

# Lane Occupancy & Speed



## Incomparable Technology

Critical hardware & software components packed into one solution



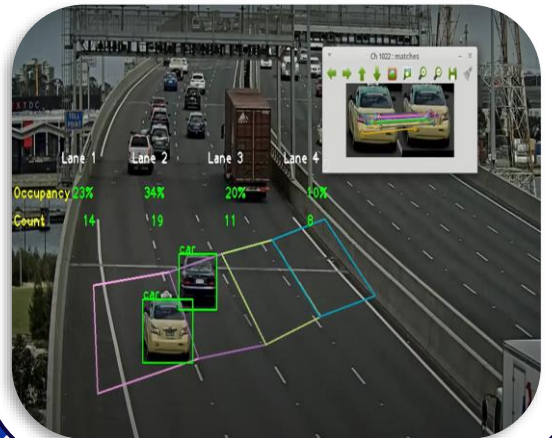
## Accurate Classification

Detailed analytics of traffic & speed with multiple cameras capturing data



## Easy Integration

Easy integration with all 3<sup>rd</sup> party interfaces used for highways & tolling



“Our Smart City solutions combine cameras, GPS, Lidar and Radar with video analytics and edge computing. They are proven to improve the efficiency of arterial roads and highways.”

**Subhash Challa, CEO, SenSen**

 **Transurban**

Transurban, Australia

“Solution has reduced reliance on manpower by achieving higher efficiency in conducting video analytics and works by tapping into existing traffic monitoring cameras.”

# Why Lane Occupancy & Speed



## HIGHLY ACCURATE LANE OCCUPANCY SOLUTION

A state-of-the-art, automated traffic monitoring system using high-resolution cameras, thermal vision & video analytics resulting in pinpoint-accurate vehicle data for optimum traffic lane management.

## SOLUTION HIGHLIGHTS

- Automatic Traffic Count & Classification (ATCC)
- Monitoring traffic in tunnels
- Highway traffic management
- User-friendly, web-based interface which the user can access from anywhere to analyze data, reports & graphs in real time
- Heavy vehicle detection & classification

## HARDWARE FEATURES

- CAMERA – Color camera & thermal camera used in tandem for vehicle classification & count
- MULTI-LANE – High-resolution images providing excellent recognition
- PERFORMANCE – Best-in-class with 50 HD images per second
- RUGGED – High-grade metal enclosure with simple installation options
- HD IP – GigE Ethernet connectivity for fully digital raw images

## SOFTWARE FEATURES

- Multi-lane, multi-object tracking & detection
- Vehicle counts & classification data can be accessed remotely
- Exceptional performance under low bandwidth conditions with no data loss
- Robust proven architecture to handle communications

## BUSINESS OUTCOMES

- Highly accurate insights about road traffic, occupancy & vehicle classification
- Superior performance to meet the demands of Intelligent Transportation System (ITS) applications
- High processing & operation flexibility in a cost-effective manner

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