

North America Public Infrastructure Safety - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2024 - 2029)

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Abstracts

The North America Public Infrastructure Safety Market size is estimated at USD 1.60 billion in 2024, and is expected to reach USD 3.70 billion by 2029, growing at a CAGR of 18.20% during the forecast period (2024-2029).

Key Highlights

The growing number of accidents, crime rates, terrorist activities, and increasing investments in smart technology contribute to the market's growth. Integrating technologies like IoT, AI, and big data analytics enhances the ability to monitor, manage, and secure public infrastructure effectively.

The number of terrorist activity and rising crime rates have increased worldwide in the past few years. This has heightened concerns about the safety of people, assets, and processes, resulting in severe damage to infrastructure and the loss of multiple lives.

The rising number of terror attacks increases the demand for public infrastructure safety solutions. However, terrorist attacks and death numbers have decreased in over a decade, according to the Institute for Economics & Peace report on the global terrorism index. Governments are using and investing in physical security solutions to reduce crime rates and protect residents, business employees, and assets.

As of December 2023, at least 40,167 people died from gun violence in the United States, as per the Gun Violence Archive. There were more than 632 mass shootings in 2023, which is defined by the Gun Violence Archive as an incident in which four or more victims are shot or killed. These mass shootings have led to 597 deaths and 2,380

injuries.

The high initial investment is a significant hindrance to the market's growth. Governments are spending on installing surveillance systems, biometric security, critical communication networks, and scanning and screening systems, which incur high installation and maintenance costs.

Macroeconomic factors such as economic growth, government spending, inflation, interest rates, labor market conditions, technological advancements, public-private partnerships, global economic trends, and environmental and social policies have profound impacts on the public infrastructure safety market in the region. These factors collectively influence the availability of funding, the cost of projects, the pace of technological adoption, and the overall prioritization of safety in public infrastructure development and maintenance.

North America Public Infrastructure Safety Market Trends

Transportation Vertical is Expected to Hold a Significant Market Share

The transportation systems sector, which comprises railways, roads, and aviation, moves millions of passengers and goods. Therefore, protecting this network becomes critical for a nation's way of life and economic vitality. Airports are essential to the region's transportation and supply chain, and the government is investing in its physical security.

Modern physical security systems are expected to improve an airport's ability to protect staff, passengers, and property. However, they can go beyond security while enhancing operations and passenger experience, supporting a more profound transformation. For instance, the Transportation Security Administration (TSA) plans to expand its facial recognition program to approximately 430 US airports over the next several years. The technology is currently in 16 airports. In addition to Baltimore, it is being used at Reagan National near Washington DC, airports in Boston, Atlanta, Denver, Dallas, Detroit, etc.

Moreover, the deployment of public safety systems in the region is expected to reduce the number of road accidents. As per the data from the National Highway Traffic Safety Administration, 40,990 people died in motor vehicle traffic crashes in 2023, a decrease of about 3.6% as compared to 42,514 fatalities reported to have occurred in 2022.

Furthermore, cyber risks in transportation are increasing, and companies are

developing and modernizing solutions to protect themselves from cyber threats. These factors are expected to increase the region's demand for public infrastructure safety.

United States to Hold a Significant Market Share

The United States is a major adopter of public infrastructure safety systems owing to the presence of several larger market players. Commercial verticals, such as hotels, malls, and retail stores, are the biggest adopters of public infrastructure safety systems in the United States.

The National Infrastructure Protection Plan has been revised to identify 16 critical sectors susceptible to attacks. Implementing this plan has increased the demand for public safety solutions in those 16 sectors: agriculture and food, emergency services, defense, IT, energy and power, transportation and shipping, banking, chemical and hazardous manufacturing industry, and national monuments.

Moreover, the United States is among the countries with the highest rate of road accident fatalities per one million population. Drunk driving and speeding are the two main risk factors. In 2023, approximately 41,000 people died in road traffic fatalities. The installation of public safety systems will reduce the number of accidents.

Furthermore, the substantial increase in data breaches in the country across various industries is increasing organizations' adoption of biometrics to provide another layer of security and understand people's entry and exit.

North America Public Infrastructure Safety Industry Overview

The North American public infrastructure safety market is semi-consolidated. Major players continuously try to increase their market presence by introducing new products, expanding their operations, or entering into strategic mergers and acquisitions, partnerships, and collaborations. Some of the major players include Siemens AG, Thales Group, Honeywell, Atos SE, ABB Ltd, and Schneider Electric SE, among many others.

May 2024: The US Customs and Border Protection announced installing and, in some

cases, rapidly expanding existing visible and disguised surveillance technologies along the US border with Mexico, turning vast swaths of the borderlands into a virtual surveillance state.

March 2024: The US Department of Transportation's Federal Highway Administration (FHWA) opened applications for up to USD 44.5 million in funding for projects that will strengthen safety and improve walking, bicycling, and access to public transit in communities across the country.

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