cynapse.ai

cyAir
Agentic AI
Video Intelligence

Airside Safety

Airside Operations

Cargo Terminal Operations

Passenger Terminal Operations

Airport Security

Elevate Airport Safety, Security and Efficiency

cyAir is designed to enhance safety and security by addressing key risks, violations, and threats across airport airside areas, terminals, perimeters, and roads. In addition, cyAir provides regulators, airport operators, and ground handlers with the means to optimize planning, increase efficiencies, and boost productivity. Utilizing advanced Vision AI and Generative AI, cyAir automates responses to safety incidents and security threats, ensuring smooth andsecure airport operations.

cyNeuron
Human-Like Video Understanding With an Intuitive Copilot and AI Agents

Transcends rule-based video analytics, making intelligence accessible with natural language interaction.

Achieve unparalleled video comprehension through proprietary domain-specific Vision Language Models (VLM) alongside other Vision AI technologies that analyze city-specific contexts, understand scenes, identify persons, vehicles, objects, interactions and events, through spatio-temporal analysis.

The Agentic AI layer brings a set of AI Agents that automate complex tasks such as generating incident reports, summarizing video footage and automating case management, all instantly available via cynapse.ai Vision Copilot.
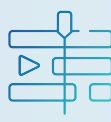
| Alert Agent | Discovery Agent | Q&A Agent | Summarization Agent | Generation Agent | Investigation Agent |

Airside Safety Compliance

Airside Safety
> FOD Walk Verification
> Intrusion or Object in Apron
> Ramp Ladder Verification
> Apron Break Check Verification
> Dollies/Baggage-Trolley Overloading
> Missing Cones
> PPE Verification

Ground Handler SOP Compliance
> Circle of Safety
> Marshalling Compliance
> Harness Verification
> Lifeline Verification
> Handrail Deployment
> Carts Double Stacking
> Door Frisking Verification

Cargo Terminal Operations

Worker Safety
> PPE Detection
> Forklift Close Proximity

Security
> Unauthorized Personnel
> Unauthorized Vehicle
> Strong Room Access Control

Vehicle Safety
> Overspeeding
> Illegal Stopping/Parking
> Illegal Loading/Unloading

Cargo Operations
> Truck Loading/Unloading Count and Time
> Platform Usage
> Pallets Tracking and Counting

Passenger Terminal Operations

Person Monitoring

> Person Identification via Facial Recognition
> Person Appearance, Person Track and Trace, Link Analysis, GDPR Compliant

Security & Safety

> Abandoned and Illegal Objects
> Abnormal Behaviors
> Crowd Anomalies

Crowd Traffic Analysis

> People Counting
> Queue Analysis
> Heatmap

Airside Operations

Aircraft & Vehicle Operations

> Aircraft Landing/Taxiing/Stopping Time and Count
> Arrival and Departure of Vehicles (Baggage-Trolley/Bus/Hi-lifts) Time and Count
> Opening and Closing Aircraft Doors Time and Count

Workers Operations

> FOD Walk Officer Arrival Time and Count
> Safety Officer Arrival Time and Count
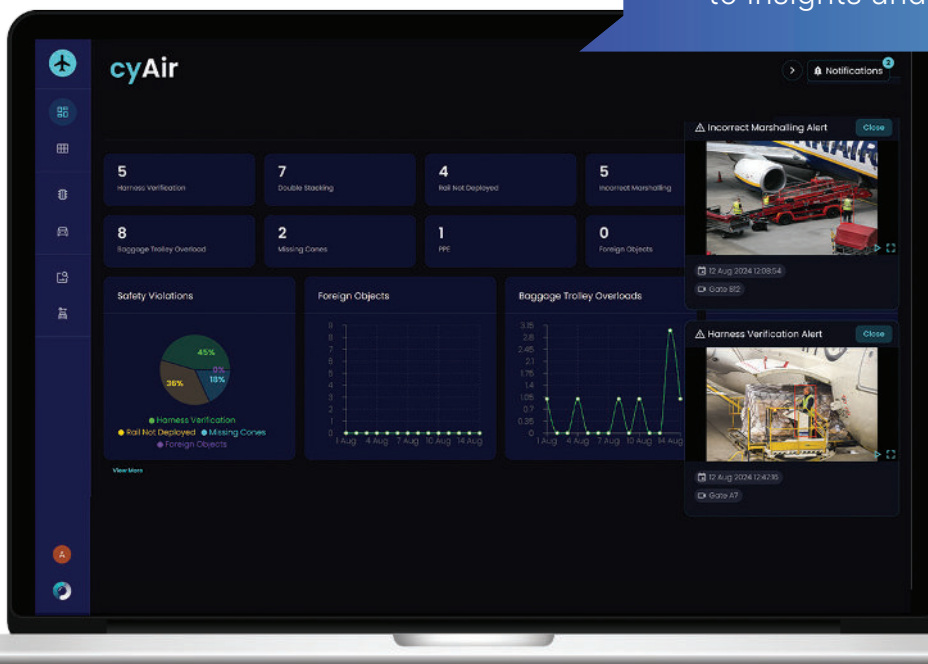> Food Cart Delivery Officer Arrival Time and Count

Airport Security

Anomalies

> Intrusion, Loitering, Fighting
> Fence Climbing
> Fire & Smoke
> Camera Tampering

Access Control

> Unauthorized Personnel
> Restricted Areas Management
> Person Track & Trace, Link Analysis

The cyAir dashboard offers a comprehensive view of video intelligence, providing quick access to insights and events of interest
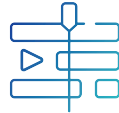
Why cyAir?
Key Advantages

Powered by Agentic AI

Revolutionary Video Understanding

User-Defined Events

Works With Any Video/Visual Source

Vision Copilot with AI Agents

Edge/On-Prem/Cloud

about cynapse.ai

cynapse.ai is a leading provider of Verticalized Agentic AI Video Intelligence solutions, enabling organizations to enhance safety, security, compliance and operational efficiency. cynapse.ai solutions are designed to detect and respond to risks, threats, and violations while uncovering opportunities across smart cities, transportation, seaports, airports, and correctional services. Offering human-like video understanding through cyNeuron and 150+ pre-defined analytics, and turning it into everyday value through AI Agents and an intuitive copilot, cynapse.ai is making video intelligence more powerful and accessible than ever before.

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