



DRIVER BASED VEHICLE ACCESS

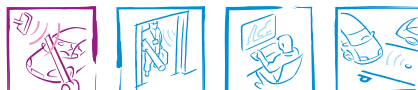
Secure automatic identification of driver and vehicles up to 33 ft [10 m].

For real security and peace of mind, you must not only identify an approaching vehicle, but also the driver inside. With a Nedap AVI driver based security system, you are assured a vehicle can never get access to a secured area unless occupied by an authorized driver.



Booster 2G

This enhanced functionality expands the protection zone beyond your building's doors to the perimeter of your property.



DISCOVER TRANSIT LONG RANGE DRIVER AND VEHICLE IDENTIFICATION

Driver and vehicle identification has become a security standard. Nedap has led the development in this area for the last decade, with our offering of in-vehicle Booster devices, which can read and boost standard access credentials up to distances of 33 ft [10 m] at speeds up to 125 mph [200 km/h].

How does driver based AVI work?

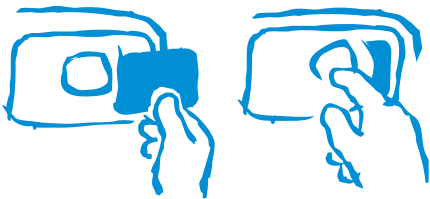
A driver based tag is made up of two components:



- 1) Personnel ID card
(a contactless building access card)

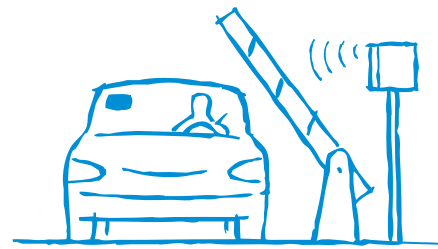


- 2) Booster 2G
(an in-vehicle reader/transmitter)



The Booster is mounted behind the windshield of the vehicle. The building access card (driver ID) is inserted into it to identify the driver.

The Booster reads the card and transmits an amplified signal to the TRANSIT reader at ranges up to 33 ft [10 m]. 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. The Booster device will in effect act as the lock and the building access card as the key. In some models the Booster features an imbedded vehicle ID, allowing the system to match



Long range driver ID

the right driver with the right vehicle. Removal of the Driver ID is ensured as it is required for building access once the driver leaves his vehicle. Only the Booster, which in itself can not activate the barrier or open the gate, is left behind in the vehicle.

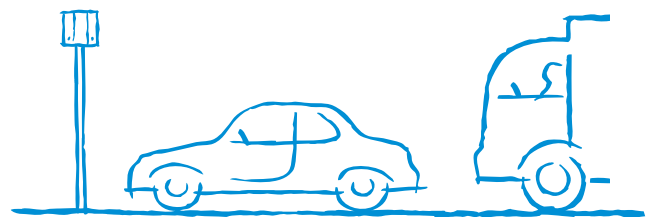


Removal of the driver ID

Join the list of driver secured facilities with TRANSIT AVI!

Applications include airport and port security, defense, utility, corporate and education campuses, police, fire brigades, public transport vehicles and other installations where vehicles must be assigned to a specific driver.

The system allows for mixed use of vehicles from trucks, vans or passenger cars to enter the same gate without the need to install multi-level readers, which are often hit by approaching vehicles.

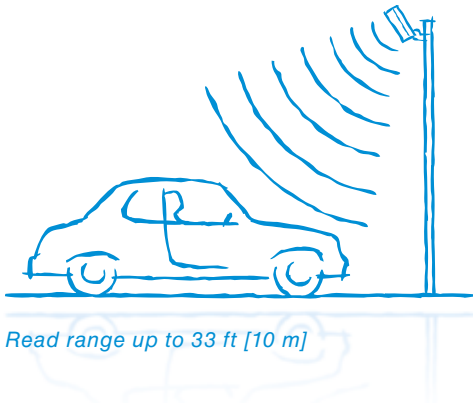


No need for multi-level readers

Vehicle based AVI

Vehicle based tags are also available. These tags are programmed with a unique ID number which, are mounted either to the windshield of the vehicle or to the exterior of the vehicle.

Vehicle based tags are used for convenient long range vehicle access, parking, automated truck weigh scales, yard management, waste management etc.



Read range up to 33 ft [10 m]

Operating Principle AVI

The AVI system is made up of a reader and a tag. The tag is identified up to 33 feet [10 meters] as soon as it comes into range of the reader.

The system requires line of sight between the tag and the reader.

TRANSIT readers are installed facing

in the direction where the vehicle needs to be identified. Using a secure algorithm, the tag ID is decoded and transmitted to the host system. The identification beam of the reader is a directed lobe.

Booster card technology interfaces

The Booster offers easy front end integration by using a common building access credential.

No authorization of new numbers in the host system is required. Supported card technologies are;

- HID Prox & HID iClass
- LEGIC
- MIFARE DESFIRE
- EM
- Nedap
- Calypso



INSTALLATION

Reading range

Horizontal mounting:

Detection angle 80 degrees.



Vertical mounting:

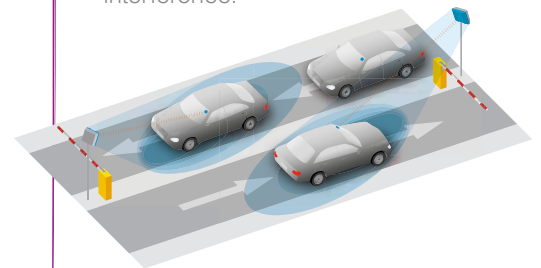
Detection angle 40 degrees.



Lane application

Detection angle: 40 degrees.

Adjustable read range: 5 to 33 ft [1,5 m to 10 m] to avoid cross over reading. Frequency offset to avoid interference.



PRODUCT OVERVIEW



TRANSIT STANDARD
PS270

TRANSIT READER

TRANSIT STANDARD PS270

Long-range vehicle identification reader
Operating frequency: 2.446 - 2.454 GHz
Dimensions: 12.2 x 9.8 x 3.9 in
[310 x 250 x 100 mm]
Detection range: up to 33 ft [10 m]
Outputs: Barcode 39, Wiegand 26-bit, Wiegand
32-bit, Wiegand 37-bit, Wiegand FF56,
Omron and HID Corp 1000
Part nr: 9875220 TRANSIT USA
9990410 TRANSIT Standard



Booster

DRIVER BASED TAGS

Prox-Booster 2G single ID

Identification: Driver ID
Supported cards: HID Prox, EM and Nedap
Part nr: 9948546

Prox-Booster 2G

Identification: Driver ID & Vehicle ID
Supported cards: HID Prox, EM and Nedap
Part nr: 9948538

Smartcard-Booster 2G

Identification: Driver ID & Vehicle ID
Supported cards: HID iClass, Legic, Mifare,
Mifare desfire and calypso
Part nr: 9948554

Transition-Booster 2G

Identification: Driver ID & Vehicle ID
Supported cards: HID Prox, EM, Nedap,
HID iClass, Legic, Mifare,
Mifare desfire and calypso
Part nr: 9948562

VEHICLE BASED TAGS

Window Button

Single ID vehicle tag
Identification: Vehicle ID
Part nr: 9882650 Window Button
9882480 Window Button Switch
(user activation)

Heavy Duty Tag

Exterior mounted ATEX approved vehicle tag
Identification: Vehicle ID
Part nr: 9875980

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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Window Button Switch



Heavy Duty Tag

For full product information visit:
www.nedapavi.com