

Ground-Based Space Surveillance Telescope Market: Forecast, Trends, Segments And Industry Insights

*The Business Research Company's
Ground-Based Space Surveillance
Telescope Market: Forecast, Trends,
Segments And Industry Insights*

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KINGDOM, September 8, 2026

/EINPresswire.com/ -- "The [ground-based space surveillance telescope market](#)

has witnessed significant growth in recent years, largely fueled by the increasing number of satellites and the urgent need to monitor space debris. This sector is becoming more crucial as space activities expand, prompting greater investments and technological advancements.



Expected to grow to \$1.3 billion in 2030 at a compound annual growth rate (CAGR) of 7.6%"

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Let's explore the current market size, driving factors, regional dynamics, and the future outlook for this important industry.

Steady Expansion in the [Ground-Based Space Surveillance Telescope Market Size](#)

In 2025, the ground-based space surveillance telescope market is valued at \$0.9 billion and is expected to rise to \$0.97 billion by 2026, growing at a compound annual

growth rate (CAGR) of 7.4%. This upward trend over the recent years has been driven by the surge in satellites orbiting Earth, escalating worries about accumulating space debris, increased defense spending on space monitoring systems, enhanced space exploration efforts, and the growing need to track and identify orbital objects accurately.

Download a free sample of the [ground-based space surveillance telescope market report](#):
https://thebusinessresearchcompany.com/sample_request?id=68963437&type=smp&name=Ground-Based%20Space%20Surveillance%20Telescope%20Market%20Report%202026&utm_source=EINPresswire&utm_medium=Paid&utm_campaign=Sep_PR

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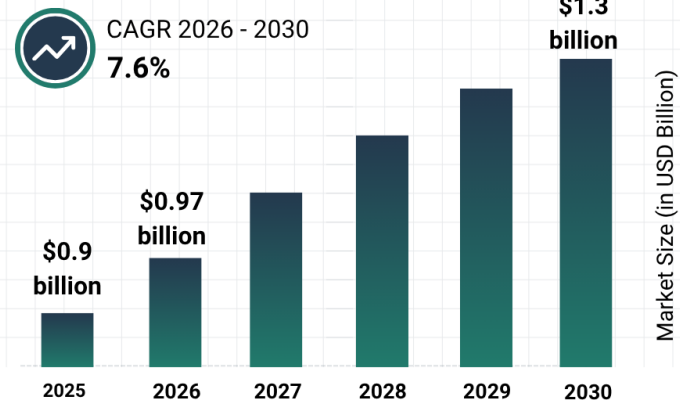


Market Prospects Indicate Strong Growth by 2030

Looking ahead, the market is projected to expand further, reaching \$1.3 billion by 2030 with an anticipated CAGR of 7.6%. This growth is supported by rising demand for comprehensive space situational awareness solutions, the deployment of next-generation surveillance telescope systems, and heightened investments in national programs focused on space security. Additionally, the rapid development of commercial satellite constellations and the shift toward autonomous space monitoring contribute significantly to this positive outlook. Key trends include the increasing installation of advanced optical and infrared telescope networks, real-time monitoring of space debris to avoid collisions, growing capital flow into situational awareness infrastructure, and the use of multi-sensor systems for efficient orbital tracking.

Ground-Based Space Surveillance Telescope Market Report 2026

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Ground-Based Space Surveillance Telescope Market Overview

Understanding What Ground-Based Space Surveillance Telescopes Are

Ground-based space surveillance telescopes are optical or infrared observation instruments situated on Earth, designed to track and observe objects in space, including satellites and orbital debris. These systems employ sophisticated imaging sensors, precise tracking technology, and data processing tools to detect, identify, and analyze objects across various orbital zones. Their primary function is to enhance space situational awareness by delivering accurate information about the positions, trajectories, and potential collision risks posed by space objects.

View the full ground-based space surveillance telescope market report:

https://www.thebusinessresearchcompany.com/report/ground-based-space-surveillance-telescope-market-report?utm_source=EINPresswire&utm_medium=Paid&utm_campaign=Sep_PR

Satellite Launch Activity as a Major Growth Driver

The rising frequency of satellite launches plays a critical role in propelling the ground-based space surveillance telescope market forward. This surge involves more commercial, governmental, and military satellites being sent into orbit, which increases both the number of active satellites and the accumulation of orbital debris. The growth in satellite launches is driven by expanding needs in communication, navigation, Earth observation, and defense sectors that rely on extensive satellite constellations. Ground-based telescopes assist these missions by monitoring satellites, rocket stages, and debris to ensure safe navigation and prevent collisions,

while improving real-time space situational awareness in an increasingly crowded orbital environment. Illustrating this trend, in January 2024, the Space Foundation reported that over 2,800 satellites were launched in 2023—a 23% increase over the previous year—underlining how this rising activity fuels market demand.

Regional Highlights in the Ground-Based Space Surveillance Telescope Market

In 2025, North America stood as the largest regional market for ground-based space surveillance telescopes. However, Asia-Pacific is anticipated to be the fastest-growing market during the forecast period. The industry analysis encompasses several key regions, including Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa, providing a broad perspective on global market behavior.

New strategic additions in our 2026 market reports include market attractiveness scoring and analysis, total addressable market (TAM) analysis, company scoring matrix graphics and tables, Excel-based forecasting dashboards, market hotspots infographics, key technologies and future trend analysis, along with updated graphics and tables.

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