

Bus Lane Enforcement



TURNKEY TECHNOLOGY

Highly accurate AI/ML software for detection and analytics



COMPREHENSIVE EVIDENCE

High resolution images with privacy masking of human faces and non – violating images



END – TO – END SOLUTION

Vehicle detection and classification to detect and identify unauthorized vehicles that use bus lanes



“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 ?



ABOUT THE SOLUTION

The fixed camera bus lane enforcement solution uses cloud and edge processors to continuously monitors the vehicles under the camera view. The solution helps to maximize the efficiency of public transport lanes by enforcing compliance with road rules.

COFIGURATIONS

- Fixed camera mounted on pole connected to an onsite processing unit
- Android based rugged outdoor ready to deploy system out of the box mounted on pole
- Android based outdoor ready to deploy vehicle dashboard mounted system

SOLUTION HIGHLIGHTS

- Detection of the vehicle from varying distances and angles
- 24x7 operation to detect violations.
- Scalable architecture
- Automated privacy masking
- Open Platform Integration Support

KEY FEATURES

- Advanced vehicle detection
- Fully integrated infringement detection platform
- Exceptional performance even under low-bandwidth conditions with no down time
- Highly secured data transfer over available network
- Generates video evidence in case of appeal
- Fully functional back-office system for two level infringement review
- Seamless integration with central system for infringement data transfer

KEY BUSINESS OUTCOMES

- Reduced junction capacity
- Sufficient queuing space
- Junction clearing from downstream congestion
- Reduced bus lane violations
- Improved bus travel time and reliability
- Decreased flows of conflicting traffic

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