LTS LINK
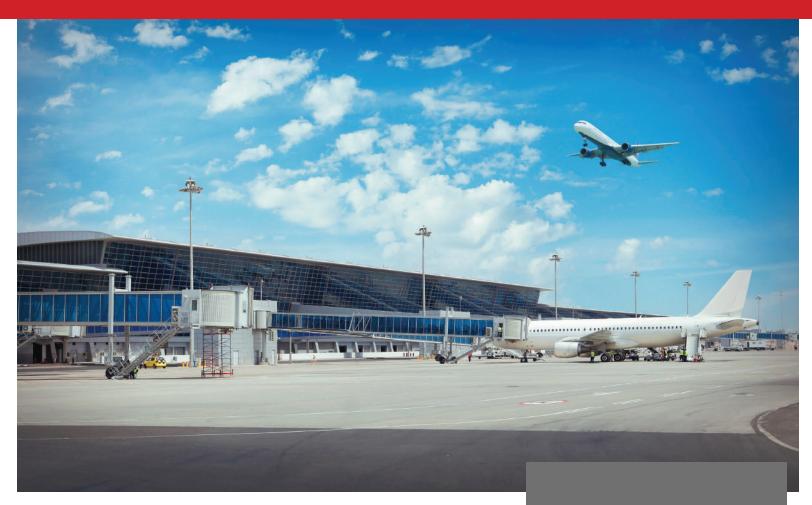
SECURITY SOLUTIONS FOR AIRPORTS

INTRO

Airports, with their numerous passengers, vehicles, and aircraft passing through daily, face challenges like managing passenger flow, ensuring smooth traffic, and detecting dangerous items.

To address these issues, LTS provides comprehensive NDAA-compliant security solutions for airports, featuring AI technologies and more. Explore our airport solutions below, along with the case study for applications.

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RISKS & TRENDS OF AIRPORT SECURITY

CHALLENGES

Airports face a myriad of security challenges, each posing significant risks to their operations.

- **Countless Passengers**: The increase in air passenger traffic puts ever more pressure on security operations to maintain efficiency and safety.
- **Airport Traffic Management**: The high volume of vehicles entering and exiting airports challenges smooth traffic flow and effective accident prevention.
- **Security & Baggage Screening**: A rising number of dangerous items, such as firearms, knives, and explosives confiscated at TSA checkpoints demonstrates the urgency of effective security.

Reference: *Security Magazine*

TRENDS

The Airport Security Market size is estimated at $16.12 billion in 2024 and is expected to reach $23.82 billion by 2029, growing at an expected CAGR of 8.12%.

Now, more than ever, airport security relies on biometrics, big data, AI, and various analyses to mitigate security risks.
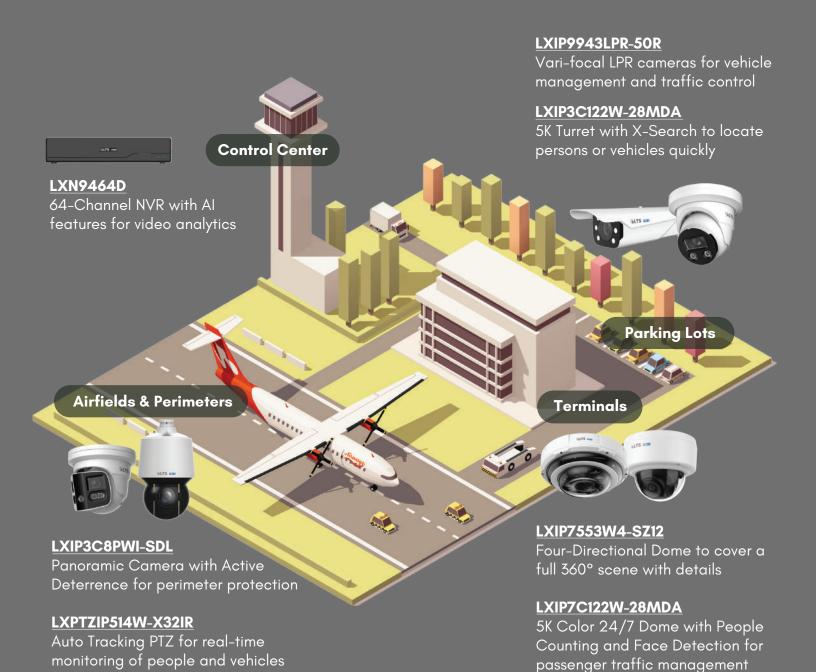
- **Biometric Systems**: Airports are increasingly adopting biometrics to streamline processes such as security checks, check-ins, and passport control. For instance, the US TSA announced plans last year to expand its facial recognition pilot program.

- **AI Technologies**: AI-driven security systems are in high demand. Airports are integrating video surveillance with AI cameras and smart backend analyses to reduce manual checks, freeing up staff for other tasks and boosting efficiency.

A comprehensive security infrastructure creates safe and secure environments for passengers, staff, and airport assets, reinforcing the airport's commitment to safety and operational excellence.

HOLISTIC SOLUTIONS FOR AIRPORTS

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Nowadays, airports require efficient, non-intrusive security systems to handle increased passenger traffic and multiple access points. LTS offers comprehensive solutions to enhance safety and streamline operations, ensuring a secure and enjoyable experience for travelers and staff.

LXIP9943LPR-50R
Vari-focal LPR cameras for vehicle management and traffic control

LXIP3C122W-28MDA
5K Turret with X-Search to locate persons or vehicles quickly

Control Center

LXN9464D
64-Channel NVR with AI features for video analytics

Parking Lots

Airfields & Perimeters

Terminals

LXIP3C8PWI-SDL
Panoramic Camera with Active Deterrence for perimeter protection

LXPTZIP514W-X32IR
Auto Tracking PTZ for real-time monitoring of people and vehicles

LXIP7553W4-SZ12
Four-Directional Dome to cover a full 360° scene with details

LXIP7C122W-28MDA
5K Color 24/7 Dome with People Counting and Face Detection for passenger traffic management

PRO-X FOR SECURITY CENTERS

LTS Pro-X, our newest NDAA-compliant product line, features AI technologies such as X-Search, X-Deterrence, X-Tracking, and more. Pro-X is ideal for Security Operations Centers (SOC) in airports as well as schools, and public sectors.

5K X-Search Cameras
- 5K ultra-high resolution reaches unparalleled clarity
- X-Search technology locates humans/vehicles in seconds
- Hybrid Illumination provides 24/7 color imaging
- Advanced AI features such as Face Detection, People Counting, E-Tracking, and more

Pro-X P2P on X-Station & Mobile App
- Use P2P technology for data security and remote config.
- Enable X-Deterrence and Hybrid Illumination via the app
- Upgrade firmware seamlessly

UPGRADED SECURITY AT A LOCAL AIRPORT

CASE STUDY

Background: A local airport in Georgia needed an upgraded security system to enhance both security and operational efficiency.

Solution: LTS provided a tailored security solution integrating advanced technologies such as 5K X-Search Dome cameras with People Counting for efficient passenger flow management. LPR cameras were deployed for parking and traffic monitoring, complemented by 4-Directional 360° cameras for comprehensive area coverage. To ensure 24/7 perimeter protection, 4K Active Deterrence Panoramic cameras were installed, alongside PTZ cameras equipped with smart tracking for targeted surveillance. The implementation also included ultra-intelligent 64-channel NVRs to enable sophisticated video analytics in the SOC.

Result: The upgraded system has boosted proactive surveillance, streamlined passenger management, and fortified perimeter protection.

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