VERALYTIX
LIVE

Real-Time Continuous Safety Monitoring

Predictive Road Safety Intelligence

TRANSOFT SOLUTIONS

Why Real-Time Safety Intelligence Matter

Continuous Monitoring Delivers Superior Results

Real-time safety monitoring represents a fundamental advancement in traditional traffic management—enabling crash prevention through continuous observation and predictions rather than post-incident response. Continuous predictive intelligence provides transportation professionals with real-time actionable insights and situational awareness needed to reduce incidents and keep traffic flowing safely and efficiently.

Prevent Incidents Through Continuous Intelligence

Transform your safety management approach with VERALYTIX Live, the advanced real-time safety monitoring platform that shifts transportation safety from reactive to predictive. Through continuous conflict detection and real-time crash prediction models accessible via an intuitive web dashboard, transportation professionals can instantly identify emerging safety risks, monitor high-risk behaviors, and deploy targeted interventions—all through live, continuous monitoring.

VERALYTIX Live—combining **veracity** (truth), the Latin **ver** (to see) and **analytics**—delivers truth in analytics through continuous monitoring, providing transportation professionals with the reliable, real-time intelligence needed to make informed safety decisions that protect all road users and advance Safe Systems principles.

Benefits

Continuous & Live

The video data captured in VERALYTIX Live undergoes continuous processing and is uploaded live, making 24/7 predictive safety results accessible for any time-sensitive requirements and decisions to prevent potential traffic accidents before they happen.

Efficient Integration

VERALYTIX Live can utilise your existing connected cameras and be integrated into your Traffic Management Centre for optimised safety monitoring and operational efficiency.

Enhanced Dashboard

Analytics are accessed through an intuitive online dashboard that offers a user experience tailored to applications requiring continuous safety analysis, streamlining the decision-making process with predictive intelligence.

Data-Driven

VERALYTIX delivers truth in analytics, capturing insights such as traffic conflicts, crash predictions, safety violations, and behavioural trends, to identify potential collisions and their causes before they happen, enabling a data-driven and proactive approach to actionable safety improvements.

Customizable Alerts

VERALYTIX Live allows you to set personalised, automated alerts, allowing you to receive instant notifications when risks arise, enabling you to act quickly without constantly monitoring the feed.

Comprehensive

Every road user passing through your video view is detected, identified, and classified across multiple classifications, including vulnerable road users like pedestrians, cyclists, and e-scooter users - ensuring comprehensive safety decision-making that protects all road users.

Applications

Enhance Traffic Management

Expand capabilities by incorporating VERALYTIX Live into current systems for improved:

- Network-wide safety monitoring
- Investment prioritisation
- Real-time countermeasure deployment
- Countermeasure validation
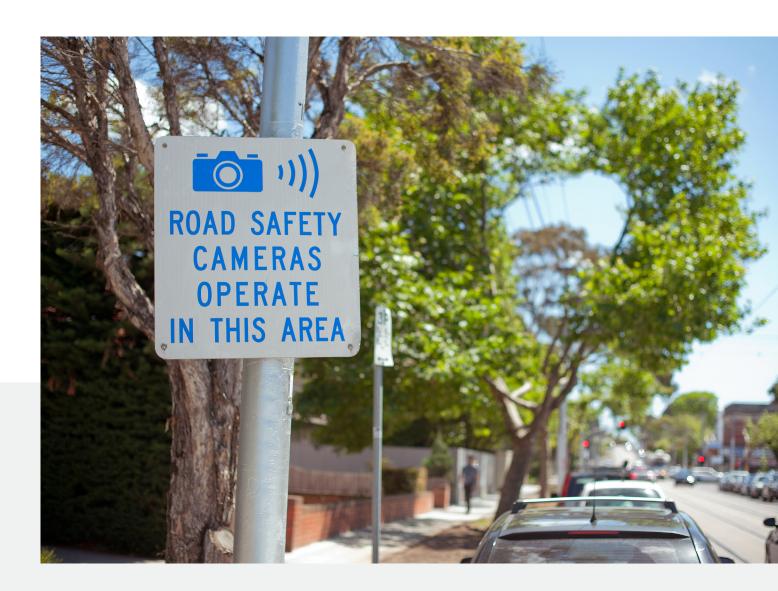
Support Real-time Decision Making

Utilise the continuous inflow of safety intelligence, including live alerts, to make the most up-to-date decisions on:

- Proactive safety management
- Emergency response coordination
- Traffic operations
- Incident prevention strategies

Monitor High Risk Locations

Proactively monitor and consistently analyse high-risk sites for real-time data such as:

- Traffic conflicts and crash prediction
- Speeding and aggressive driving behaviors
- Vulnerable road user interactions
- Safety violation patterns

Observe Safety and Operational Trends

Evaluate network-wide changes in safety performance at each location to observe conflict patterns and better predict trends related to:

- Crash risk movements and severity
- Seasonal safety variations
- Traffic flow safety implications
- Vulnerable road user exposure

Supported Browsers
& System Requirements

For details on supported browsers and system requirements, please visit the product compatibility section using the QR code below.