

# Average Speed



## Top-in-Class Technology

Critical hardware & software components packed into one seamless solution



## Extensive Analytics

Detailed analytics of traffic & speed with data gathered from multiple locations



## Highly Accurate & Efficient

Up to 99% accurate in capturing vehicle data



*"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 productive and enjoyable places to live."*

**Subhash Challa, CEO, SenSen**



**Transport  
for NSW**

"Solution works with high accuracy thanks to advanced Machine Learning and Deep learning technology."

Transport for New South Wales, Australia

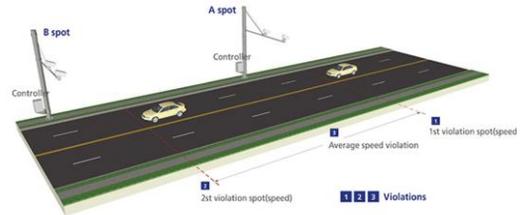
# Why Average Speed

## SOLUTION OVERVIEW

Our solution is a fixed system for Point-to-Point & Average Speed detection with data collected from multiple locations.

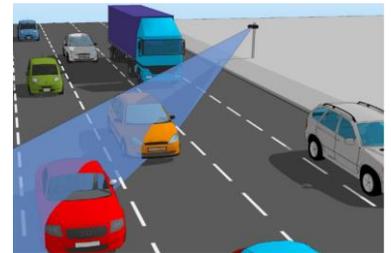
## SOLUTION HIGHLIGHTS

- High-definition dual lens cameras
- Highly accurate single-Point ANPR
- 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 & feedback of cameras & 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
- 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 & traffic
- Superior performance to meet the demands of Intelligent Transportation System (ITS) applications.
- High processing & operation flexibility in a cost-effective manner

Sensen.ai

Level 1, 9 Harper Street, Abbotsford,

Victoria, 3067 Australia

Website - [www.sensen.ai](http://www.sensen.ai)

Melbourne

(+61) 3 9417 5368

Sydney

(+61) 3 9417 5368

India

(+91) 40-29882270

Singapore

(+65) 9624 9834

[sales@sensen.ai](mailto:sales@sensen.ai)