



# WIRELESS SPACE COUNT SYSTEM

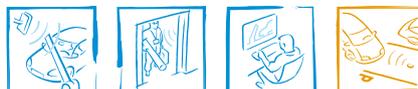
## Accurate Vehicle Detection

The Nedap Wireless Space Count System is a wireless network of surface mounted sensors (Nodes) designed to recognize vehicle presence within an individual parking space. The SENSIT Nodes communicate wirelessly, in a daisy chain fashion and can return to the parking



*Sensit sensor*

management system, a comprehensive, real time count of an entire parking facility. Such accurate and timely information allows for laser accurate enforcement performance and near foolproof revenue collection making your operation both more effective and more profitable.



# TAILORED TO WIRELESSLY MONITOR TIMED AND ZONED PARKING SPACES

**Ruggedly designed and equally suited for indoor or outdoor installation, The SENSIT features two forms of detection, magnetic & infrared, that combine to produce accuracy rates exceeding 98%.**



Best of all, SENSIT Nodes don't need wires for communication OR power. Battery operated and wirelessly linked, the SENSIT Nodes form a virtual mesh of communication that is constantly tracking occupancy level.

## Wireless detection + Wireless power = Zero wire runs

Imagine being able to install a sensor system for monitoring an entire parking facility, even as a retro-fit, without a single additional wire run. With SENSIT you can.

All SENSIT Nodes are internally powered and communicate wirelessly to the SENSIT Data Collector (DC) that in turn communicates with the host system.

Additional Relay nodes are installed onto e.g. lamp posts to optimize the communication network and provide real time information to the host system.

## Foolproof detection

The combined magnetic and infrared detection effectively detect vehicles using a sophisticated algorithm to make the SENSIT invulnerable to snow, dirt and leaves. The dual detection offers performance unmatched in the industry for wireless detection of vehicles.

## Ease of integration

With the SENSIT Interface Module (SIM) you can seamlessly integrate into any vehicle guidance or overstay detection system. Featuring an embedded web server to allow easy configuration and transmission of data to the management application, the SIM ensures that only specified data is transmitted via a TCP/IP socket connection.

