

# Global Long-range LiDAR Sensor 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 Long-range LiDAR Sensor market size was valued at US\$ 1058 million in 2024 and is forecast to a readjusted size of USD 1729 million by 2031 with a CAGR of 7.2% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

A long-range LiDAR sensor is a remote sensing device that uses laser light to measure distances to objects over extended ranges, typically exceeding 100 meters and sometimes reaching several hundred meters or more. These sensors emit laser pulses and detect the reflected light from surfaces to create detailed, high-resolution 3D maps of the environment. Designed for applications requiring high precision and reliability over long distances, such as autonomous vehicles, drones, robotics, and infrastructure monitoring, long-range LiDAR sensors offer enhanced detection capabilities in various lighting and weather conditions. Their ability to perceive distant objects with fine accuracy makes them essential for real-time obstacle detection, navigation, and situational awareness in complex or dynamic environments.

This report is a detailed and comprehensive analysis for global Long-range LiDAR Sensor 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 Long-range LiDAR Sensor market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Long-range LiDAR Sensor 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 Long-range LiDAR Sensor 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 Long-range LiDAR Sensor 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 Long-range LiDAR Sensor
- 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 Long-range LiDAR Sensor 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 Ouster, Valeo, Aeva Technologies, SICK, Leishen Intelligent Systems, LIVOX, SiLC Technologies, Benewake, Seyond, RoboSense, etc.

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

## Market Segmentation

Long-range LiDAR Sensor 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

Mechanical Scanning LiDAR Sensor

Solid-State LiDAR Sensor

Hybrid LiDAR Sensor

### Market segment by Application

Autonomous Vehicles

Infrastructure Monitoring

Drones

Robots

Others

### Major players covered

Ouster

Valeo

Aeva Technologies

SICK

Leishen Intelligent Systems

LIVOX

SiLC Technologies

Benewake

Seyond

RoboSense

Bosch

Hesai Technology

Teledyne Optech

Continental

Velodyne Lidar

Blickfeld

Aurora

OLE-SYSTEMS

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 Long-range LiDAR Sensor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Long-range LiDAR Sensor, with price, sales quantity, revenue, and global market share of Long-range LiDAR Sensor from 2020 to 2025.

Chapter 3, the Long-range LiDAR Sensor competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Long-range LiDAR Sensor 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 Long-range LiDAR Sensor 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 Long-range LiDAR Sensor.

Chapter 14 and 15, to describe Long-range LiDAR Sensor sales channel, distributors, customers, research findings and conclusion.

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