Airport Security - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2029

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Report description:

The Airport Security Market size is estimated at USD 14.61 billion in 2024, and is expected to reach USD 22.98 billion by 2029, growing at a CAGR of 9.49% during the forecast period (2024-2029).

The COVID-19 outbreak has preceded one of the major challenges to the sustainability of the air travel industry at the worldwide level. Despite the decrease in revenues of the airport operators due to the impact of the pandemic, the authorities have continued to invest in implementing advanced screening, scanning, and security systems. With the passenger traffic projected to witness gradual recovery, the airport operators are expected to increase their investments in security systems in the coming years.

The increasing number of travelers and significant security enhancements for intercepting the threat of terrorist attacks in airports are some driving factors for the airport security systems market, and this trend is anticipated to continue over the forecast period.

The increasing airport construction and investments in airport infrastructure are further boosting the growth of the airport security systems market during the forecast period.

The increasing adoption of artificial intelligence, robotics, and biometrics in various security systems for detecting suspicious persons, credit cards, fake currencies, abandoned objects, and explosives without disturbing the passenger flow at the airport are anticipated to propel the growth of the market in the future.

Airport Security Systems Market Trends

Biometric Systems Segment to Experience the Highest Growth During the Forecast Period

The Biometric Systems segment of the market is anticipated to grow at the highest CAGR during the forecast period. Various airports and airlines are currently testing and using biometrics to speed up various airport processes like check-in, security check, or passport control. Some airports in countries like the US, the UK, China, Japan, and Singapore are currently using this technology, and many other airports in smaller countries are in the testing phase of biometrics. The Transportation Security Administration of the United States released a roadmap for enhancing aviation security and passenger experience using biometrics with the vision to transform the commercial aviation ecosystem by 2026. Also, recently in June 2022, under the Digi Yatra initiative, the government of India announced its plan to implement a facial recognition System at Indian airports in a phased manner. In the project's first phase, these systems will be installed at airports of Bangalore, Hyderabad, Kolkata, Pune, Varanasi, and Vijayawada by March 2023. The biometric-based digital processing of passengers is expected to ease the passenger processes at various checkpoints like terminal entry gates, check-in/ bag drop, security check, and boarding gates. Such initiatives from the governments towards integrating advanced biometric technology for faster processing of passengers are acting as major drivers for the segment's growth during the forecast period.

Asia-Pacific is Expected to Generate the Highest Demand During the Forecast Period

Asia-Pacific is expected to witness the highest demand during the forecast period. The growth of the demand for the market is due to the ongoing investment plans of the civil aviation authorities to construct new airports and the increasing threat of terrorist activities at the airports in the region. With the recovering passenger traffic at the airports in the region, countries like China and India are increasing their investments in constructing new airports, expanding existing airports, and modernization of aviation infrastructure in the region. Currently, more than USD 200 billion in airport infrastructure projects are ongoing in the Asia-Pacific region. China, India, South Korea, the Philippines, and Vietnam are major countries undertaking such projects. In addition to investments in constructing new airports, the airport operators are partnering with companies to introduce innovative security systems. On this note, in October 2021, Kansai Airports deployed Secom Robot X2 at Terminal 2 of Kansai International Airport and the airport's railway station. The new robots can autonomously navigate patrol routes that feature a 360 camera, a stereo camera, a PTZ camera, sensing functions laser sensor, internal temperature and battery temperature sensor bumper sensor, ultrasonic sensor, and PSD sensor. Such investments are anticipated to generate demand for new airport security systems for airports and new facilities during the forecast period.

Airport Security Systems Industry Overview

The airport security systems market is highly fragmented, with many suppliers providing different security systems to airports around the world. Some of the prominent players in the market are Honeywell International Inc., Bosch Ltd, Smiths Group plc, L3Harris Technologies Inc., and Siemens AG. Developing new technologies (and innovation of new products) is anticipated to help the companies gain customers for expansion into new ventures and increase their geographic presence. For instance, in June 2022, Thales Group unveiled HELIXVIEW, a stationary, compact, and lightweight Cabin Baggage Explosive Detection System (EDS CB) C3-compliant scanner that deploys X-ray nanotechnology-based electronic scanning and 3D imaging reconstruction. The systems also integrate artificial intelligence (AI) to interpret threats and notify operators. Currently, airport operators and governments are testing and conducting trials with robots to support security officials in providing adequate security at the airport. To incorporate such technologies, they are partnering with the security system providers, which is expected to help the companies gain an advantage over others. Also, airlines are investing in security systems by partnering with providers to decrease passenger wait timing and for faster screening, which is anticipated to help companies expand their geographic reach. Furthermore, the latest trend of digitization of airports will open new market opportunities for the market players in the coming future.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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