

South & Central America Military Antenna Market Forecast to 2030 - Regional Analysis - by Type (Aperture Antennas, Dipole Antennas, Travelling Wave Antennas, Monopole Antennas, Loop Antennas, Array Antennas, and Others), Frequency (High Frequency, Very High Frequency, and Ultra-High Frequency), Platform (Marine, Ground, and Airborne), and Application (Communication, Telemetry, Electronic Warfare, Surveillance, and Navigation)

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Abstracts

The South & Central America military antenna market was valued at US\$ 96.67 million in 2022 and is expected to reach US\$ 116.56 million by 2030; it is estimated to record a CAGR of 2.4% from 2022 to 2030.

Rising Integration of Electronically Steered Phased Array Antennas Drive South & Central America Military Antenna Market

The proliferation of communication on-the-move solutions, primarily for military vehicles, fighter aircraft, and naval ships, is boosting the demand for electronically steered phased array antennas. The advanced array antennas can support tracking and maintaining satellite links even when the vehicles are moving. There is a surging demand for advanced technologies to meet the ever-changing battlefield requirements. For instance, in October 2023, Keysight Technologies, Inc. launched the Phased Array Antenna Control and Calibration solution that facilitates satellite designers fabricating active electronically scanned arrays specifically for satellite communications applications to test their designs in time of validation. The solution increases signal-

pointing accuracy by enhancing the frequency of active antenna array components. In 2019, SatixFy introduced a silicon-based electronically steered multi-beam array antenna. In 2021, L3Harris manufactured a multi-band, multi-mission phased array ground antenna system, which was integrated with the Space Force's Satellite Communication Network system to establish simultaneous satellite contacts. The proliferation of advanced technologies regarding meeting modern warfare situations is boosting the application of electronically steered array antennas in military equipment. Thus, the integration of electronically steered array antennas in military equipment positively fuels the South & Central America military antenna market growth.

South & Central America Military Antenna Market Overview

The growing need for advanced surveillance and communication equipment in the defense industry is one of the major drivers for the South & Central America military antenna market. Brazil is one of the most promising markets for military antennas in South & Central America. Military antennas allow nations to establish bridges for communication, which helps boost the nation's safety and security. Military antennas help in continuous streaming and support the operators by reducing the possibility of interference. The advanced military antennas also help in navigation by using GPS satellites orbiting around the Earth. The growing technological advancement and need for modern equipment to establish secure communication links is anticipated to boost the application of military antennas in South & Central American countries. In 2020, South & Central America had a military expenditure of US\$ 37,262.5 million, and it increased to US\$ 38,560.1 million in 2021. In 2022, the military expenditure was US\$ 38,292.5 million. The growing unstable geopolitical scenarios regarding wars and conflicts between nations are fueling the demand for advanced equipment to strengthen the defense force of the nation. The trend regarding the proliferation of satellite-driven communication infrastructure is also acting as one of the key driving factors for the South & Central America military antenna market in South & Central America. In 2023, South & Central America accounted 1,647 units of military aircraft fleets. In addition, South & Central America accounted for 270 units of naval vessels as of 2023. Predominantly, frigates and submarines are dominating in terms of the number of military units in South & Central America. Increasing demand for modern technologies to be used in the current war scenarios and mounting requirements for more sophisticated navigation, communication, and surveillance equipment and devices for distant operation are projected to encourage the application of military antennas in South & Central America during the forecast period.

South & Central America Military Antenna Market Revenue and Forecast to 2030 (US\$

Million)

South & Central America Military Antenna Market Segmentation

The South & Central America military antenna market is segmented based on type, frequency, platform, application, and country.

Based on type, the South & Central America military antenna market is segmented into aperture antennas, dipole antennas, travelling wave antennas, monopole antennas, loop antennas, array antennas, and others. The dipole antennas segment held the largest share in 2022.

By frequency, the South & Central America military antenna market is segmented into high frequency, very high frequency, and ultra-high frequency. The high frequency segment held the largest share in 2022.

By platform, the South & Central America military antenna market is segmented into marine, ground, and airborne. The ground segment held the largest share in 2022.

In terms of application, the South & Central America military antenna market is categorized into communication, telemetry, electronic warfare, surveillance, and navigation. The communication segment held the largest share in 2022.

Based on country, the South & Central America military antenna market is bifurcated into Brazil

Rest of South & Central America. Brazil dominated the South & Central America military antenna market in 2022.

Thales SA, L3Harris Technologies Inc, Lockheed Martin Corp, MTI Wireless Edge Ltd, Rohde and Schwarz GmbH and Co KG, and BAE Systems Plc are some of the leading companies operating in the South & Central America military antenna market.

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