence, and scientific research.

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This report studies the global Optical Lidar production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Optical Lidar, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Optical Lidar that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Optical Lidar total production and demand, 2018-2029, (K Units)

Global Optical Lidar total production value, 2018-2029, (USD Million)

Global Optical Lidar production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Optical Lidar consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Optical Lidar domestic production, consumption, key domestic manufacturers and share

Global Optical Lidar production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Optical Lidar production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Optical Lidar production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Optical Lidar market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Velodyne Lidar, Quanergy Systems, Luminar Technologies, Innoviz Technologies, Ouster, LeddarTech, Rayz, Windmill and Sphoton, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Optical Lidar market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Optical Lidar Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Optical Lidar Market, Segmentation by Type

Solid State Lidar

Rotary Lidar

Global Optical Lidar Market, Segmentation by Application

Autopilot

Robot

Military

Surveying and Mapping

Aviation

Companies Profiled:

Velodyne Lidar

Quanergy Systems

Luminar Technologies

Innoviz Technologies

Ouster

LeddarTech

Rayz

Windmill

Sophoton

Tianmou Toec

Lorentech

Richbeam

Morelite

Kyle Optics

Luminwave

Key Questions Answered

1. How big is the global Optical Lidar market?
2. What is the demand of the global Optical Lidar market?
3. What is the year over year growth of the global Optical Lidar market?
4. What is the production and production value of the global Optical Lidar market?
5. Who are the key producers in the global Optical Lidar market?

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