ScreeneX

Transportation

ScreeneX Transportation: Transforming Windows and Glass Areas into Vivid Digital Information Displays for Passengers

A Window of Real-time Communication

ScreeneX is a new generation of passenger information systems (PIS) for on-board and off-board applications, real time passenger information (RTPI), entertainment and commercial advertisements. Featuring an embedded TFT - LCD panel inside the glass unit, ScreeneX allows operators to control and tailor information displayed to passengers.

The ScreeneX basic system includes two modules: a window-screen and an electronic control unit (ECU) connected via a communication cable. The window-screen is an insulated glass unit (IGU) with a total width of 16-20mm. Because the screen is embedded into the glass unit, the surface on both sides is as smooth and clear as regular glass.

Features & Benefits

With ScreeneX, conventional windows, doors and partition walls become a dynamic communication channel with passengers.

Functionality Meets Design

- Saves internal space: Substitute traditional mounted digital signage systems by better utilizing existing glass areas and elements. ScreeneX uses only a portion of an existing window or glass area, while maintaining its functionality.

- Increased exposure: No need to compromise on the location of your in-cabin displays. ScreeneX allows you to locate the screen close to the passenger, dramatically increasing exposure and impact.

- No external mounting is required, thus no loss of cabin space or interference with surveillance devices or line of sight through the cabin.

- Extremely low weight compared to traditional solutions, with glass panes that can be designed per customer requirement with a variety of print patterns dimensions, shapes or unique glass compositions.

- ScreeneX offers a new "clean" and sophisticated design concept where screens are an integral part of vehicle. The future is here!

Rich Content Supply

- Latest information and updates: ScreeneX® ensures passengers receive up-to-date travel information regarding delays, changing conditions and connection times. It also issues immediate and highly effective safety alerts, and delivers a range of entertainment, promotional and advertising material.

- Compatible with all major operating systems (Windows, Android, Linux and others) and media player software and can be connected to all existing content management systems.

- Total flexibility: ScreeneX can be supplied as a screen system only (and connect to any existing media network) or as a full PIS solution that includes all media, communication and management components.

Longer Lifespan

- Outstanding durability: Developed with public transportation vehicles in mind, ScreeneX is built to meet or exceed the most demanding industry standards. The entire system is highly resilient to vibration, temperature variations and vandalism – a robustness and resilience that significantly increases its lifespan.

- Protected against vandals: By encasing the screen in the glass, ScreeneX makes your valuable assets inaccessible to vandals.

- Meets the highest safety standards: All our products are tested to meet the highest standards and provide a durable and reliable product with low failure rates.

Easy to Use with No Maintenance

- Installation is as simple as putting in regular windows and/or glass elements.

- All system components are modular and can be replaced separately.

- Designed for zero maintenance: Fan-less and robust, our systems are manufactured to work for years.

Return on Investment

- Revenue generation: ScreeneX® creates a new opportunity for revenue generation and added value through the sale of advertising and promotional material. Transform your 'regular' windows into a new way to improve the passenger experience while generating revenue from selling advertisement space.

- Comprehensive solution: OSG can provide an end-to-end ScreeneX® solution to meet all your needs, including system design and location of screens, IT architecture, content creation and management, media player software, installation and maintenance.

- Deployable at any stage: ScreeneX can be deployed in new vehicle platforms at the OEM stage or on a working fleet as part of a renovation or upgrade.

ScreeneX Transportation off-board solutions

SceeeneX technology is also deployed for off-board applications. Our products vary from integrated screeens inside glass partitions or glass walls for passenger screen doors (PSD) or other glass elements.

We also offer custom solutions for HD LCD based passenger information systems that are designed to meet harsh environmental conditions with zero-maintance requirements and with a unique, narrow, low-weight design.

Subways   Buses   Trains   Trams/LRV   .... Passenger Screen Doors (PSD) .... Platform Information Display Systems

About OSG

A world leader in cutting edge glass technology, OSG (Oran Safety Glass) is a global company with production facilities in the United States, Israel and Spain and a worldwide network of offices and distributors.

Founded in 1979, OSG develops and supplies glass for a range of specialized applications. From lightweight compositions to transparent armor, OSG creates the right solution for your requirements.

From automotive and architectural glass systems to glass for rail, heavy engineering machinery and transparent armor for defense and security, military and civilian applications, OSG leads the way in development and manufacturing of advanced glass solutions.

OSG's special glass solutions, developed for transportation applications, are used throughout the world by commercial vehicle producers and component manufacturers such as Volvo, Siemens, Evobus and Liebherr. OSG glass is used in a number of high speed trains including models manufactured by Siemens, Bombardier, Alstom, Talgo, CAF and others. OSG also provides glass to a large number of bus manufacturers worldwide.

At OSG, in-house R&D teams work closely with academic experts to provide a continuous innovation stream focused on developing the next generation of advanced glass products.

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