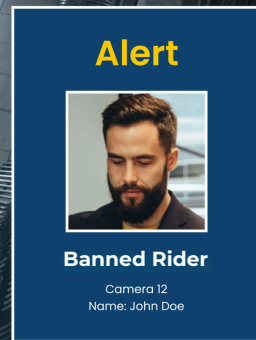


Safeguarding Public Transportation with Vision AI

Protecting Passengers, Staff, and Operations in Real-Time



Increasing safety risks demand better protection for public transportation.

With **rising violence, code of conduct violations**, and incidents like **assaults, trafficking, and vandalism**, securing public transit is more critical than ever. **Staffing shortages** and insider threats further strain operations, while **24/7 coverage** is essential to prevent accidents like falls on tracks or unauthorized access.

Urban centers and major events increase traffic, stretching resources and security capacity to their limits. Law enforcement needs support, and Oosto's Vision AI helps public transportation operators stay ahead of these challenges with **real-time detection, proactive security, and comprehensive safety solutions** to protect public transit systems.

Vision AI for Good in Public Transportation

Oosto's Vision AI-powered technology provides public transportation with a proactive approach to enhance security and safety. Whether preventing major security incidents or managing daily safety operations, visibility is crucial. Rapid response depends on real-time, trusted information.



Unmatched Security Capabilities of Oosto's Vision AI

Real-Time Video Analysis

Instantly monitor and assess ongoing situations with live video feeds across platforms and stations.

Person-of-Interest Alerts

Receive immediate alerts for individuals on watchlists, banned riders, or persons of interest, ensuring security teams can act swiftly.

Action Detection

Identify and respond to risky behaviors, including: Fighting, Falling, Running, Loitering, Line-crossing & more.

High Accuracy in Challenging Conditions

Oosto's system maintains accuracy even in: crowded environments, low-light areas, or when individuals wear facial coverings or disguises.



Public Transportation Use Cases in Action



Watchlist Alerting

Identify banned riders, terrorists, know persons of interest, restraining orders, human trafficking victims, BOLO's or individuals making threats to passengers or staff before they enter railway stations or board trains. Track persons of interest across cameras throughout the railway system and on the perimeter.



Action Detection & Prevention

Detect dangerous behaviors such as falling onto tracks, slip and falls, crossing safety lines, sleeping in restricted areas, fighting, loitering, or laying down in unauthorized spaces. Real-time alerts help security teams respond quickly to prevent accidents or incidents.



Touchless Access Control

Use facial recognition to manage access to restricted areas like train operations centers, staff-only platforms, or maintenance zones. Prevent unauthorized individuals from entering critical infrastructure, ensuring secure and seamless operations.



Oosto Key Functionality for Vision AI in Public Transportation

In-the-Wild Performance

Prevent alarm fatigue, by ensuring low false positives, high accuracy, and no bias.

Ease and Adaptability

Rapidly deploy (cloud less than an hour), plus performs in low light, poor picture quality, and highly crowded environments.

Real-time and forensic

Provides instant alerting, live tracking of subjects across cameras, and allows historical search.

Uses existing hardware

Requires no change of camera infrastructure to perform. Operates well in mixed-camera environments.

Face, Body & Behavior Alerting

Detects attribute combinations for more granular, custom rule-setting to match detection and duration needs.

Scalability

Supports multi-site, high volume usage on-premise, at-the-edge, and in the cloud.

