

# Real-Time Continuous Safety Monitoring

Predictive Road Safety Intelligence



# 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

## 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

## 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

## 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.



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