

# Global Astronomical Telescope 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 Astronomical Telescope market size was valued at USD 170 million in 2023 and is forecast to a readjusted size of USD 247.6 million by 2030 with a CAGR of 5.5% during review period.

Astronomical telescope is an optical instrument used to view heavenly bodies such moon, stars, planets and distant objects. Astronomical telescope consists of two convex lenses: objective and eye piece. The objective is a convex lens of large focal length and large aperture. It usually made of two convex lenses in contact with each other to reduce the chromatic and spherical aberrations. The eye piece is also a convex lens. Its focal length is smaller than that of objective. It is also a combination of two lenses.

For the telescopes with retail price below 300 \$/unit, they are generally sold with a bracket. Brackets for this level of telescopes are generally manual operated, they are low-cost and won't have big influence on the total cost of a telescope. But for telescopes of high-end, the cost of electric bracket or mount are quite high, these brackets or mounts are generally sold as accessories.

In this report, we mainly account the cost and price of telescopes, but bracket or mount not included.

The global key producers of astronomical telescopes are Synta Technology (Celestron), JOC, Takahashi, Bosma, Vixen Co, etc. The largest producer is Synta Technology (Celestron), with about 50% market share. At the consumption level, North America has the largest market with a share of 35%. In terms of product categories, refracting telescopes have the largest market share with 46%, followed by reflector telescopes



with 40%. In terms of applications, 50% of the market share is for personal use and 35% for educational institutions.

The Global Info Research report includes an overview of the development of the Astronomical Telescope industry chain, the market status of Personal (Refracting Telescope, Reflector Telescope), Educational Institution (Refracting Telescope, Reflector Telescope), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Astronomical Telescope.

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

#### Key Features:

The report presents comprehensive understanding of the Astronomical Telescope 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 Astronomical Telescope 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., Refracting Telescope, Reflector Telescope).

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 Astronomical Telescope market.

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

The report also involves a more granular approach to Astronomical Telescope:

Company Analysis: Report covers individual Astronomical Telescope 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 Astronomical Telescope This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Personal, Educational Institution).

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

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Astronomical Telescope 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

Astronomical Telescope 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

Refracting Telescope



R	Reflector Telescope
C	Catadioptric Telescope
Market segment by Application	
P	Personal
E	Educational Institution
S	Scientific Research Institutions
Major players covered	
S	Synta Technology (Celestron)
J	OC
Т	- akahashi
В	Bosma
V	/ixen Co
S	SharpStar
V	/ista Outdoor (Tasco)
Д	Astro-Physics
٨	Nikon
V	/isionking
Т	ianLang



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 Astronomical Telescope product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Astronomical Telescope 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 Astronomical Telescope 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 Astronomical Telescope.

Chapter 14 and 15, to describe Astronomical Telescope sales channel, distributors, customers, research findings and conclusion.



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