cynapse.ai

cyAir
Video Intelligence Suite for Airports
Powered by Generative AI

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.

cyVisionGPT
Revolutionary Video Understanding with an Intuitive Copilot

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

cyVisionGPT delivers unmatched video comprehension through proprietary domain-specific Video Language Models (VLM) that analyze industry-specific contexts. cyVisionGPT understands scenes, and identifies objects, interactions and events through spatio-temporal analysis. With cynapse.ai copilot, users benefit from Large Language Models (LLM) to interact with video data through natural language, define new use cases, search historical footage, and generate reports and summaries - making advanced video intelligence both accessible and intuitive.

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
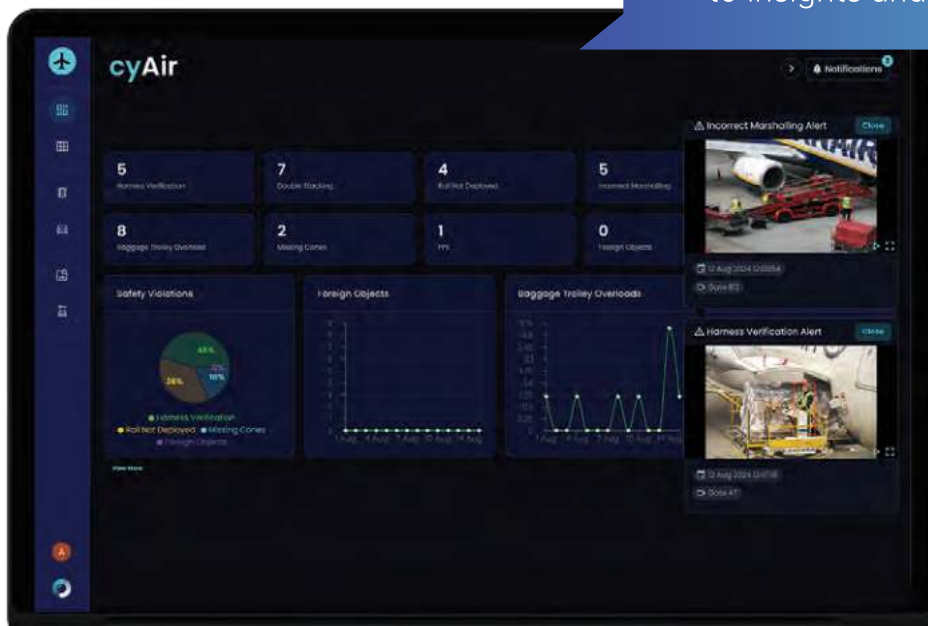> Food Cart Delivery Officer Arrival Time and Count

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
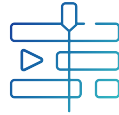
Why cyAir?
Key Advantages

Powered by Generative AI

Revolutionary Video Understanding

User-Defined Alerts

Works With Any Video/Visual Source

Vision Copilot

Edge/On-Prem/Cloud

about cynapse.ai

cynapse.ai is a leading provider of verticalized Video Intelligence Solutions powered by Generative AI. With its vertical suites, cynapse.ai empowers organizations to enhance safety, security, compliance, and operational efficiency. The cynapse.ai platform is designed to detect and respond to risks, threats, and violations while uncovering opportunities across smart cities, transportation, seaports, airports, and correctional services. With over 150 predefined analytics and the cutting-edge cyVisionGPT, a domain-specific, video-understanding Generative AI engine, cynapse.ai is making video intelligence more powerful and accessible than ever before.

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