

# SENSYS

## Speed Safety System

**SSS**

ALUCOOL  
CABINET

**RS242**



Advanced sensors and systems  
for traffic information and safety

# Speed

## Safety System **SSS**

Most governments all over the world prioritise the improvement of road safety. One of the available tools for influencing the behaviour of road-users is traffic law enforcement – and in particular speed enforcement.

SENSYS® Traffics SSS (Speed Safety System) is based on Sensys' multi-tracking radar RS242. This wide-beam radar unit, capable of tracking multiple vehicles simultaneously, uses a lobe that oversees several lanes up to 150 meters deep. Vehicles moving within that cone are tracked and their movements analysed. Speed is determined through Doppler and checked by distance over time. At the defined report line a picture is taken should there be a speed violation.

RS242 is capable of *classifying* vehicles by analyzing the frequency response from the vehicle.

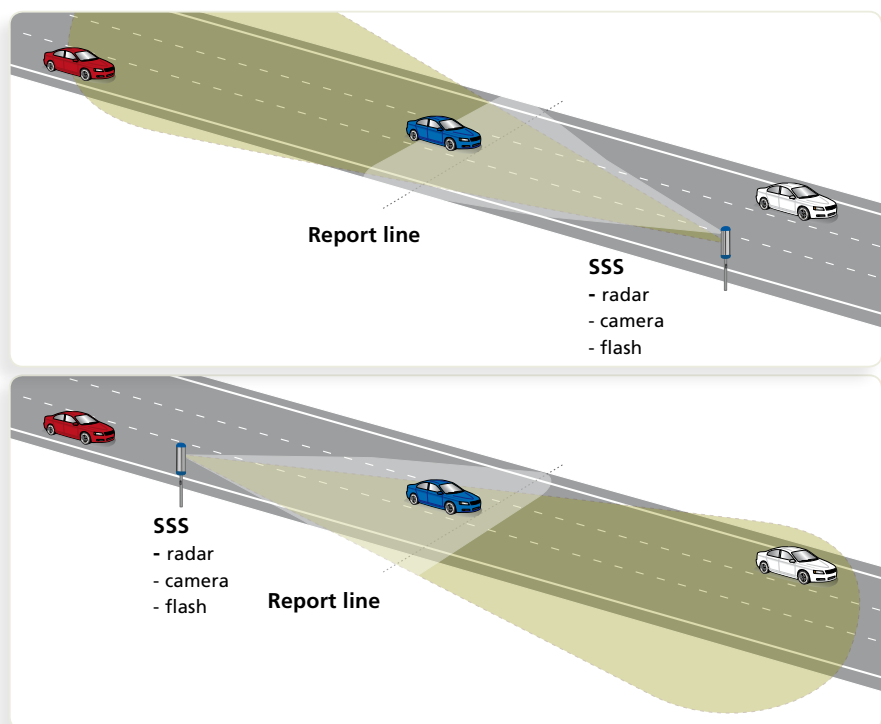
The classification is divided into two classes:

- Class S, small vehicles: cars and motorbikes
- Class L, large vehicles: trucks.

Each class may have their individual speed limits.

RS242 is capable of measuring the sidewise position of the vehicle. By using this technique more complicated road layouts can be handled, for example; turning lanes, hard shoulders, or one way lanes. For each lane you can set different speed limit, report line, direction etc.

Numerous reports demonstrate that applying speed enforcement contributes to road safety. The number of casualties is reduced.



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

The radar tracks the vehicle up to 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.

## FLEXIBILITY

For stationary use, the system is installed in a cabinet mounted on a pole. The cabinets are made for all weather conditions and can be delivered with heaters and fans or air conditioning.

All units in the system are modular and rack-mounted for easy inter-changeability.



## PROPERTIES

This is a selection of the most important properties for the system. Visit our website for a complete list of properties.

- » High-resolution digital images
- » Continuous speed verification by applying two independent methods
- » Number plate and/or driver identification
- » Secure remote communication and setup
- » Provides information about time, date, location, vehicle speed, speed limit, lane and class
- » Supports front or rear photography
- » Non-intrusive technology, no devices buried in the road surface
- » Uses Sensys' unique multi-tracking radar
- » Tracks and measures each vehicle 21 times per second
- » Triggers at an adjustable speed limit and report line
- » Possible to take one or multiple images of the offence

## OPTIONS

Sensys offers an impressive range of options for all systems. The options below are the most common ones for the SSS system. Visit our website for a complete list of options.



### ALARM

The alarm becomes activated should someone try to sabotage or break into the cabinet. Units that may be connected to the alarm system include door switches, tilt and vibration sensor.



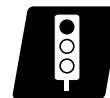
### VIDEO

A video sequence is added to the evidence package as supplementary evidence to the high-resolution still image.



### SERVICES

Sensys can provide Traffic Safety Expertise, enforcement strategies, project management, installation, training etc.



### RED-LIGHT ENFORCEMENT

The unique feature of Sensys' radar of being able to discern distance is used to detect a vehicle passing the stop bar during the red-light phase.

## HIGH QUALITY DIGITAL IMAGES

Our extraordinary picture-quality enables an overview picture of the traffic offence to be seen at the same time as the number plate and driver are identified.



SENSYS Traffic can help you drive behavioral change with measurable effects. Sensys is the provider of intelligent solutions for traffic safety and traffic informatics that:

- » has a proven contribution to traffic safety improvements in the countries that now have the lowest fatality rates,
- » delivers a range of cost-effective products, based on non-intrusive sensors,
- » assures customer support throughout the product life cycle,
- » offers 100% legal security for enforcement products – we have never lost an appeal against a violation due to technical reasons,

Unlike others, Sensys Traffic's portfolio is based on proprietary multi-tracking radar technology development,

Unlike others, Sensys Traffic can offer Swedish Vision Zero knowledge and expertise to formulate and implement your strategies and to measure its effects.

*Sensys Traffic*  
**endless possibilities...**

DISTRIBUTOR INFORMATION