PCN-1001

- **Optimizing customer services**
- **Optimizing use of resources**
- **Real-time service planning**



FEATURES

Reliable operation in any type of lighting condition – The PCN1001 features stereoscopic cameras and built in infrared illumination which combine to provide a high precision count accuracy

Robust, lightweight and reliable – IP65 environmental protection, coupled to extended temperature range operation and low power consumption make the PCN-1001 ideal for installation in a variety of applications

Unobtrusive Installation – the compact design of the PCN-1001, featuring an adjustable optical panel, dedicated opto-coupled I/O lines for door sense connections and easy integration and connection of multiple units makes installation both unobtrusive and easy. User friendly configuration software further enhances the ease of installation by allowing configuration of features such as dead zones etc.

- **Passenger monitoring on buses and trains**
- **Real-time service planning**
- **Analysis of people flow through buildings**
- **Optimising customer services**
- **Optimising use of resources**

The PCN-1001 Passenger Counter is a compact and autonomous device based on non-contact stereoscopic vision technology. It has been specifically designed for passenger counting above the doorways of buses and trains; it can also be used to count people as they enter or leave buildings or any area with restricted access.

The Passenger Counter can be easily mounted in the ceiling space above a doorway. The angle of the optical panel can be adjusted; therefore, it can be placed in different positions and on non-horizontal surfaces.

Stereoscopic cameras capture images of the area below the device. Thanks to the integrated high luminosity infrared LED indicators it can operate in any type of lighting condition. The extended temperature range capability allows integrators to use the PCN-1001 in a wide range of climatic conditions. The Passenger Counter analyses the height, shape and direction of any objects that are passing the field of view; if it is determined that the object is a person entering or leaving, the incoming and outgoing counters are incremented accordingly, along with time and date information.

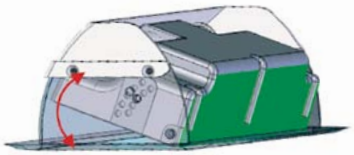
Data transfer is possible via an RS-485 serial bus, while the onboard isolated digital I/O interfaces can be used to directly communicate with intelligent doors or flow control systems, guaranteeing correct functionality at all times: for example, stop counting when the doors are closed.

PCN-1001

Specifications

People Counter





Adjustable optical panel

System Architecture

APPLICATION	Automatic passenger counting solution
TECHNOLOGY	Contactless stereoscopic vision detection
INTERFACES	RS485 interface, 2+2 digital I/O, USB (service)
MECHANICAL	IP65 sealed magnesium enclosure
PSU	DC/DC 9-32VDC
STANDARDS	EN50155 class T1, 2004/104/EC
ACCESSORIES	Starter Kit, configuration software
EXTERNAL PLATE	230 x 100 x 3 mm
DIMENSIONS	PCN-1001 Frame • Height 100 mm • Width 230 mm • Depth 3 mm Required cut out • Height 82 mm • Width 208.5 mm • Depth 41.5 to 70 mm
OPERATING TEMP	-25/+55°C



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