

# Global Electronic IMU Sensors 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 Electronic IMU Sensors market size was valued at USD 2086.5 million in 2023 and is forecast to a readjusted size of USD 2784.9 million by 2030 with a CAGR of 4.2% during review period.

An inertial measurement unit (IMU) sensor is an electronic device that measures and reports a craft's velocity, orientation, and gravitational forces, using a combination of accelerometers and gyroscopes, sometimes also magnetometers. In this report, the high performance IMU sensors were counted and analyzed. We take into account industrial, aerospace, defense applications (even industrial applications are considered as "high-performance" applications, as opposed to consumer ones). This refers to the applications: we take into account all the inertial sensors except the consumer / mobile and the automotive applications.

Global Electronic IMU Sensors key players include Honeywell International, Northrop Grumman Corp, SAFRAN, Thales, Kearfott, etc. Global top five players hold a share about 75%.

North America is the largest market, with a share about 40%, followed by Europe and China, having a total share about 50 percent.

In terms of product, the segment includes FOG, RLG, DTG and Others Mechanical, Si / Quartz MEMS, HRG and Emerging technology. And in terms of application, the largest application is Aerospace, followed by Defense, Industrial, Naval, Offshore Markets.

The Global Info Research report includes an overview of the development of the

Electronic IMU Sensors industry chain, the market status of Defense (FOG, RLG), Aerospace (FOG, RLG), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Electronic IMU Sensors.

Regionally, the report analyzes the Electronic IMU Sensors 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 Electronic IMU Sensors market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Electronic IMU Sensors 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 Electronic IMU Sensors 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 (K Units), revenue generated, and market share of different by Type (e.g., FOG, RLG).

**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 Electronic IMU Sensors market.

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

The report also involves a more granular approach to Electronic IMU Sensors:

**Company Analysis:** Report covers individual Electronic IMU Sensors 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 Electronic IMU Sensors. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Defense, Aerospace).

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

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

Electronic IMU Sensors 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

FOG

RLG

DTG and Others Mechanical

Si / Quartz MEMS

HRG and Emerging technology

#### Market segment by Application

Defense

Aerospace

Industrial, Naval, Offshore

#### Major players covered

Honeywell International

Northrop Grumman Corp

SAFRAN

Thales

Kearfott

KVH Industries

UTC

Systron Donner Inertial

IAI Tamam

Elop

L-3 Communications

VectorNav

Tronics

SBG systems

AOSense

Analog Devices

MEGGITT

Sensoror

EPSON TOYOCOM

JAE

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 Electronic IMU Sensors product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Electronic IMU Sensors, with price, sales, revenue and global market share of Electronic IMU Sensors from 2019 to 2024.

Chapter 3, the Electronic IMU Sensors competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Electronic IMU Sensors 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 Electronic IMU Sensors 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 Electronic IMU Sensors.

Chapter 14 and 15, to describe Electronic IMU Sensors sales channel, distributors, customers, research findings and conclusion.

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