

Driver Distraction



Road Safety Enforcement for Distracted Driving

The uniqueness of the product platform can meet the complete range of road safety monitoring and enforcement solution.



End to End Solution

Provides evidential capture of people and vehicles during dangerously driving activities like using smart phones, eating with both hands while driving, etc.



Flexible Mounting

The system can be provided in the form of fixed gantry based or trailer-based enforcement for rapid deployment.

“All our solutions are non-intrusive by design and bring together the latest and greatest advances in high resolution, high frame rate cameras, high accuracy solid-state Lidars (with no moving parts) and radars augmented with our software embedding latest advances in AI, object tracking and data fusion algorithms to deliver the best price-performance combination for different applications and use cases.”

-Subhash Challa, CEO - SenSen Networks



**Queensland
Government**

Department of Transport and Main roads
Australia.

Why Driver Distraction



SOLUTION OVERVIEW

The camera and illumination combinations are designed to penetrate the windscreen of the vehicle at multiple angles to capture highly visible and crisp evidence of distracted driving behavior thus giving the underlying AI technology maximum opportunity to capture offences related to distracted driving including the using the mobile phones/electronic devices and non-use of seat belts and others.

AVAILABLE CONFIGURATIONS

FIXED

Mounting onto gantry / Pole at standard heights

RAPID

A new site can be made enforcement ready < 30 minutes

KEY FEATURES

- 24x7 consistent operation unaffected by darkness or by sun glare.
- Advanced automated recognition system minimizes false positives while ensuring no true offences are missed.
- Automatic detection of vehicles travelling up to 300kmph
- Enforcement ready incident packages with digital evidence and metadata
- Easily upgradable future proof camera and illumination technology

HARDWARE

- Power management
- (Solar, Batteries, UPS etc.)
- Processing servers with storage
- Cameras
- IR illuminators
- Networking devices

SOFTWARE

- Camera frame grabbers
- Video Processing Engine
- Local database
- Data upload service
- Evidence watermarking
- System certification tool

CLOUD BACK OFFICE

VIOLATION REVIEW & EXPORT

- Multi-level review of conclusive evidences
- Correction of the data with notes

VEHICLE OWNER LOOKUP INTEGRATION

- API based integration
- Manual export and import of owner details

INFRINGEMENT TICKET PROCESSING

- Rendering the violation metadata and privacy masked images to a ticket
- Ticket generation as a PDF file

PRIVACY MASKING

- Masking of human faces and non-infringing number plates
- Manual and automated options to choose from

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