

# Distracted Driver Detection



## Road Safety Enforcement for Distracted Driving

The uniqueness of the product platform meets a complete range of road safety monitoring & enforcement outcomes



## End-to-End Solution

Evidential capture of people & vehicles exhibiting dangerous driving behaviour including using phones & eating while driving



## Flexible Location, Easy to Move

Fixed gantry-based or trailer-based for rapid movement & deployment

“All our solutions are non-intrusive by design and bring together the latest advances in high-resolution, high frame rate cameras, highly accurate solid-state Lidars (no moving parts) and radars augmented with our software. All of this comes with embedded 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



**Queensland  
Government**

Department of Transport and Main roads  
Australia.

# Why Distracted Driver Detection



## SOLUTION OVERVIEW

Our combination of cameras and illuminators is designed to penetrate the windscreen of vehicles at multiple angles to capture crisp evidence of distracted driving behavior. The images provide the underlying AI technology maximum opportunity to identify offences such as using mobile phones and electronic devices, eating while driving and failure to wear a seatbelt.

## AVAILABLE CONFIGURATIONS

### FIXED

Mounted onto gantry for detection at standard heights

### RAPID

New sites can be enforcement-ready with less than 30 minutes calibration

## KEY FEATURES

- 24x7 consistent operation unaffected by darkness or sun glare
- Advanced automated recognition system minimizes false positives while ensuring all true offences are captured
- Automatic detection of vehicles travelling up to 300kmph
- Enforcement-ready incident packages with digital evidence & metadata
- Easily upgradable future-proof camera & illumination technology

## HARDWARE

Power management  
Solar, batteries, UPS  
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 data with notes

### VEHICLE OWNER LOOKUP INTEGRATION

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

### INFRINGEMENT TICKET PROCESSING

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

### PRIVACY MASKING

- Masking of human faces & non-infringing number plates
- Choose manual or automated option

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