

# Systemwide Integrated Safety Monitoring

Take control of your city and roads by using infrastructure-based monitoring. TrafXSAFE Connect provides continuous and live monitoring of intersections, roadways, shared use paths, open spaces, etc. It produces traffic and safety analytics by leveraging your connected camera infrastructure. Live 24/7 video processing and access to results through an online dashboard allows road safety professionals to continuously and proactively monitor road safety, measure and compare changes in traffic and safety over time, and receive notifications about specific events of interest.



## Benefits

TrafXSAFE Connect provides traffic operators, managers, and decision-makers with a proactive, continuous, and live central system for collecting data, monitoring road safety, and identify trends requiring system changes to support comprehensive operational decision making.



### Continuous & Live

The video data captured in TrafXSAFE Connect undergoes continuous processing and is uploaded live, making the 24/7 results accessible for any time-sensitive requirements and/or decisions to mitigate potential traffic accidents.



### Efficient Integration

TrafXSAFE Connect can utilize your existing connected cameras and be integrated into your Traffic Management Center for optimized system monitoring and efficiency.



### Enhanced Dashboard

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



### Data-Driven

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



### Comprehensive

Every road user passing through your video view is detected, identified, and classified across 18 classifications, including bikes, pedestrians, and scooters – ensuring the most vulnerable road users are incorporated into safety decision-making.



### Proactive

Enhance crash data with safety analytics to identify potential collisions and causes before they happen.



# Applications

## Monitor High Risk Locations

Proactively dial in on and consistently monitor high-risk sites for data such as:

- Conflicts
- High speeds
- Traffic density
- Pedestrian crossings

## Support Real-time Decision Making

Utilize the inflow of information, including live alerts, to make the most up-to-date decisions on items such as:

- Safety Management
- Traveler Information
- Traffic Operations

## Observe Safety and Operational Trends

Evaluate systemwide changes in risk exposure at each intersection to observe conflict patterns and better predict trends related to:

- Movements
- Seasonality
- Traffic flow

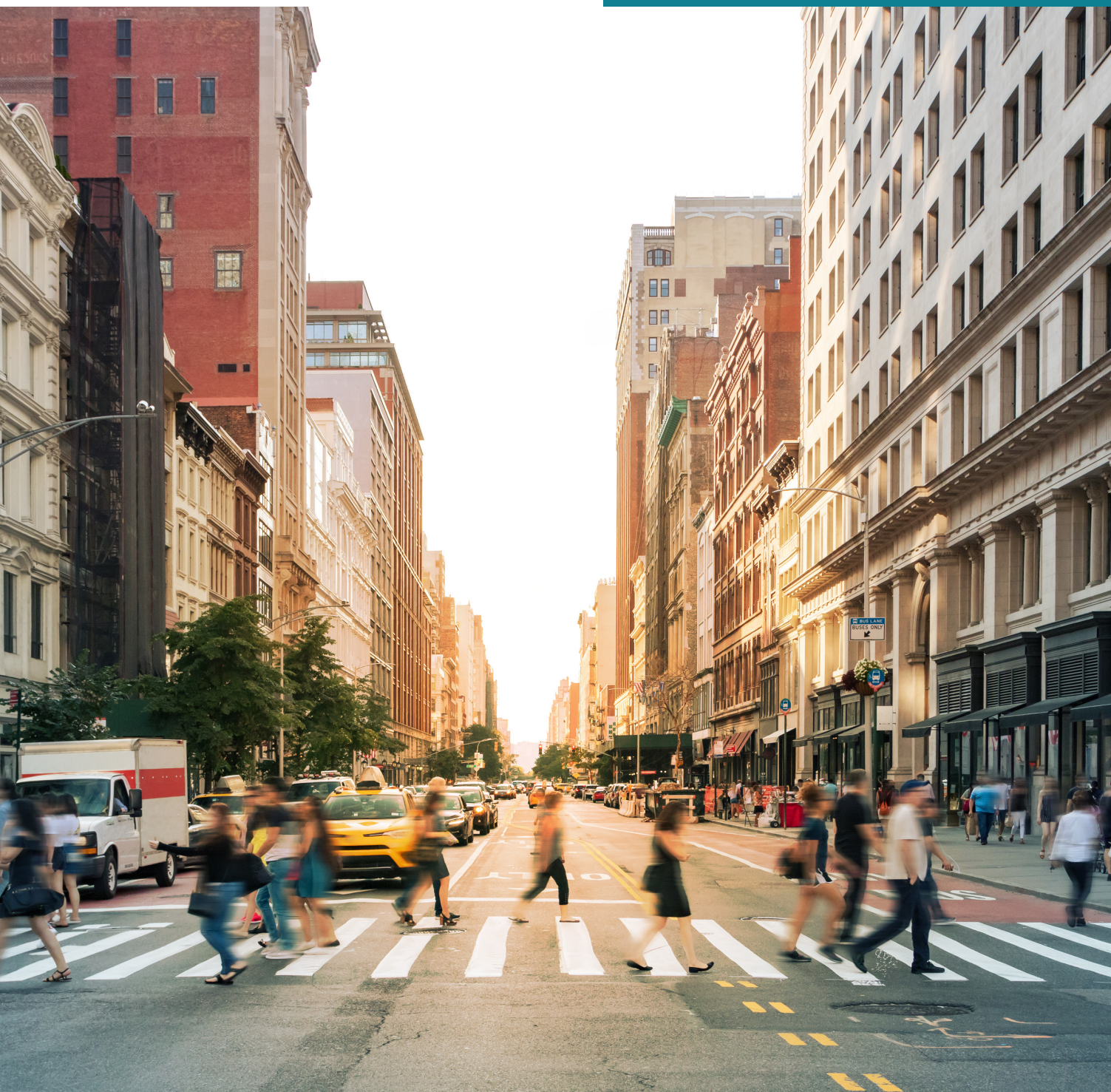
## Enhance Traffic Management

Expand capabilities by incorporating TrafXSAFE Connect into current systems for easier:

- Systemwide Monitoring
- Investment Prioritization
- Countermeasure Validation







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