

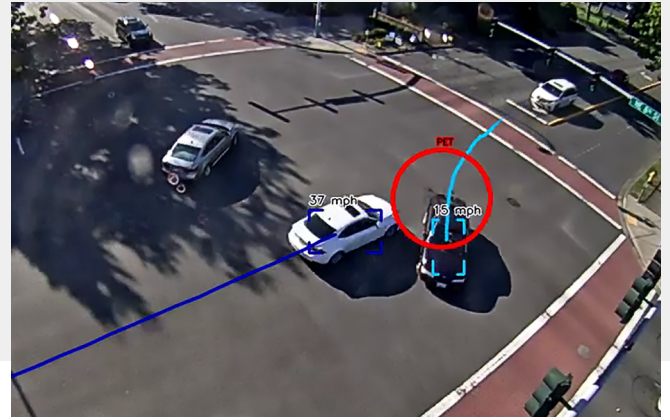
Video Intelligence for Safety and Operations

Take a proactive approach
to data-driven decision support



Technology for the Safe Movement of All

Transoft Solutions is the leader in video-based technology to enhance traffic safety. Our advanced platform detects dangerous interactions between all road user types to help practitioners predict, diagnose and address today's safety challenges without waiting years for crash data.



Benefits

Our VERALYTIX product suite is a video analytics platform incorporating computer vision and artificial intelligence to proactively identify safety risks. VERALYTIX identifies and classifies every user of the transportation system, including cars, trucks, rail, buses, vans, motorcycles, cyclists, and

pedestrians, analyzes their trajectories, calculates their speeds, and identifies conflicts between them. This approach allows decision-makers to proactively quantify the safety risks at a single location or across an entire system.



Proactive

Enhance crash data with safety analytics to quantify conflicts, analyze potential collisions and identify contributing factors, allowing for more effective countermeasure selection and mitigation before the collisions happen.



Fully Automated

Our solutions automate the process of detecting and calculating traffic and safety analytics, ensuring reliability, consistency, and efficiency.



Highly Versatile

Our system takes video from virtually any camera or video source, resulting in easier and more flexible deployment.



Scalable

Our product suite can be applied to evaluate a single intersection, a corridor, a full city or even larger system for one-time / short-term analysis, long-term monitoring, and even real-time safety-based traffic operations.



Data-Driven

Capture your data in video and process using AI – all analytics and outputs are based on your real data, quantifying the details on traffic flow, safety-related events, violations, and other trends to ensure a data-driven approach to actionable insights.



Comprehensive by Design

Every road user passing through your video view is detected, identified, classified, and analyzed across 13 classifications, including bikes, pedestrians, and scooters – ensuring the most vulnerable road users are incorporated into safety decision-making.

Solutions to fit your safety analysis needs

Pinpoint safety issues and reduce your analysis timeframe by years. With VERALYTIX, traffic engineers and planners can produce surrogate safety metrics to prioritize the most

high-risk sites, identify contributing crash factors, and evaluate the impacts of built countermeasures without having to wait for crash data.

VERALYTIX comes in two different types depending on your needs:

VERALYTIX
PULSE

Video analytics to identify safety concerns

The world's foremost video analytics platform for proactive road safety management. Use prerecorded video or install temporary cameras to complete traffic studies at any location to identify and mitigate safety issues.

VERALYTIX
LIVE

Continuous 24/7 network safety monitoring

Advanced application that uses existing connected camera networks to provide continuous conflict analytics. A live central system for collecting data, 24/7 video processing, custom alerts, and access to results through an online dashboard allow road safety professionals to manage road safety continuously and proactively.



Platform Compatibility

- VERALYTIX is a web-based application that does not need any additional system requirements.
- VERALYTIX works from your web browser, no CAD platform or installation needed.
- VERALYTIX accepts Chrome, Explorer, and Firefox web browsers.

System Requirements

- High-speed internet connection



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to learn more**

