



Aviation Security

Optimizing Safety, Surveillance, and Operational Posture in
Global Airport Ecosystems

WHAT DO WE KNOW ABOUT 6SS?



AI-Powered Impact

Founded in 2013, 6SS is an American software company where high-caliber IT professionals, neural network engineers, and product strategists build impactful, intelligent computer vision technologies.



20+ Analytics Modules

Our extensive security portfolio is engineered for enterprise integrations, spanning facial recognition, automatic license plate tracking (LPR), smart parking, forensic video searches, and centralized management solutions.

THE AIRPORT CHALLENGE

Modern terminals must balance absolute security with frictionless efficiency:

- 🛡️ **Rising Threats:** Perimeter intrusions, logistical errors, and high-risk security attacks require highly automated, smart vigilance.
- 👤 **User Demands:** Airport staff and airline passengers now expect faster document verification and frictionless transitions.
- ⚡ **Smart Infrastructure:** 6SS meets both parameters by augmenting existing cameras with actionable intelligent algorithms.



AIRSIDE SECURITY

Intrusion Detection

Protect restricted tarmac regions, gates, and technical zones instantly. 6SS video analytics automates perimeter line monitoring, warning staff about unauthorized people, animals, or vehicles.

Integrated early-warning algorithms detect presence violations and smoke or fire anomalies to protect vital hardware.



BIOMETRIC ACCESS CONTROL

6SS Facial Recognition for Critical Infrastructure Gates:

- ✓ **Tarmac & ATC Entry:** Enforce strict, frictionless access controls to air traffic control towers and sensitive airside zones.
- ✓ **Eliminate Credentials Theft:** Traditional swipe cards are easily lost, stolen, or shared. Biometrics ensure proof of identity.
- ✓ **Instant Alerts:** Receive immediate alerts at operations centers the moment an unauthorized profile triggers a gate check.



TERMINAL PASSENGER SAFETY



Search & Identification

Locate lost children, locate missing passengers based on physical descriptors, or track wanted profiles instantly using face photo search.



Improved Express Lanes

Recognize preregistered frequent flyers automatically, permitting document-free verification to streamline airport check-ins.



Wrong-Way Violation Alerts

Receive immediate dispatch alerts when travelers move against security pathways, exit portals, escalators, or emergency doors.



Emergency Lane Control

Ensure blocked fire escapes, transit hallways, and terminal gates stay completely clear of unmonitored objects or groups.

QUEUES & THREAT DETECTION



Queue Thresholds

Track check-in queue lengths dynamically. Dispatch auxiliary agents to customer desks automatically before waiting times peak.



Left Baggage Detection

Spot and identify unattended luggage continuously. Differentiate between travelers' simple forgetfulness and potential explosive threats.



Crowd Dispersion

Detect unusual clusters of people in entryways and baggage carousels, ensuring optimal evacuation pathways and preventing terminal choke points.

VEHICULAR TRAFFIC CONTROL

Optimizing Curb Access and Roadways:

-  **Automated Curb Control:** Monitor vehicle drop-off zones, automatically tracking curb parking times and flagging violations.
-  **Roadblock Mitigation:** Spot terminal-bound traffic build-ups early, optimizing taxi and shuttle distributions across routes.
-  **Terminal Cargo Security:** Validate authorized vehicle logistics, logistics loading spots, and access terminal gates automatically.



Any Questions?

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