Nedap’s vehicle identification system offers long range identification. It provides the convenience for the driver to automatically be identified. It serves as a means of reducing congestion and establishing fast and convenient entry and exit for those who use an AVI tag.

**Operating Principle AVI**

The AVI system is made up of a reader and vehicle tag. Vehicle tags are programmed with a unique number and are mounted either to windshield of the vehicle or on the exterior of the vehicle. The tag is identified up to 10 meters (33 feet) as soon as it comes into range of the reader. Using a secure algorithm, the tag ID is decoded and transmitted to the host system.

The system requires line of sight between the tag and the reader. TRANSIT readers are installed over or nearby locations where the vehicle needs to be identified. The reader is an open architecture, which easily interfaces into any new or existing system using open industry interfaces.

**Applications**

Applications include convenient vehicle access to parking facilities or vehicle access gates without the need to come to stop. Moreover our AVI system facilitates reduced congestion and improved efficiency for industrial applications such as automated truck weighing scales, waste management and yard management.

**Key features**

- Read range up to 10m (33 ft)
- Vehicle speed up to 200 km/h (125 mph)
- Highly reliable reading under all conditions
- On-site adjustable directional read range
- Flexible systems integration

**Long range vehicle identification**

from distances up to 10 meters [33 feet] with dynamic speed.
Product overview

**TRANSIT reader**
**TRANSIT STANDARD PS270**
Long-range vehicle identification reader

Operating frequency:  
- Europe 2.400 – 2.482 GHz  
- US 2.438 – 2.457 GHz  
Dimensions: 310 x 250 x 100 mm  
[12.2 x 9.8 x 3.9 in]  
Interfaces: RS232, RS422, Multidrop, TCP/IP and Profibus  
Outputs: Barcode 39, Wiegand 26-bit, Wiegand 32-bit, Wiegand 37-bit, Wiegand FF56, Omron and HID Corp 1000  
Part nr: 9990410 TRANSIT Standard

**Tags**

**Compact Tag**
Handsfree ID tag, clamshell design  
Part nr: 9891900 Compact Tag

**Window Button**
Single ID vehicle tag with suction pad for easy windshield mounting  
Part nr: 9882650 Window Button

**Window Button switch**
Single ID vehicle tag with user activation  
Part nr: 9882480 Window Button Switch

**Heavy Duty Tag**
Exterior mounted ATEX approved vehicle tag  
Part nr: 9875980 Heavy Duty Tag

For full product information visit www.nedapavi.com

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