

# Global SLAM Technology Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global SLAM Technology market size was valued at USD 359.9 million in 2023 and is forecast to a readjusted size of USD 2457.9 million by 2030 with a CAGR of 31.6% during review period.

SLAM is a technology used in computer vision technologies which gets the visual/laser sensor data from the physical world in shape of points to make an understanding for the machine.

SLAM (Simultaneous Localization and Mapping) technology is often compared to GPS technology, or it can be said that SLAM technology is a supplement to GPS technology. In a room, or a table, or a small intersection, GPS technology usually has accuracy down to a meter, but cannot reach to the centimeter or millimeter.

SLAM Technology market now has nearly 100 players, most of them are located in USA, EU and China. Because Google, Apple and Facebook do not provide products that mainly take the tech of SLAM, and some of them are open sourced or not on a commercial scale.

Europe is the largest region of SLAM Technology in the world in the past few years and it will keep increasing in the next few years. Europe market took up about 42% the global market in 2018, while USA and China were about 30%, 8%.

The Global Info Research report includes an overview of the development of the SLAM Technology industry chain, the market status of Robot (Visual SLAM, Laser SLAM), Unmanned Aerial Vehicle (UAV) (Visual SLAM, Laser SLAM), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent,

hot applications and market trends of SLAM Technology.

Regionally, the report analyzes the SLAM Technology 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 SLAM Technology market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the SLAM Technology 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 SLAM Technology 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 revenue generated, and market share of different by Type (e.g., Visual SLAM, Laser SLAM).

**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 SLAM Technology market.

**Regional Analysis:** The report involves examining the SLAM Technology 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 SLAM Technology market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to SLAM Technology:

**Company Analysis:** Report covers individual SLAM Technology players, 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 SLAM Technology. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Robot, Unmanned Aerial Vehicle (UAV)).

**Technology Analysis:** Report covers specific technologies relevant to SLAM Technology. It assesses the current state, advancements, and potential future developments in SLAM Technology areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the SLAM Technology 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

SLAM Technology 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 value.

### Market segment by Type

Visual SLAM

Laser SLAM

### Market segment by Application

Robot

Unmanned Aerial Vehicle (UAV)

Augmented Reality (AR)

## Autonomous Vehicles

Market segment by players, this report covers

Google

Apple ARKit

Facebook

Aethon

Clearpath Robotics

Locus Robotics

Amazon Robotics

Parrot SA

NavVis

GeoSLAM

Ascending Technologies

SLAMcore

KUKA AG

Gestalt Robotics

Omron Adept Technologies

Shanghai Slamtec

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Australia and Rest of Asia-Pacific)

South America (Brazil, Argentina and Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe SLAM Technology product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of SLAM Technology, with revenue, gross margin and global market share of SLAM Technology from 2019 to 2024.

Chapter 3, the SLAM Technology competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2019 to 2024. and SLAM Technology market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of SLAM Technology.

Chapter 13, to describe SLAM Technology research findings and conclusion.

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