Citilog CT-IM Analytics

The industry's most advanced Automatic Incident Detection

Analytics Incident Management Citilog CT-IM Analytics performs Automatic Incident Detection (AID) and Traffic Statistics as an automation tool for traffic management centers monitoring highways, bridges and tunnels.

CT-IM Analytics provides fast & reliable automatic real time incident detection with alarms and associated video evidence of incidents within seconds of an occurrence.

Technology

CT-IM Analytics benefits from the combination of 20 years of experience and the introduction of the latest Artificial Intelligence technologies available in the market. Combined with Citilog Applied Deep Learning (**CT-ADL**) it is able to maintain high detection rates and achieve unprecedented low false positives even under extreme weather and light condition.

Benefits

As the requirements for safety and mobility grow in traffic management, the detection accuracy and low false positive of **CT-IM Analytics** combined with **CT-ADL** makes it a powerful and reliable tool for any traffic operation center. Its unique capabilities of combining deep learning and edge processing makes it a reference in terms of cost to performance ratio.

INCIDENT DETECTION	TRAFFIC STATISTICS	APPLICATIONS
Stopped vehicle	Vehicle counts	Tunnel safety
Congestion	Vehicle classification	Bridge safety and mobility
Wrong way	Average speed	Highways & Tollways mobility
Slow vehicle	Occupancy	Managed lanes (HOV – HOT)
Visibility	Levels of service	Dynamic emergency lane
Objects/debris	Headway	Video Management & Recording
Pedestrian		Accident analysis

In a tunnel, reducing reaction time to incidents can save lives and considerably minimize damages and loss.
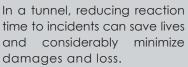**CT-IM Analytics** brings you nearly instant alerts that help you keep a single accident or stopped vehicle from escalating into a far more serious situation.

Quick detection of incidents makes it easier for Traffic Control Centers to avoid secondary incidents and prevent congestion. Managed highways, dynamic emergency lanes, entry and exit ramps are all critical areas benefiting from **CT-IM Analytics** and automated incident detection.

Bridges are particularly sensitive sections of your infrastructure, which require continuous monitoring and fast and reliable detections. The combination of visual surveillance cameras and the **CT-IM Analytics** is an essential component of bridges traffic management.

Technical specifications

Analog and IP video	**CT-IM Analytics** can operate on any existing analog or IP video streams
Edged-based analytics	**CT-IM Analytics** can operate embedded into a large selection of Axis cameras
Artificial intelligence	**CT-IM Analytics** can be used with the **CT-ADL** technology (Citilog Applied DeepLearning). **CT-ADL** uses artificial intelligence and deep learning technology to significantly increase the performance of incident Management solution

CT-IM Analytics leverages Artificial Intelligence and is specifically targeted towards ensuring that modern traffic management operations run efficiently and accurately for optimal performance capability.

Operating Incident management

Detections and traffic statistics provided by **CT-IM Analytics** are managed by **CT-Center**, a centralized software suite providing advanced tools for configuration, tuning and smart-filtering of alarms.

CT-Center Client is a state-of-art Graphical User Interface for traffic operators that enables an efficient operation of the Incident Management System 24/7.

Citilog Incident Management solution interfaces very easily with Traffic Management Systems and Video Management Systems to provide a seamless integration into existing or new traffic operations.

Multiple implementation modes

CT-IM Analytics can operate on standard servers or virtual machines that can be sourced locally.

CT-IM Analytics can operate inside selected Axis cameras. Compatible cameras can be found on our website.

System architectures are available with full-redundancy or hot-standby redundancy, possible at all levels allowing the Incident Management System to operate 24/7 in all circumstances.

Find your Citilog representative and our local Value-Added Resellers at **www.citilog.com**

CONTACT