

Average Speed



INCOMPARABLE TECHNOLOGY

Composed of critical hardware and software components packed into one solution



EXTENSIVE ANALYTICS

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



HIGHLY ACCURATE AND EFFICIENT

Up to 99% accurate in capturing vehicle and performing OCR



"Although cities occupy only 2% of the earth's landmass, it's where 75% of resource consumption is concentrated. This is clearly unsustainable and a massive drain on public resources. With a growing number of vehicles using major roads and highways, keeping track of all this movement requires automation - which is where SenSen comes to the fore. Our sweet spot is adding video to the Internet of Things and using data fusion and machine-learning to ensure roads run more efficiently and Smart Cities are more efficient places to live."

Subhash Challa, CEO - SenSen Networks



Transport
for NSW

"Solution works with high accuracy with advanced Machine Learning and Deep learning Technology."

Transport for New South Wales, Australia

Why Average Speed

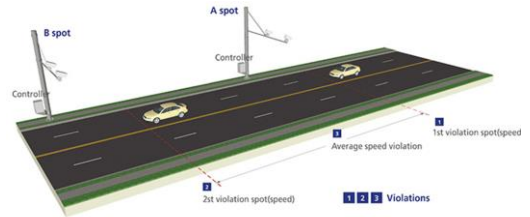


SOLUTION OVERVIEW

The solution is a fixed system for Point-to-Point or Average speed detections and enforcement solution that uses several cameras spread over a length of road to measure vehicle's average speed.

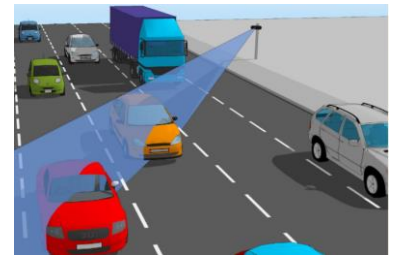
SOLUTION HIGHLIGHTS

- High-Definition dual lens Cameras
- Single Point ANPR accuracy
- High bandwidth 4G-5G communication networks
- High-performance P2P software
- NMI-certified time sync process



HARDWARE FEATURES

- MULTI-LANE – high resolution images providing excellent recognition
- PERFORMANCE – best-in-class with 50 HD images per second
- ILLUMINATION – pulsed illumination with control capabilities over network
- ECONOMICAL – low power consumption but high light output
- RUGGED – high-grade metal enclosure with simple installation options
- SEALED – hermetically sealed to IP68 for demanding physical environments
- CONTROL – full control and feedback of cameras and IR settings
- SLAVE ILLUMINATION – optional units for improved overview images at night
- HD IP – GigE Ethernet connectivity for fully digital raw images



SOFTWARE FEATURES

- Patented 'Multi-Rank, Multi-Frame Fusion Technology' with OCR for maximum recognition accuracy in the presence of confusing characters
- Patented 'Vehicle DNA' for improved matching in the presence of difficult-to-read number plates and inaccurate OCR
- Robust proven architecture to handle communications
- Highly accurate, NMI certified time sync process cross checking against three separate clocks delivering a maximum drift 500ms accuracy

BUSINESS OUTCOMES

- Transforming the way authorities can manage roads and traffic
- Superior performance to meet the demands of Intelligent Transportation System (ITS) applications.
- High processing and operation flexibility in a cost-effective manner

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