

Road Safety Solutions

# Red Light

Safety Solution



**Information Engineering Group**  
*Reduce accidents at the most critical junctions*



# Road Safety Solutions

# RLSS

The fact that a traffic light is red typically implies that the lights for the crossing traffic are green – and the risk for collisions is considerable.

Uniquely, the Sensys RLSS is able to detect both speed and distance, allowing the non-intrusive sensor to analyse speed behaviour as vehicles approach the stop line. If it is calculated that a vehicle will not (be able to) stop before the stop line, the system will take a picture of the vehicle just before the stop line showing its position, the red light and the license plate.

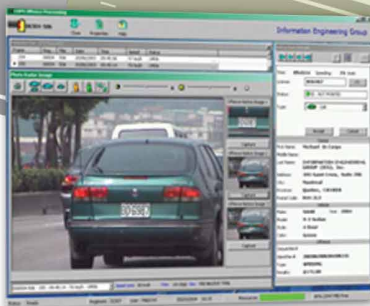
If the radar detects that a vehicle is indeed passing the stop line during the red light phase, the system will take a second picture after the vehicle has fully passed the stop line. The second picture may be taken either by the same camera from the rear, or by a second camera located across the intersection. The latter option allows for driver identification should such be required by local law.

RLSS systems are installed on pole-mounted cabinets. The cabinets are manufactured for all weather conditions and can be delivered with heating and cooling systems included.



## Features Summary

- High-resolution digital images
- Continuous speed verification
- Number plate and/or driver identification
- Secure remote communications and setup
- Two images taken for evidence recording of vehicle at red light before stop line and after stop line
- Provides information about time, date, location, speed, speed limit, red light time, grace time etc.
- Supports front or rear photography or both simultaneously
- Non-intrusive technology
- Tracks and measures each vehicle more than 20 times per second
- Triggers at an adjustable speed limit and report line
- Single or dual camera post option available
- Coverage up to six lanes



The SSS operates from the side of the road, tracking traffic for speed and distance.

Tracking starts at 150 meters and vehicles exceeding the speed limit trigger the system at a set report line. A picture is taken of the violating vehicle and stored with time, date, speed and location embedded in the file.

Report line

- radar
- camera
- flash

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