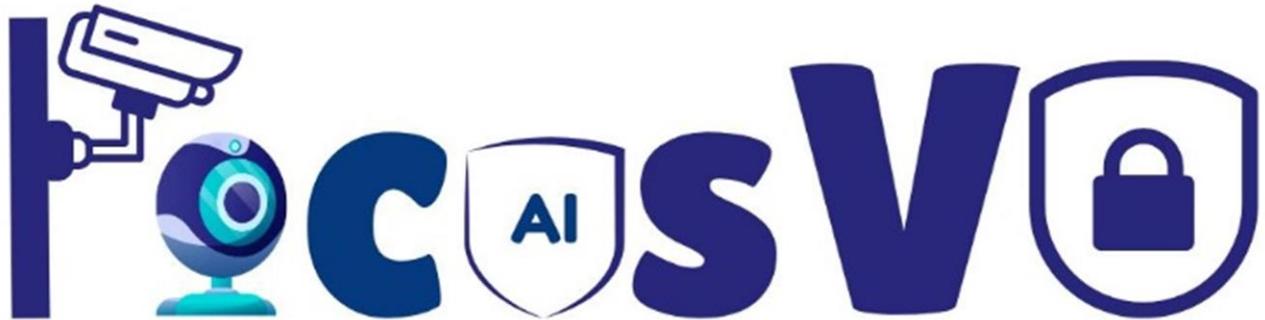# "The Power of Intelligent Vision"

FocusVO
AI

Detect. Decide. Defend, Instantly

The Eye of Future Security

Mr. Sumiit Katyal

FocusVU for Airports

Overview

Airports are high-density, high-security infrastructures that demand uninterrupted surveillance, rapid incident response, and seamless passenger experience. FocusVU.ai offers AI-powered video surveillance tailored for airport environments, enabling authorities to manage security, operations, and crowd control efficiently while reducing human dependency and operational costs.

1. TERMINAL BUILDINGS (ARRIVALS, DEPARTURES, BOARDING GATES)

Problem Statement

- High passenger flow and long queues lead to delayed threat recognition
- Unattended baggage creates panic and disrupts operations
- Manual monitoring lacks consistency and speed in large zones

AI-Powered Solution Table

Area	No. of Cameras	Key AI Features
Arrival/Departure Halls	6	Face Recognition, Crowd Density Monitoring, Loitering Alert
Boarding Gates	4	Object Left Behind, Queue Monitoring
Baggage Claim Area	3	Unattended Baggage Alert, Behavior Analysis

Advantages

- Real-time alerts for unattended objects and overcrowding
- Optimized passenger flow during peak hours
- Reduced false alarms via AI-trained baggage detection

ROI & Financial Benefits

- Reduces operational disruptions by 40–60%
- Cuts down false security interventions by 70%
- Enhances passenger satisfaction and throughput

2. SECURITY CHECKPOINTS & CUSTOMS

Problem Statement

- Manual screening of behaviour and activity at checkpoints is slow
- Human error in detection of suspicious gestures or prohibited items

AI-Powered Solution Table

Area	No. of Cameras	Key AI Features
X-Ray/Metal Detector Zone	4	Suspicious Behaviour Detection, Panic Gesture Alert
Customs Exit	2	Person-of-Interest Identification, Facial Match Alerts

Advantages

- Faster escalation of potential threats
- High-risk passenger pattern recognition
- Digital logs for audit and compliance

ROI & Financial Benefits

- Improved throughput by 20–30% during rush hours
- Reduced screening time and manual resource load
- Lower overhead cost on additional security staff

3. AIRSIDE & RUNWAY MONITORING

Problem Statement

- Risk of unauthorized personnel or vehicle access to restricted zones
- Difficulty in tracking maintenance crew vs unauthorized presence

Area	No. of Cameras	Key AI Features
Airside Vehicle Pathways	4	Zone Violation Alert, Vehicle Identity Tracking
Runway Perimeter	6	Human/Motion Detection, Thermal Imaging Integration
Aircraft Parking Bays	3	Time-Based Monitoring, Intrusion Detection

Advantages

- Prevents runway incursions or near-miss incidents
- Automated alerting improves emergency preparedness
- Centralized dashboard monitoring for airside ops

ROI & Financial Benefits

- Minimizes airside incident penalties and delays
- Cuts down need for physical patrolling by 50%
- Reduces false alarms through behaviour-based AI

4. PARKING LOTS, ENTRY/EXIT ROADS & PERIMETER SECURITY

Problem Statement

- Unauthorized access and theft in public parking
- Manual security staff unable to monitor large outdoor zones

AI-Powered Solution Table

Area	No. of Cameras	Key AI Features
Parking Entry/Exit	4	ANPR (Auto Number Plate Recognition), Vehicle Logging
Public Parking	6	Loitering Detection, Vehicle Theft Alert
Outer Perimeter	6	Fence Intrusion Alert, Thermal Vision (Night Monitoring)

Advantages

- Real-time perimeter defence without physical patrolling
- Evidence capture for disputes or lost items
- Automated ticketing integration possible

ROI & Financial Benefits

- Reduces theft and tampering incidents by up to 70%
- Lowers dependency on manual watchmen/guards
- Better compliance with security SOPs

FocusVU.ai Highlights for Airport Environments

- Military-grade AI with aviation-specific training datasets
- Seamless integration with existing CCTV and access control systems
- Highly scalable from domestic terminals to international hubs
- Intuitive dashboard for multi-zone monitoring
- Support for multilingual alerts and dashboards

Conclusion

FocusVU.ai enables airports to transition from passive video monitoring to proactive threat detection and operational intelligence. With its advanced AI engine, modular design, and centralized monitoring capability, it reduces the burden on human surveillance while significantly enhancing safety, efficiency, and compliance.

For airport-specific demos or integration discussions, visit: **www.FocusVU.ai**