

Satellite Antenna Market Report by Frequency Band (C Band, K/KU/KA Band, X Band), Technology (SOTM, SOTP), Antenna Type (Flat Panel Antenna, Parabolic Reflector Antenna, Horn Antenna), Platform (Land Fixed, Land Mobile, Airborne, Maritime, Space), and Region 2024-2032

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Abstracts

The global satellite antenna market size reached US\$ 3.5 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 6.1 Billion by 2032, exhibiting a growth rate (CAGR) of 6.17% during 2024-2032.

A satellite antenna is a communication tool designed to transmit and receive information using microwave signals. It converts electromagnetic (EM) energy into electrical energy during reception and transmission. Comprising an antenna structure, beam-forming network, and feed system, a satellite antenna is widely installed on airborne, maritime, land, and space-based platforms to communicate in wide-ranging frequencies, such as very high frequency (VHF), ultra-high frequency (UHF), X band, and C band. It also assists in reducing interference from undesired signals and concentrating the satellite's transmitting power into a designated geographical region.

Satellite Antenna Market Trends:

The widespread product adoption in telecommunications and space industries is creating a positive outlook for the market. In line with this, the increasing number of space exploration missions, the proliferation of small satellites, rising investments, and increasing demand for satellite-aided warfare systems are facilitating the market's growth. Furthermore, widespread adoption of electronically steered phased antennas (ESPA) due to the increasing demand for communication on the move (COTM)

solutions for commercial vehicles, trains, and boats are acting as another growth-inducing factor. Apart from this, the introduction of phased array antennas that provide high efficiency, low-drag, robust bird strike compliance, and equatorial or skew angle performance is providing an impetus to market growth. Additionally, the introduction of smart antennas that assist in minimizing signal fading, enhancing power control, and managing efficient wireless communications are driving the growth of the market. Moreover, the increasing application of satellites in remote sensing, earth observation, space research projects, weather forecast, climate monitoring, and deforestation is positively influencing the market growth. Other factors, including rising demand for wireless and mobile communications, increasing adoption of reusable rocket technology and off-the-shelf CubeSats, and extensive research and development (R&D) activities toward satellite miniaturization for reducing launch cost, are anticipated to support the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global satellite antenna market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on frequency band, technology, antenna type and platform.

Breakup by Frequency Band:

- C Band
- K/KU/KA Band
- X Band

Breakup by Technology:

- SOTM
- SOTP

Breakup by Antenna Type:

- Flat Panel Antenna
- Parabolic Reflector Antenna
- Horn Antenna

Breakup by Platform:

Land Fixed
Land Mobile
Airborne
Maritime
Space

Breakup by Region:

North America
United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Airbus SE, Ball Corporation, Cobham Limited, General Dynamics Mission Systems (General Dynamics Corporation), Gilat Satellite Networks, Honeywell International Inc., L3Harris Technologies, MDA Ltd., Mitsubishi Electric Corporation, Norsat International Inc. (Hytera), Thales Group and Viasat Inc.

Key Questions Answered in This Report

1. What was the size of the global satellite antenna market in 2023?
2. What is the expected growth rate of the global satellite antenna market during 2024-2032?
3. What are the key factors driving the global satellite antenna market?
4. What has been the impact of COVID-19 on the global satellite antenna market?
5. What is the breakup of the global satellite antenna market based on the frequency band?
6. What is the breakup of the global satellite antenna market based on the technology?
7. What is the breakup of the global satellite antenna market based on the antenna type?
8. What is the breakup of the global satellite antenna market based on the platform?
9. What are the key regions in the global satellite antenna market?
10. Who are the key players/companies in the global satellite antenna market?

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