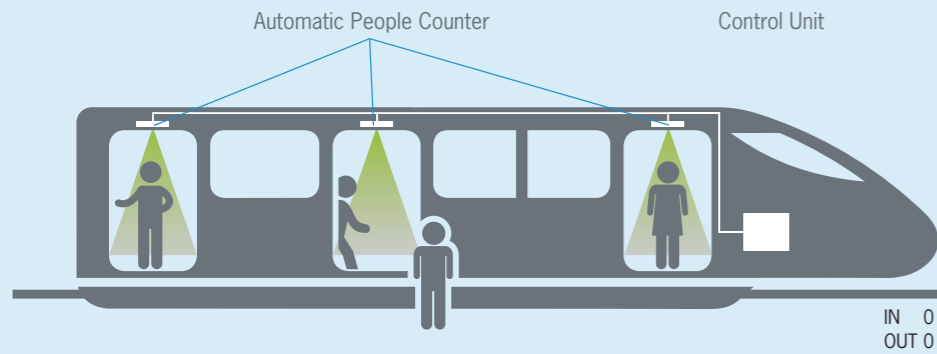


## Counting Process

Eurotech's Automatic People Counters work both as stand-alone and connected to a Control Unit that collates, saves and loads the information arriving from the Passenger Counters.

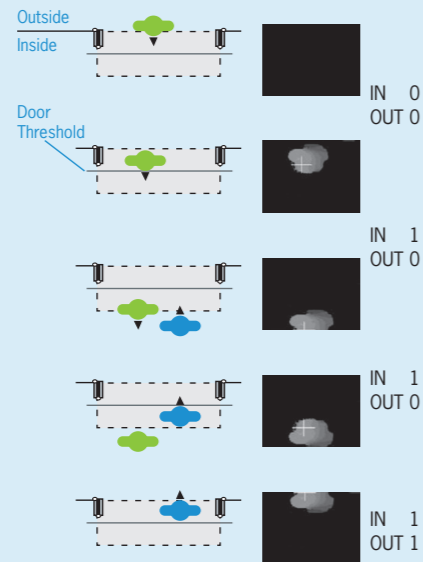


People entering the detection area are recognized and tracked.

During the tracking process:

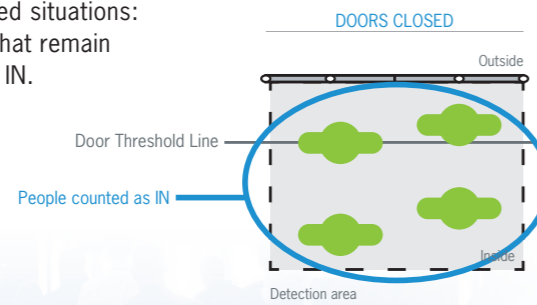
The two counters are incremented if a person enters the detection area, crosses the door threshold line and then exits from the detection area on the opposite side (the threshold line may be adjusted).

Erroneous calculations are avoided in the case of a person just moving in proximity of the door (like in crowded situations).

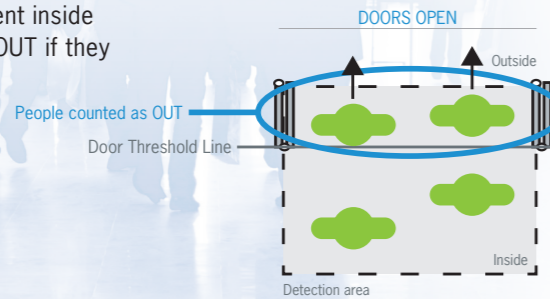


## Door Contact Management

To ensure precise counting in crowded situations: When the doors are closed, people that remain in the detection area are counted as IN.



When the doors open, people present inside the detection area are counted as OUT if they leave the area.



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**EUROTECH**  
Imagine. Build. Succeed.

## People Counters



## Automatic People and Passenger Counters

### Designed to be the most accurate solution for people counting operations

Eurotech people and passenger counting systems are compact and autonomous devices designed to be installed above doorways in all areas where monitoring is required.

Based on stereoscopic vision technology, our people counting devices ensure reliable and precision performance. Their rugged design makes them suitable to the most demanding environments.



### PRODUCT

- High Accuracy and precision in any light conditions
- Easy to install and set up Vertical Markets
- Simple integration with standard protocols
- Door contact management
- IoT-ready

### CUSTOMER

- Operational and service improvements
- Fraud detection
- Fee calculation
- Optimized route and capacity planning
- Real-time data for analytics

### BENEFITS

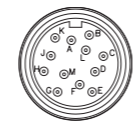
## Technical Features

- **Stereoscopic vision** technology
- **Infrared illumination** for reliability in any light conditions
- **Accuracy ≥ 98%**: not affected by temperature, color, light intensity
- **Precision ≥ 99%**
- Integrated **real-time clock**
- Internal **data memory**
- Accurate detection with **internal Artificial Intelligence**



## Two Models

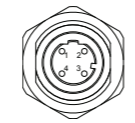
### PCN-1001 RS-485



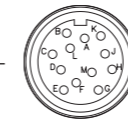
**M1**  
Male 12-pin circular



### DynaPCN 10-20 Ethernet/PoE



**M1**  
Female M12 D-Code 4-pin



**M2**  
Female 12-pin circular

**M1 and M2 Connectors** are for communication and power supply

## Certifications

- **EN50155** and **EN45545**
- Automotive **E-Mark**
- **IP65** sealed magnesium alloy enclosure
- **Extended Operating Temperature** range: EN50155 **Class TX** from -40°C to +70°C (up to +85°C for 10 minutes)



Class TX



## Ready-to-use IoT Solution

Incorporating IoT and cloud infrastructures allows integration with people management applications such as fleet and public transport optimization, allowing train or bus lines and schedules to be adjusted according to the passenger flow.

