

Experience long range driver based identification



nedap
TRANSIT

Automatic Vehicle Identification

Advanced, high-speed, long-distance AVI based on your existing HID card

The Nedap AVI system—fully integrated with HID cards—offers new enhanced features, which enable fast, convenient and secure vehicle access for authorized vehicles and drivers. TRANSIT is the ideal solution in situations where both vehicles and drivers need to be identified in order to be closely monitored.

Hands-free access

The Nedap TRANSIT system combines ease of use with vehicle access security. This AVI system extends the read range of an HID card up to 33 feet [10 meters], providing hands-free access to gated and secured areas, without the need to come to a stop. This substantially reduces the risk of an assault on the occupants of a vehicle.

Security

The security of your facility is significantly enhanced by the system's unique patented ability to identify the vehicle and the driver simultaneously. The HID card is used in combination with an in-vehicle mounted 'Booster' tag, programmed with the vehicle ID. Once configured, the Booster allows a driver ID badge and embedded vehicle ID to be read from a distance of up to 33 feet [10 meters]. This solution substantially improves the level of security when controlling the activities of vehicles that are regularly used by different drivers.

Total solution

A fully integrated vehicle and personnel access solution can be implemented throughout a range of facilities, using HID employee badges in combination with TRANSIT AVI technology.

Efficiency

The TRANSIT system helps to speed up traffic throughput and reduces congestion around parking lot entry and exit points. Vehicles and drivers are identified at speed, making the system particularly suitable for applications where drivers cannot afford to lose precious time by having to stop to present a card.

Key benefits:

- True hands-free identification
- Highly secure vehicle access
- Improved efficiency
- Flexible systems integration
- Integration of HID Prox or iClass technology
- Driver based vehicle identification



Nedap TRANSIT—proven excellence

TRANSIT offers automatic identification of vehicles up to 33 feet [10 meters] away, even when they are traveling at high speeds.

Nedap TRANSIT is a long-range AVI system based on proven microwave technology that operates in the 2.45 GHz ISM band. It features automatic identification of vehicles up to 33 feet [10 meters] away. Even when they are traveling at speeds of up to 125 mph [200 km/h]. The system consists of readers and tags. The readers are installed over or nearby entry and exit points in parking lots. All vehicles are equipped with an AVI tag, which sends an identification number to the reader by modulating and reflecting the signal transmitted by the reader. The signal is then decoded by the reader, using a secure algorithm to recover the tag's ID.

Applications

The Nedap TRANSIT system is widely deployed around the world. The open architecture software used in this advanced solution allows for maximum flexibility when incorporating OEM components or integrating with existing systems. Typical applications include airport and seaport security, parking and access systems, vehicle yard management, and traffic regulation programs.

Reader

The reader consists of a controller with a built-in antenna for quick, easy installation. Thanks to the system's long range, the reader can be installed out of the reach of vandals. The identification lobe of the reader is a directed beam, offering precise determination of the detection area. This system efficiently resolves typical multilane, entry and exit reader challenges encountered in parking lots. The TRANSIT reader continues to operate reliably, even under harsh environmental conditions and is able to withstand exposure to rain, snow and ice.

Tags

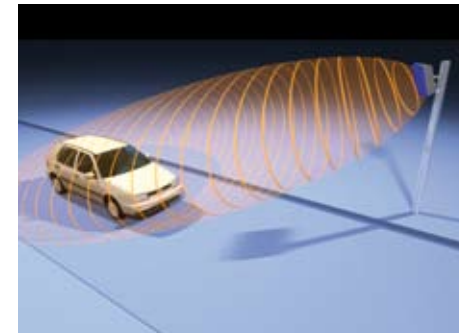
A choice of several tags is available all compatible with the same reader. The system requires line of sight, between the reader and the tag.

Driver based vehicle identification

A driver based AVI tag is made up of two components; an in-vehicle card read/transmitter [Booster] and a personnel credential, such as a contactless HID building access card. The Booster will read the inserted HID building access card and "boost" the signal to long-range TRANSIT reader at ranges up to 33 ft [10 meters]. This will allow plenty of time for the back end security controller to activate the barrier or gate opening prior to the time the vehicle arrives. In some cases the Booster will contain its own embedded Vehicle ID, which allows the back end the ability to immediately match the right driver with the right vehicle. Removal of the card is ensured, as this credential is required for building access once the driver leaves his vehicle, leaving only the Booster in the vehicle, which in itself cannot activate the barrier or gate opening.

Vehicle based identification

A vehicle based AVI tag is made up a vehicle tag, programmed with a unique ID number. The tag is mounted either in the windshield of the vehicle or on the exterior of the vehicle itself. It offers the ability to have the barrier or gate open automatically.



Product overview

Long range reader



TRANSIT reader

Long-range vehicle identification reader with built-in antenna

Operating frequency: US 2.438–2.457 GHz and
Europe 2.400–2.482 GHz

Dimensions: 12.2 x 9.8 x 3.9 in [310 x 250 x 100 mm]

Detection range: up to 33 feet [10 meters]

Outputs: Barcode 39, Wiegand 26-bit,
Wiegand 32-bit, Wiegand 37-bit,
Wiegand FF56, Omron
and HID Corp 1000

Part numbers: 9875220 TRANSIT USA
9990410 TRANSIT Standard 230 VAC

Driver based tags



Single ID Booster

Identification: Driver ID

Part number: 9848940 Booster HID (HID prox)

Dual ID Boosters

Identification: Driver ID & vehicle ID

Part number: 9895744 Prox-Booster (HID prox)
9895337 Smartcard-Booster (HID iCLASS CSN)
9895752 Transition-Booster (HID Prox & iClass CSN)

Vehicle based tags



Window Button

Single ID vehicle tag

Identification: Vehicle ID

Part number: 9882650



Compact Tag

Single ID tag, clamshell design

Identification: Vehicle ID/ driver ID

Part number: 9891900



Heavy Duty Tag

Exterior mounted vehicle tag

Identification: Vehicle ID

Part number: 9875980

For more detailed specification visit www.nedapavi.com

Nedap, a unique company

Nedap—founded in 1929 and based in the Netherlands—employs approximately 660 people worldwide and has an annual turnover of approximately USD \$120 million. Our shares are listed on the Amsterdam Stock Exchange. Nedap is an innovative, solution-oriented company with a wide range of products, systems and services based on RFID technologies. Our systems are used in a variety of markets, offering the ultimate solution in secure and reliable identification.

For more information, please contact:

Headquarters:

Nedap N.V.
Automatic Vehicle Identification [AVI]
P.O. Box 103
7140 AC Groenlo
The Netherlands

T: +31 544 471 666
F: +31 544 464 255
E: info@nedapavi.com
www.nedapavi.com

North America:

Nedap US Office
500 W. Main, Suite 301
Branson, MO 65616
USA

T: 417 339 7368
F: 417 337 8889
E: info-us@nedap.com
www.nedapavi.com

Asia:

Nedap Asia Office
583 Orchard Road
#16-01/17-01 Forum
Singapore 238884

T: +65 683 280 51
F: +65 683 280 52
E: info-asia@nedap.com
www.nedapavi.com