

# Global Fibre-Optic Gyroscope Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Fibre-Optic Gyroscope market size was valued at USD 626.6 million in 2023 and is forecast to a readjusted size of USD 825.7 million by 2030 with a CAGR of 4.0% during review period.

A fibre-optic gyroscope (FOG) senses changes in orientation using the Sagnac effect, thus performing the function of a mechanical gyroscope. However its principle of operation is instead based on the interference of light which has passed through a coil of optical fibre, which can be as long as 5 kilometres.

Global Fibre-Optic Gyroscope key players include Northrop Grumman, KVH Industries, Optolink, AVIC, Kearfott, etc. Global top five manufacturers hold a share over 50%.

North America is the largest market, with a share about 45%, followed by Europe, and Asia-Pacific, both have a share over 40 percent.

In terms of product, Single-Axis is the largest segment, with a share over 80%. And in terms of application, the largest application is Defence, followed by Aviation and Space, Ship and Submarine, etc.

The Global Info Research report includes an overview of the development of the Fibre-Optic Gyroscope industry chain, the market status of Defence (Single-Axis, Multi-Axis), Aviation and Space (Single-Axis, Multi-Axis), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Fibre-Optic Gyroscope.

Regionally, the report analyzes the Fibre-Optic Gyroscope 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 Fibre-Optic Gyroscope market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Fibre-Optic Gyroscope 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 Fibre-Optic Gyroscope 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 sales quantity (Units), revenue generated, and market share of different by Type (e.g., Single-Axis, Multi-Axis).

**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 Fibre-Optic Gyroscope market.

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

The report also involves a more granular approach to Fibre-Optic Gyroscope:

**Company Analysis:** Report covers individual Fibre-Optic Gyroscope manufacturers, 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 Fibre-Optic Gyroscope. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Defence, Aviation and Space).

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

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Fibre-Optic Gyroscope 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

Fibre-Optic Gyroscope 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 volume and value.

### Market segment by Type

Single-Axis

Multi-Axis

### Market segment by Application

Defence

Aviation and Space

Ship and Submarine

Others

### Major players covered

Northrop Grumman

KVH Industries

Safran

Honeywell

Kearfott

AVIC

Optolink

iXblue

L3 Harris

Fizoptika CJSC

JAE

Emcore

Civitanavi

Mitsubishi Precision

### 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 Fibre-Optic Gyroscope product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Fibre-Optic Gyroscope, with price, sales, revenue and global market share of Fibre-Optic Gyroscope from 2019 to 2024.

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

Chapter 4, the Fibre-Optic Gyroscope breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Fibre-Optic Gyroscope market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Fibre-Optic Gyroscope.

Chapter 14 and 15, to describe Fibre-Optic Gyroscope sales channel, distributors, customers, research findings and conclusion.

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