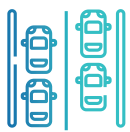




cyRoad

Agentic AI Video Intelligence



Traffic &
Junction
Analysis



Road
Violation
Enforcement



Roadwork
Safety &
Productivity

Road, Traffic and Roadwork Monitoring, Analysis, and Violation Enforcement

cyRoad Agentic AI Video Intelligence is designed specifically for road and junction traffic analysis, road safety violations enforcement and roadworks compliance. Leveraging the cutting-edge cyVisionGPT engine alongside cyVisionAI analytics, cyRoad empowers land transportation authorities, municipal transportation departments, road operators, traffic police and roadwork owners to efficiently monitor, analyze, and enforce safety and traffic regulations and optimize traffic flow.

cyVisionGPT

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 road and traffic-specific contexts, understand scenes, identify vehicles, persons, 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.



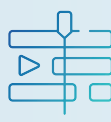
Alert Agent



Discovery Agent



Q&A Agent



Summarization Agent



Generation Agent



Investigation Agent



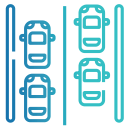
Automate Enforcement and Minimize Risk

Road Safety Violation Enforcement

- Driving in Bus Lane
- Driving in the Wrong Lane/Direction
- Illegal Overtaking
- Illegal Parking
- Illegal Reversing
- Illegal Stopping
- Illegal Turn
- Illegal U-Turn
- Illegal Wait / Drop off / Pick Up



- Not Stopping at Pedestrian Crossing
- Not stopping at Stop Line
- Overspeeding
- Red Light Crossing
- Stopping at the Carriageway
- Stopping or Driving on the Shoulder
- Vehicles Below Minimum Speed in a Fast Lane
- White Line Crossing



Road & Junction Traffic Monitoring and Analysis

Traffic volume

Average speed, directional count, congestion, queue length, wait time

Vehicles

Counting, classification, lane, direction, path, speed, LPR

Pedestrians

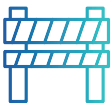
Counting, gender & age, lane, direction, path, grouping, crossing

Micromobility devices

Counting, classification, lane, direction, path, speed, rider gender & age, helmet, LPR

Incidents

Abnormal events, accident events, near-misses events, non-compliance events



Roadwork Safety Enforcement and Productivity Monitoring

Increase Road Safety

- Barricades and Cones Compliance
- Worker PPE Compliance

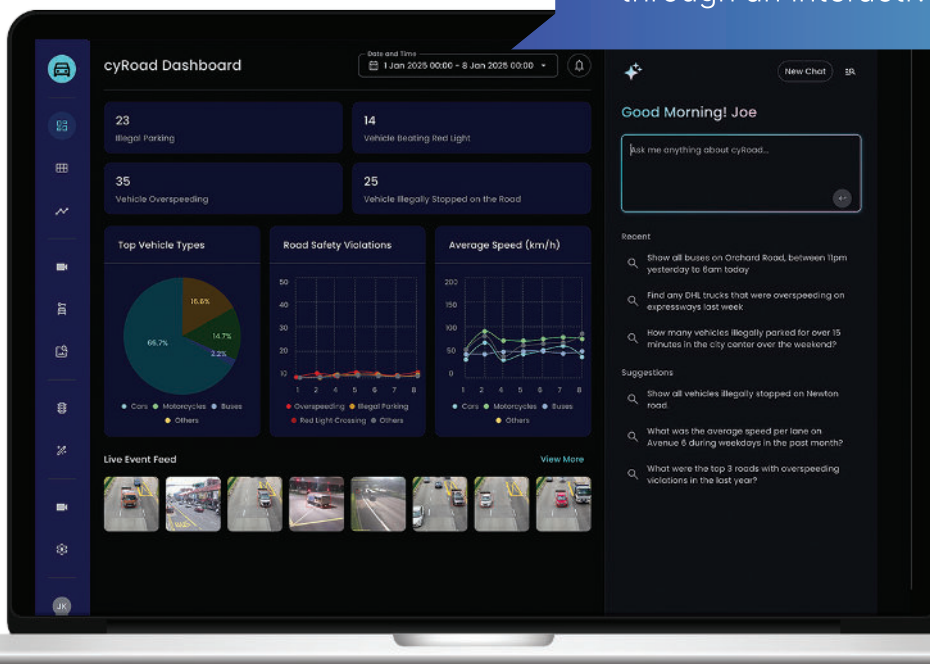
Minimize Impact on Traffic Flow

- Congestion and Slow Traffic in Lane

Maximize Productivity

- Work Start/End Time
- Worker Counting

The cyRoad dashboard delivers a comprehensive view of video intelligence, with quick access to insights and events through an interactive copilot

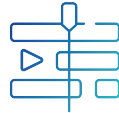


Why cyRoad?

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 cyVisionGPT 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.



cynapse.ai