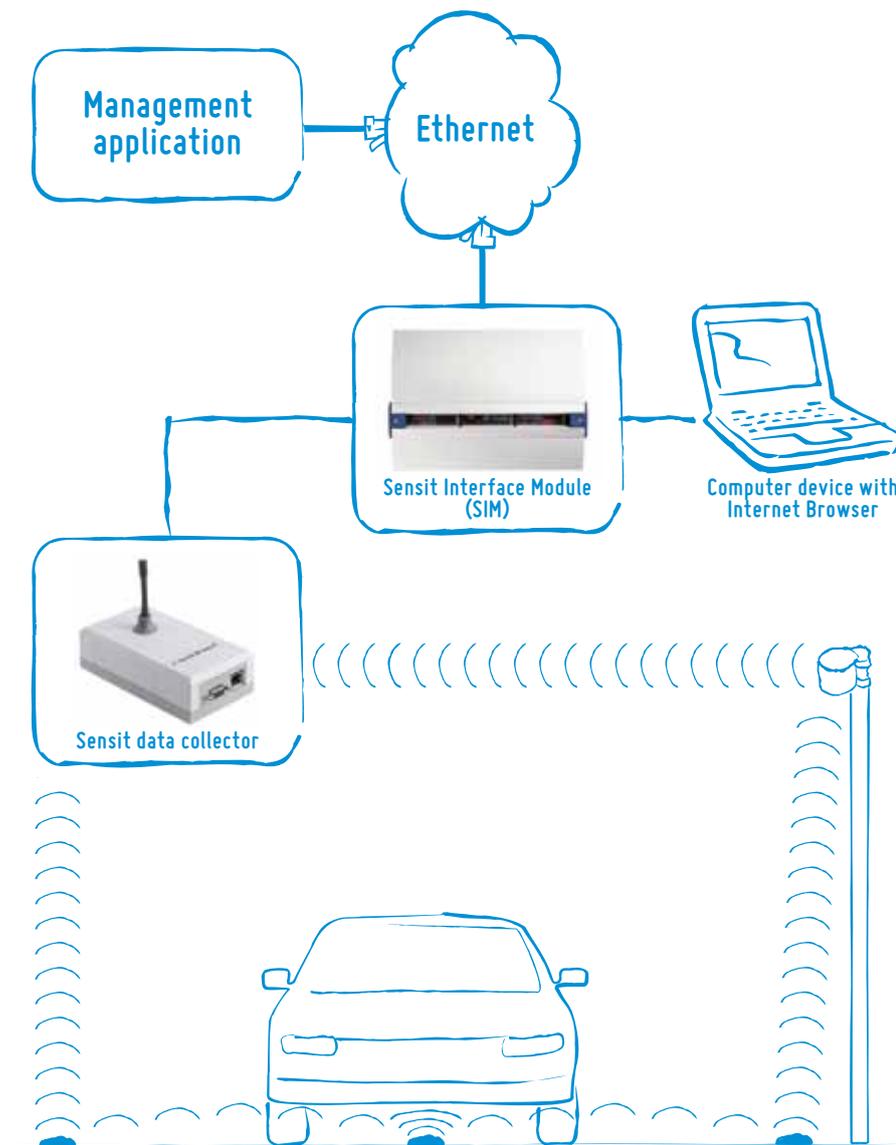


Additionally the SIM configures and tests the communication of the SENSIT Node network. It monitors the data transfer between the Nodes and the data collectors. It also offers easy calibration of the Nodes within the application.

## Ease of data collection

Data collection is managed by the SENSIT DC. The DC acts as the interface between the SENSIT Nodes and the SIM or host system, capable of outputting RS 232 or TCP/IP, making backend integration easy to manage.

## SYSTEM OVERVIEW SENSIT



### Key points

The SENSIT System provides real-time occupancy information on individual parking spaces. The hardware is designed to be equally suited for installation in car parks, surface lots, or on-street parking spaces. Occupancy info can be used to guide traffic to free parking spaces but can also be used for on-street parking enforcement and overstay detection.

For on-street enforcement the number of occupied parking spaces can be compared with the number of payments realized by the pay station. For overstay detection the system alerts instantly a parking officer to the presence of nearby overstaying vehicles. Based on this information you can exactly determine when and where to enforce.

## INSTALLATION

### Step 1

Assign a SENSIT node to each individual parking space.

### Step 2

Link the node ID number to your installation plan.

### Step 3

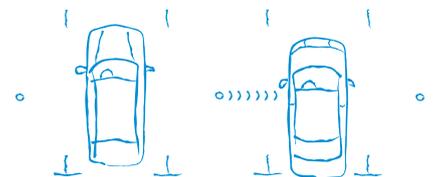
Connect the Data Collector(s) and SENSIT Interface Module and check if all the nodes are online.

### Step 4

Mount the SENSIT nodes in the designated hole in the centre of the parking space using the appropriate filler.

### Step 5

Calibrate the nodes and you're ready to count!



# PRODUCT OVERVIEW



Sensit Interface Module

## SENSIT INTERFACE MODULE (SIM)

### Sensit Interface Module (SIM)

Interface module allowing for easy systems integration into a overstay or parking guidance management application

Part nr: 9897500



Sensit Data Collector

## SENSIT DATA COLLECTOR

### Sensit Data Collector

Data Collector to collect information from the Sensit nodes

Part nr: 9889582 (EU version)

9898590 (US version)



Sensit

## SENSIT SENSORS

### Sensit

Sensit node featured with magnetic detection

Part nr: 9889019 (EU version)

9898760 (US version)



Sensit IR

### Sensit IR

Sensit node featured with magnetic and infrared detection

Part nr: 9898344 (EU version)

9898620 (US version)



Relay node mounting set

## RELAY NODES

### Relay node mounting set

Pole mounting kit for relay node

Part nr: 9942688

## Expertise in Vehicle Identification

Nedap- founded in 1929 and based in the Netherlands - employs about 600 employees worldwide. Nedap AVI has an outstanding expertise in RFID technology and vehicle access applications. Our RFID solutions are tailored for vehicle applications, ensuring reliable operation for any vehicle gate environment. As one of the pioneers in RFID technology during decades, Nedap has established an impressive track record of vehicle identification installations worldwide in many different industries. Nedap's AVI system is considered the best in the market. Features as simultaneous driver and vehicle identification make the Nedap offering unique. Therefore Nedap is the perfect fit to any long range vehicle access application, offering a full product line for vehicle access. The latest addition to the product line, the uPASS Reach, is based on years of experience and expertise in this market.

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