Automated Passenger Counting and Information System Market by Offering (APC System, PIS), Technology (IR, Stereoscopic, ToF, Structured Light), Type (Display, Infotainment, Announcements & Emergency Communication) Application - Global Forecast to 2029

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Report description:

The global automated passenger counting, and information system market was valued at USD 9.2 billion in 2024 and is estimated to reach USD 15.4 billion by 2029, registering a CAGR of 10.7% during the forecast period. The rising urbanization, regulatory requirements for precise ridership data, and the integration of smart city strategies foster a reasonable setting for automated passenger counting and information systems. Technological progressions in sensor technology and data analytics also propel market expansion, meeting the demand for immediate insights and data-centric decision-making in public transportation.
"Display systems to contribute significant share in automated passenger counting and information system market."
Display systems are poised to drive the system type segment in automated passenger counting and information systems. With increasing demand for real-time information dissemination and enhanced passenger experience, display systems play a pivotal role in providing timely and relevant information to commuters. These systems offer vital updates on schedules, delays, and occupancy levels and serve as interactive platforms for passengers to engage with transit services. As transit authorities prioritize passenger satisfaction and operational efficiency, the adoption of display systems is expected to surge, driving growth in the automated passenger counting and information system market.
"Infrared technology segment contributes significant growth rate in the automated passenger counting market."
The growth of infrared technology in automated passenger counting systems is expected to surge due to several factors. Infrared technology offers enhanced accuracy and reliability in detecting and counting passengers, even in low-light or crowded environments, making it particularly suitable for various transportation settings such as buses, trains, and airports. Infrared sensors can capture depth information, allowing for precise identification and tracking of individuals, thereby improving the

accuracy of passenger counting systems. The non-intrusive nature of infrared sensors ensures passenger privacy while still providing valuable data for transit operators to optimize service planning and resource allocation. Additionally, the decreasing costs and increasing availability of infrared technology make it more accessible for integration into automated passenger counting systems, further driving its adoption and market growth.

"North America will contribute significantly to the growth rate in automated passenger counting and information system market." The transport industry in North America is well-developed, and transit operators use passenger information systems to improve their service offerings and enhance passengers' traveling experience. The transit operators in the region have realized the importance of passenger information systems and, as such, have started using them on a large scale. The automated passenger counting systems make transit services comfortable and safe as they can provide real-time passenger occupancy information. The San Francisco Municipal Transportation Agency (SFMTA) is one of the oldest transit agencies in the US, having more than 1,000 vehicles operating across more than 80 routes in the country. The agency has installed NextBus Inc. (US) passenger information systems, including over 900 LED signs at its bus shelters. The aim of using passenger information systems is to predict the arrival time of vehicles and provide real-time information about them to passengers.

In-depth interviews have been conducted with chief executive officers (CEOs), Directors, and other executives from various key organizations operating in the automated passenger counting and information system marketplace.

- By Company Type: Tier 1 - 40%, Tier 2 - 35%, and Tier 3 - 25%
- By Designation: C-level Executives - 35%, Directors - 28%, and Others - 37%
- By Region: North America- 45%, Europe - 35%, Asia Pacific- 15% and RoW- 5%

Eurotech (Italy), Iris-GmbH (Germany), DILAX Intelcom GmbH (Germany), HELLA Agalia Mobile Vision(Germany), and Infodev EDI (US), among others, are some of the key players in the automated passenger counting and information system market.

The study includes an in-depth competitive analysis of these key players in the automated passenger counting and information system market, with their company profiles, recent developments, and key market strategies.

Research Coverage

This research report categorizes the Automated passenger counting and information system market by offering, application, and region (North America, Europe, Asia Pacific, and RoW). The report scope covers detailed information regarding the major factors, such as drivers, restraints, challenges, and opportunities, influencing the growth of the automated passenger counting and information system market. A detailed analysis of the key industry players has provided insights into their business overview, solutions and services, key strategies, Contracts, partnerships, and agreements. New product and service launches, acquisitions, and recent developments associated with the automated passenger counting and information system market. This report covers competitive analysis of upcoming startups in the automated passenger counting and information system market ecosystem.

Reasons to buy this report

The report will help the market leaders/new entrants with information on the closest approximations of the revenue numbers for the automated passenger counting, information system market, and subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. The report also helps stakeholders understand the market pulse and provides information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

-This new version of the report on the automated passenger counting and information system market includes the following:
-Market size from 2020 to 2029
-Average selling prices (ASPs) of APC Sensors and systems (an offering sub-segment of Automated passenger counting and information system) calculated by the weighted average method
-Updated research assumptions and limitations
-Information related to trends/disruptions impacting businesses of customers, as well as information on the ecosystem of automated passenger counting and information system, trade analysis, regulatory analyses, technology analysis, patents analysis, and case studies pertaining to the automated passenger counting and information system market.
-Updated financial information until 2023 (depending on availability) for each listed company helps in the easy analysis of the present status of the profiled companies in terms of their financial strength, profitability, key revenue-generating regions/countries, and the highest revenue-generating business segments.
-Recent developments that help assess market trends and growth strategies adopted by leading market players
-Key manufacturers offering automated passenger counting and information system solutions; key 25 providers are categorized into star, pervasive, emerging leader, and participant companies based on their performance on various parameters such as product footprint, focus on product innovations and geographic footprint.
-Market share analysis of various players operating in the automated passenger counting and information system market for 2023
-Small- and medium-sized enterprises (SME) matrix that brief some business strategies and product offerings of 15 SME players operating in the market, which are classified into four groups: progressive, dynamic, responsive companies, and starting blocks
-Brief information regarding the competitive situations and trends in the Automated passenger counting and information system market
-The product, application, and geographic footprints of the key 25 providers of automated passenger counting and information system market
-Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the automated passenger counting and information system market
-Market Development: Comprehensive information about lucrative markets - the report analyses the automated passenger counting and information system market across varied regions.
-Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the automated passenger counting and information system market
-Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players like Eurotech (Italy), Iris-GmbH (Germany), DILAX Intelcom GmbH (Germany), HELLA Agalia Mobile Vision(Germany) and Infodev EDI (US), Siemens (Germany), Hitachi (Japan) among others in the automated passenger counting and information system market.

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