Lane Occupancy & Speed Analytics

INCOMPARABLE TECHNOLOGY

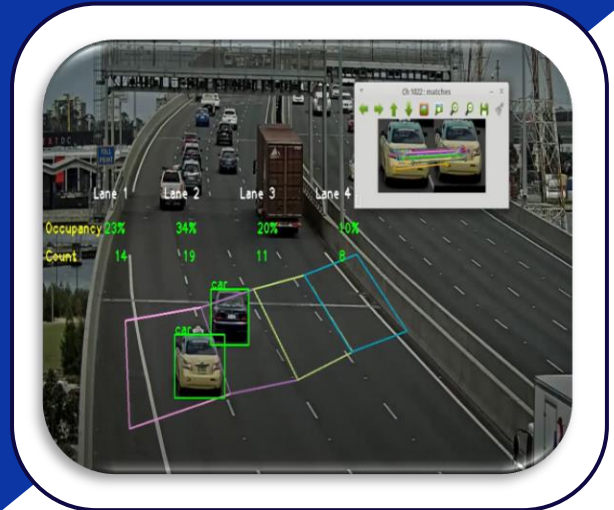Composed of critical hardware and software components packed into one solution

ACCURATE CLASSIFICATION

Detailed analytics of traffic and speed with several cameras spread over a length of road to measure vehicle's average speed.

EASY INTEGRATION

Easy integration with 3rd party interfaces which are part of highway and tolling applications

"By removing expensive barriers to entry, cities worldwide can provide their citizens with a number of civic services, including fair parking and guidance solutions, as well as ensuring they are safe and clean to live in."

Subhash Challa, CEO - SenSen Networks

"Parking officers can identify valid visitors within parking facilities through whitelists and blacklists."

Secure Parking, New Zealand

"Monitor and control all vehicles within parking facilities, and alert security to vehicles of interest."

City of Las Vegas, United States

"The City Council wants to identify illegal parking faster to improve traffic condition."

Nelson City Council, New Zealand

"GeminEYE offers intelligence for parking enforcement, and permit management."

United Public Safety, United States

Why our solution ?

THE HIGHLY ACCURATE LANE OCCUPANCY SOLUTION

A state-of-the-art traffic monitoring automated system using high resolution cameras, thermal vision and video analytics that results 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 the data, reports and
  graphs in real time
- Heavy vehicle detection and classification

HARDWARE FEATURES

- CAMERA - The color camera and thermal camera are used
   in tandem for vehicle classification and count
- MULTI-LANE – high resolution images providing excellent recognition
- PERFORMANCE – best-in-class with fifty 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 and detection
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- Vehicle counts and classification data can be accessed remotely
- Exceptional performance under low bandwidth conditions

as well with no data loss

- Robust proven architecture to handle communications

BUSINESS OUTCOMES

- Highly accurate insights for city councils on road traffic, occupancy and vehicle classification.
- Superior performance to meet the demands of various requirements of Intelligent Transportation System (ITS) applications.
- High processing and operation flexibility in a cost-effective manner