

# Global Sun Sensor 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 Sun Sensor market size was valued at USD 28 million in 2023 and is forecast to a readjusted size of USD 57 million by 2030 with a CAGR of 10.9% during review period.

A sun sensor is a navigational instrument used by spacecraft to detect the position of the sun. Sun sensors are used for attitude control, solar array pointing, gyro updating, and fail-safe recovery. There are various types of sun sensors, which differ in their technology and performance characteristics. Sun presence sensors provide a binary output, indicating when the sun is within the sensor's field of view. Analog and digital sun sensors, in contrast, indicate the angle of the sun by continuous and discrete signal outputs, respectively. This report studies the sun sensor in space market.

The main global Sun Sensor players include Bradford Space, NewSpace Systems, Adcole Space, GOMSpace, Space Micro, etc. The top five Sun Sensor players account for approximately 13% of the total global market. North America is the world's largest consumer market for Sun Sensor, accounting for about 73%, followed by Europe and Asia-Pacific. In terms of type, Coarse Analog Sun Sensors is the largest segment, with a share about 48%. And in terms of application, the largest application is LEO, followed by GEO.

The Global Info Research report includes an overview of the development of the Sun Sensor industry chain, the market status of LEO (Coarse Analog Sun Sensors, Fine Analog Sun Sensors), GEO (Coarse Analog Sun Sensors, Fine Analog Sun Sensors), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Sun Sensor.

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

#### Key Features:

The report presents comprehensive understanding of the Sun Sensor 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 Sun Sensor 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., Coarse Analog Sun Sensors, Fine Analog Sun Sensors).

**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 Sun Sensor market.

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

The report also involves a more granular approach to Sun Sensor:

**Company Analysis:** Report covers individual Sun Sensor 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 Sun Sensor. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (LEO, GEO).

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

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

Sun Sensor 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

Coarse Analog Sun Sensors

Fine Analog Sun Sensors

Digital Sun Sensors

### Market segment by Application

LEO

GEO

MEO

Others

Major players covered

NewSpace Systems

Bradford Space

Adcole Space

GOMSpace

Space Micro

CubeSpace

Antrix Corporation

Hyperion Technologies

Sputnix

German Orbital Systems

Space Inventor

Needronix

Cosats

Leonardo

LENS R&D

Crystal Space

Solar MEMS Technologies

Chang Guang Satellite

Tensor Tech

Optical Energy Technologies

Jena-Optronik GmbH

CASC – SAST Shanghai Academy of Spaceflight Tech

SpaceTech GmbH

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 Sun Sensor product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Sun Sensor 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 Sun Sensor 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 Sun Sensor.

Chapter 14 and 15, to describe Sun Sensor sales channel, distributors, customers, research findings and conclusion.

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