Brisk**VANTAGE**

Continuous Analysis of Road Safety

The BriskVANTAGE platform from Brisk Synergies applies continuous deep learning analytics on traffic video to assist transportation professionals trying to reach their Vision Zero goals to prevent vehicle, pedestrian and cyclist collisions, and improve road safety.

The secure, cloud-based Brisk dashboard reports on actionable, predictive data on near-miss collisions and traffic flow in near real-time from video-monitored intersections on your roadways. Video from any of the control center's connected cameras are analyzed according to the pre-defined scenarios such as near-miss collision rates and vehicle car speed. The platform monitors traffic patterns over time so city engineers can gain deep understanding of road traffic and safety conditions over time.

Predictive

Near-miss collision analysis enables the prediction of safety incidents before they happen instead of the current environment of reacting to understand and report on traffic incidences

Detailed, visualized web-based dashboard

Easy-to-use dashboard results are visualized as charts, graphics and links to video snippers for each conflict analysis scenario

Cost Effective

Get ahead of the curve with continuous monitoring to reduce your requirements for manual data collection methodologies and lengthy incidence reporting studies

Simple Connected Camera Integration

Capable to work easily without affecting normal camera operations with any permanent or temporary camera in the network`

Multiple Scenarios

Each camera can process multiple scenarios with associated parameters

1	2	3
Save traffic video recordings each night.	Process each video for the defined scenarios.	Daily dashboard reports, charts & snippets.

The BriskVANTAGE Continuous Traffic Monitoring Platform works right in your traffic managment centre or in the cloud

Generate Actionable Results

Consolidated dashboard: Continuous, automated reporting of video data conflict observations for all defined scenarios between vehicles, pedestrians and cyclists.

Trend analysis: Monitor specific trouble spots and provide historical analysis, including day-to-day comparisons, day-of-week comparisons and rush hour comparisons.

Detailed conflict analysis: Time to Collision (TTC) and Post Encroachment Time (PET) analysis applied.

Conflict videos and hot spot: Conflict video snippets categorized based on risk. Heat-maps highlighting areas where conflicts observed.

Adjustable retention parameters: Adjustable retention parameters: All collected data can be deleted immediately after use or archived based on transportation department policy.

Safety and congestion correlation: Monitor congestion and speeding effects on safety.

Key Applications

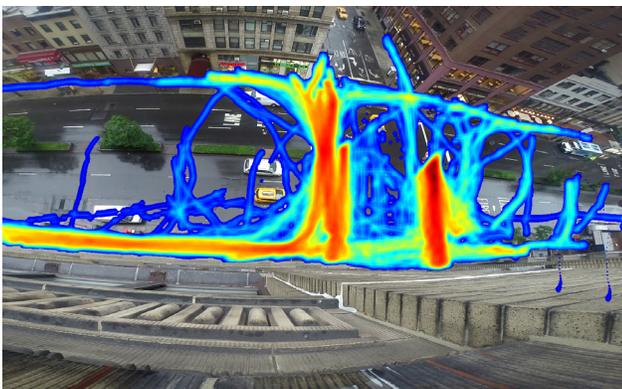Monitor vehicle "near-misses" with pedestrians and cyclist at busy intersections

Measure excessive speed for each time of day and set alerts

Assessing "before and after" safety improvements in vehicle conflict scenarios with pedestrians, cyclists and other vehicles at intersections

Capture jaywalking patterns and potential countermeasures

Measure excessive speed for each day and set alerts

Capture Jaywalking patterns

Monitor vehicle "near misses" with pedestrians and with bicycles