



# Citilog CT-TE Analytics

## Analytics for traffic optimization and intersection control

### Analytics for Traffic Efficiency

**Citilog CT-TE Analytics** monitors traffic at intersections in order to optimize traffic light cycles and thus enhance mobility.

It is the solution of choice for cities and Smart City projects wanting to improve mobility by taking advantage of the latest overhead detection technologies.

### Technology

**CT-TE Analytics** benefits from 20 years of experience in the field of video analytics applied to Traffic Efficiency and intersection control.

**CT-TE Analytics** is thus able to achieve high accuracy of traffic counts, presence detection and queue measurement under extreme weather and light condition.

### Benefits

**CT-TE Analytics** is a strong alternative to inductive loops.

It is a durable, flexible and evolutive solution that can be easily reconfigured if the traffic lane scheme at any particular intersection needs to be altered. Data is easily communicated to the traffic controller or integrated to the Traffic Management System.

### FUNCTIONS

- Presence detection
- Stop-bar detection
- Advanced detection
- Loop emulation
- Queue detection
- Gridlock detection
- Gridlock prevention

### TRAFFIC STATISTICS

- Vehicle counts
- Vehicle classification
- Average speed
- Occupancy
- Levels of service
- Headway

### APPLICATIONS

- Intersection control
- Real time traffic light optimization
- Smart traffic lights
- Inductive loop replacement
- Ramp metering

Optimizing the cycle of traffic lights for intersection control is more important than ever especially with the development of Smart Cities: for mobility but also to preserve the environment by reducing emissions of pollution and greenhouse gases.



In a Smart City project, it is important to optimize resources and technology. Using video surveillance cameras to optimize traffic is both a sustainable & cost effective way to implement intersection control and traffic light optimization.



Real time detection of queue build-up at tollways help highway operators to manage customers experience and satisfaction. Off-ramp queue detection prevents accidents on highways and urban freeways.



## Technical specifications

Edged-based analytics	<b>CT-TE Analytics</b> can operate embedded into a large selection of Axis cameras
Artificial intelligence	<b>CT-TE Analytics</b> is compatible with any traffic controller or traffic management system through traffic controller board accessories and/or standard communication protocols

**Citilog CT-TE Analytics** is a state-of-the-art, flexible and evolutive alternative to inductive loops for Traffic Efficiency and Active Traffic Management.

### Optimizing traffic with CT-TE Analytics

Traffic statistics provided by **CT-TE Analytics** are easily integrated into any Traffic Management System.

**Traffic Controller Interface** and **VideoTrack X CIU** are traffic controller boards that provide a standard and universal interface with any traffic controller.

**CT-CDK** is a set of standard and dedicated protocols designed to interface directly over IP with traffic controllers, without any additional hardware or directly with Traffic Management Systems.

### Easy implementation on any infrastructure



**CT-TE Analytics** can operate inside selected Axis cameras.

Compatible cameras can be found on our website.