

SMART CCTV

Traffic Technology Newsletter December 2010.

We are very pleased to have just been appointed in as Citilog's Value Added Reseller for the UK



Eric Toffin, VP of Sales at Citilog, commented *"the combination of Citilog's leading edge product range of video based incident detection systems and above ground sensors combined with Smart CCTV's proactive approach will bring enormous benefits to Highways Authorities and the System Integrators in the UK."*

Due to the importance we at Smart CCTV give to this agreement we intend to concentrate on the Citilog product range in this issue of the newsletter.

MediaTunnel

MediaTunnel allows fast automatic real time incident detection in a tunnel with an alarm and on-screen highlighting (audible and visual) of incidents within a few seconds of an incident occurring.



The technology limits the risks of secondary accidents and enables

proactive responses to minimise danger to people and infrastructure damage. Limiting the risk of secondary accidents is made possible by providing warnings to on coming drivers. MediaTunnel enables the detection of stopped and slow moving vehicles in free flowing traffic situations and stopped vehicles in congested traffic. Citilog's product goes even further, allowing monitoring that detects:

- Pedestrians
- Wrong way vehicles
- Debris
- Loss of visibility and smoke detection

Permanent digital recording allows post-incident auditing and assessment.

MediaRoad

MediaRoad is an outdoor video-based Automatic Incident Detection (AID) System for roads. It is able to differentiate between free flowing and congested traffic conditions and provides a similar set of functions (excluding the poor visibility detection function) as MediaTunnel.

MediaRoad utilises fixed camera technology and detects roadway incidents, in real time, through a proactive approach to:

- Improve road safety
- Reduce secondary accidents
- Reduce the negative economic, social and environmental impact from traffic congestion

VisioPaD

VisioPaD is a video-based Automatic Incident Detection (AID) System based on PTZ camera infrastructure. It uses existing cameras to identify incidents and accidents on roadways and provides quick alarms to Traffic Control Centres. VisioPaD is the sole worldwide product that operates exclusively with PTZ cameras and:

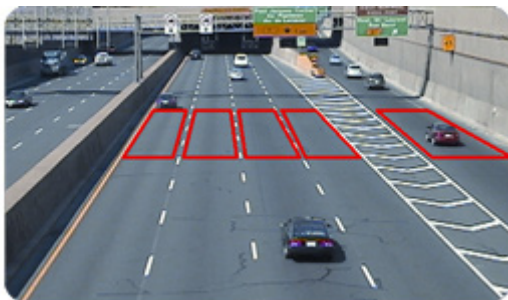
- Is self-calibrating
- Does not require setup or configuration



By implementing VisioPaD, traffic control centres can efficiently monitor dozens to hundreds of video feeds. VisioPaD automatically monitors and detects incidents for you in real time, enabling a proactive approach to the monitoring needs of traffic operations.

MediaTD

MediaTD is software for Traffic Data Collection, including vehicle counts, vehicles classifications, occupancy, headway and speed. MediaTD provides reliable data for traffic data collection, statistics and planning. MediaTD is an "above ground" detection technology that replaces in-ground inductive loops.



The management of urban traffic today is more and more complex as traffic and congestion continues to grow. It is necessary to have reliable data to measure traffic in real time and to provide good road statistics. MediaTD provides reliable information in order to gather statistics, create road studies and enable management of congestion as well as for future planning.

MediaCity

MediaCity is a video-based detection solution that provides real-time information to identify the presence of vehicles at signal-controlled intersections, through Video Image Processing. The MediaCity software is compatible with both Analogue and IP cameras and works

under every condition (lighting variations, weather changes and different traffic conditions).

Most traffic management systems today rely on magnetic loop detectors to identify the traffic demand at intersections (stop bars). MediaCity offers loop emulation functionalities to directly replace the magnetic loops, This enables traffic management applications that provide information such as average waiting time, queue length, incidents, density to be provided with reliable above ground technology.

XCam-i

XCam-i is a real-time video sensor enclosed in a rugged housing for video-based Automatic Incident Detection (AID). It provides real-time incident detection and video surveillance capabilities on highways, expressways and bridges. This enables enhanced homeland security, safety and vehicle mobility for any traffic operations management centre.



The XCam-i video-sensor is designed to provide a cost effective means to deploy video based automatic incident detection.

XCam-p

XCam-p is a real-time video detection sensor for vehicle presence detection and control at intersections and on ramps.

The XCam-p video-sensor is designed to replace or expand upon in-road magnetic loop detectors. XCam-p eliminates many of the constraints imposed by embedded loops. Power and communications infrastructure are also not an issue since XCam-p provides built-in low power consumption and wireless communications.

XCam-ng

The XCam-ng video-sensor is designed to replace or expand upon in-road magnetic loop detectors with advanced vehicle detection functions such as real time queue measurement or intersection gridlock monitoring. Ideal at intersections and on-ramps, XCam-ng again eliminates many of the constraints imposed by inductive loops.

The video detector also enables implementation of advanced and fully adaptive intersection control strategies in order to achieve congestion prevention goals. These includes decreased journey times and the reduction of Greenhouse Gas emissions.

XCam-td

The XCam-td video-sensor is designed to replace or expand upon in-road magnetic loop detectors for a Traffic Data Collection solution.

When installed on urban roadways, XCam-td eliminates the problems related to damage to embedded loops. The XCam-td operates with a low power consumption and is capable of wireless communications. The XCam-td also provides a low-cost route to expand data collection to sites where there is no existing infrastructure.

Conclusion

Citilog's technology has been implemented in many of the most advanced ITS incident detection and traffic monitoring solutions around the world.

Example deployments include:

The Mont Blanc tunnel between France and Italy



The vast majority of the tunnels in Shanghai



Significant sections of Calle 30, the urban ring road in Madrid.



And the Citilink and Eastlink roads in Melbourne.



Here in the UK Citilog technology is installed in the Blackwall tunnel in London, the Baldock Bypass tunnel and on the A55 in North Wales among other sites.

We at Smart CCTV will be working closely with Citilog engineers to provide support to the existing installations in the UK and to deliver this exiting technology into new projects.

If you would like full data on any of the Citilog products or you would like to discuss a possible deployment please don't hesitate to contact us.

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