

Traffic monitoring systems generate video streams, images and a large amount of data. Intellio's Traffic Monitoring Suite provides actionable, up-to-the minute traffic information, event detection and analysis, including reports. Intellio TMS is an integrated traffic monitoring and analytics solution consisting of hundreds of high-resolution IP-cameras with a range of event detection algorithms located on board each Intellio camera and integrated into a comprehensive camera management system designed to handle hundreds of cameras as one system.



Intellio's TMS is an all-in-one, simple, cost-effective solution: it does not require road construction for installations and additional equipment to verify data, as in the case of some specialized security detectors. Since critical security events are monitored and detected by on-board detectors in each Intellio camera, systems operators get the benefit of an intelligent system and the economic benefit of lower investment, expansion and maintenance costs due to lower bandwidth requirement for the system as a whole. Intellio's TMS detects the direction, speed, license plate number and location of vehicles, analyzes and alerts to critical events and reports to the operator. Intellio TMS provides not just data streams but customized reports and/or real-time monitoring dashboards.

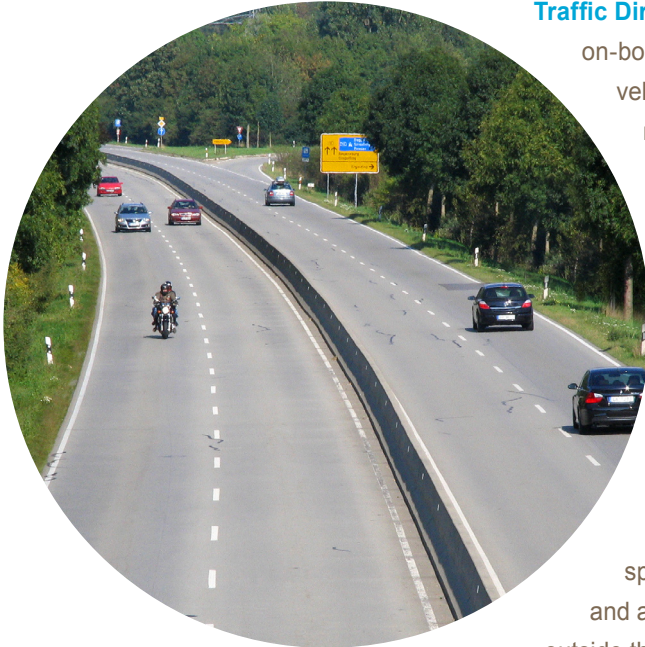
## MONITORING

The Intellio System Software enables the user to monitor hundreds of cameras simultaneously without missing any critical events. Camera images where an alarm has been triggered will automatically be shown and both audio and visual cues will alert the user of a critical event taking place. With monitor wall support and Intellio's detectors, one operator will be able to manage and handle hundreds of cameras lowering human resource and operational needs of traffic monitoring. Traffic data feeds, monitored or recorded by the Intellio System, can be tracked real-time or used to generate analytical reports over any given period.



## DETECTION

**Traffic Obstacle Detector** – In case of an accident or natural disaster, objects might remain on the roads for a prolonged period of time. Intellio's Traffic Obstacle Detector detects obstacles on roads which might disrupt or endanger normal traffic flows. Intellio's Traffic Obstacle Detector can detect these objects and allow swift response to these events. Faster response times and early detection ensures less interruption to normal traffic flows.



**Traffic Direction Detector** – Intellio TMS cameras are fitted with on-board detectors to immediately alert the operator to a vehicle moving in the wrong way on highways and exit/entry ramps and enables a swift response by authorities to prevent accidents.

**Restricted Area Protection** – Intellio’s restricted area protection detector allows cameras to monitor service lanes and other restricted areas for unauthorized traffic and instantly alert the operator to these events.

**Speed Detector** – Intellio’s cameras are able to monitor lanes separately for traffic speeds. The 15-minute average speed is always displayed on the monitor for each camera, and alarms are sent when the average speed of the cars is outside the pre-defined optimum range. Each camera can monitor vehicle speed based on five vehicle categories. This means that average speeds can be monitored and reported separately for the five vehicle categories.

**Traffic Counting Detector** – With Intellio’s solution, traffic counting does not require dozens of people or highly specialized sensors, no road construction to install and no additional equipment to verify data (as in the case of infrared detectors). Intellio’s on-board embedded Traffic Counting Detector counts passing vehicles based on five different vehicle categories. Average traffic densities are always displayed on each camera picture and alarms can be set up to go off when the density of the traffic goes above a certain level.

**License Plate Recognition** – Intellio TMS cameras are capable of license plate recognition with a special add-on module from Adoptive Recognition Hungary, a global market leader in license plate recognition technology. ARH’s license plate recognition technology is a proven, precise LPR software which has been installed in airports, highways and office buildings around the world.

## REPORTING

The Intellio TMS takes care of statistical reporting as well. A special query function lets you create statistical reports to improve the quality of traffic management decisions. Statistics can be monitored real time as a traffic monitoring dashboard or created for a given period of time regarding traffic densities, average speeds, classification of traffic by vehicle type, etc.

