

Global High-thread Lidar 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 High-thread Lidar market size was valued at US\$ 527 million in 2024 and is forecast to a readjusted size of USD 3321 million by 2031 with a CAGR of 30.0% during review period.

High-thread Lidar is a LiDAR system with multiple transmitting and receiving channels, capable of simultaneously transmitting laser beams in multiple vertical directions and receiving reflected signals to generate high-density three-dimensional point cloud data. The thread count is usually more than 16 lines, and can even reach higher levels such as 64 or 128 lines. This LiDAR can provide a more refined environment perception ability, suitable for automatic driving, robot navigation, three-dimensional modeling and other applications requiring high-precision and high-resolution three-dimensional information.

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

Global High-thread Lidar 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 High-thread Lidar 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 High-thread Lidar 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 High-thread Lidar

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 High-thread Lidar 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 Continental AG, Valeo, Ouster, SICK, Neuvision, Inc, Hesai Technology, Beijing Encradar Technology, RoboSense Technology, LeiShen Intelligent Systems, Seyond, etc.

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

Market Segmentation

High-thread Lidar 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

16-wire

64-wire

128-wire

256-wire

Others

Market segment by Application

Automobile Industry

Robot

Security Industry

Others

Major players covered

Continental AG

Valeo

Ouster

SICK

Neuvition, Inc

Hesai Technology

Beijing Enradar Technology

RoboSense Technology

LeiShen Intelligent Systems

Seyond

Beijing Beike Tianhui Technology

Tianmou Photoelectric Technology

Beijing Yijing Technology

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 High-thread Lidar product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of High-thread Lidar, with price, sales quantity, revenue, and global market share of High-thread Lidar from 2020 to 2025.

Chapter 3, the High-thread Lidar competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the High-thread Lidar 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 High-thread Lidar 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 High-thread Lidar.

Chapter 14 and 15, to describe High-thread Lidar sales channel, distributors, customers, research findings and conclusion.

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