



cyMicromobility

Video Intelligence Suite for Micromobility Safety

Powered by Generative AI



Traffic Analysis



Lane Safety



Violation Enforcement

Micromobility Traffic Monitoring & Violation Enforcement

cyMicromobility is designed for urban micromobility traffic analysis, anomaly detection, and safety violations enforcement. It empowers city transportation departments, municipal authorities, and traffic operators to enhance road safety and optimize traffic flow in bicycle lanes and roads. By automating the detection of risky behaviors, violations, and anomalies involving micromobility devices, it ensures a safer environment for all road users while supporting better urban planning and sustainability.

cyVisionGPT

Revolutionary Video Understanding with an Intuitive Copilot

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

cyVisionGPT delivers unmatched video comprehension through proprietary domain-specific Video Language Models (VLM) that analyze industry-specific contexts. cyVisionGPT understands scenes, 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.



Micromobility Traffic Monitoring & Analysis



Micromobility Traffic

- Total/Average Count per Segment/Street/Lane
- Max/Average Speed per Segment/Street/Lane
- Travel Time per Segment/Street/Lane
- Heatmap & Reports

Pedestrians

- Counting
- Gender & Age
- Lane
- Direction
- Path
- Anonymization

Micromobility Device

- Classification
- Lane
- Direction
- Path
- Speed
- Rider Gender & Age
- Helmet
- LPR
- Rider Anonymization





Bicycle Lane Anomaly Detection

cyMicromobility provides continuous monitoring of risks and hazards to ensure safe and smooth rides for lane users.

- Object/Hazard Blocking the Lane
- Crowd Blocking the Lane
- Fallen Rider
- Motorcycle in Lane
- Unauthorized Vehicle in Lane



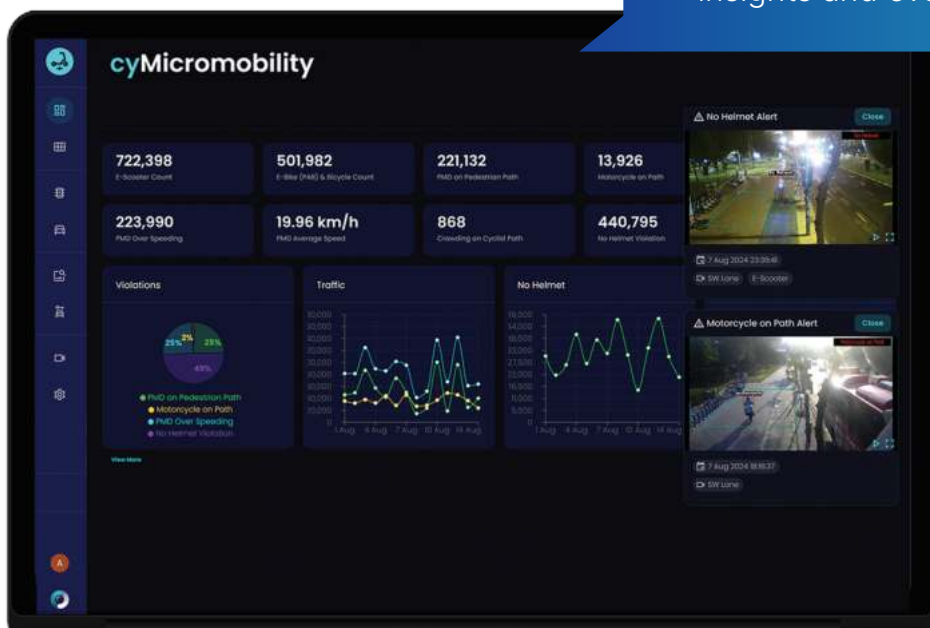
Safety Violation Enforcement

cyMicromobility transforms road safety and compliance with automated micromobility violation detection and enforcement.

Safety Violations

- Riding in Wrong Lane/Direction/Road
- Over Speeding
- Riding without Helmet
- Riding with No Light
- Pillion Riding
- LPR

The cyMicromobility dashboard offers a comprehensive view of video intelligence, providing quick access to insights and events of interest

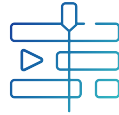


Why cyMicromobility?

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.



cynapse.ai