

DynaPCN 10-20

- **Autonomous Counting Device**
- **High Accuracy Under Any Light Conditions**
- **EN50155 Qualified**
- **Easy Installation**



FEATURES

Reliable Counting In Any Type Of Lighting Condition – The DynaPCN 10-20 features stereoscopic cameras with a built-in infrared illumination system which provides a high precision count accuracy in any light and environmental condition.

Robust, Lightweight And Reliable – IP65 environmental protection, magnesium alloy case, extended temperature range operation and low power consumption make the DynaPCN 10-20 ideal for installation in a variety of transport applications.

Unobtrusive Installation – The compact design of the DynaPCN-10-20, featuring an adjustable optical panel, dedicated I/O lines for door sensor connections and easy integration and connection of multiple units, makes installation both unobtrusive and easy.

User Friendly Configuration Software – Enhances the ease of installation by allowing configuration of features such as detection and dead zones.

The DynaPCN 10-20 is a compact and autonomous device based on non-contact stereoscopic vision technology specifically designed for accurately counting passengers entering or leaving public transport vehicles such as trains, metros or buses.

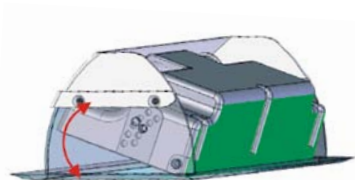
Stereoscopic cameras capture images of the area below the device that are analyzed in real time using a sophisticated algorithm. The Passenger Counter algorithm analyses the height, shape and direction of any objects that are passing the field of view; if it is determined that the object is a person entering or leaving, the incoming and outgoing counters are incremented accordingly, along with time information. Thanks to the integrated high luminosity infrared LED system it can operate in any type of lighting condition.

Tested against extended temperatures and severe vibration levels, the DynaPCN 10-20 grants integrators the possibility to deploy the system in a wide range of harsh conditions typically encountered in transportation applications.

The Passenger Counter can be easily flush 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.

Featuring Ethernet connectivity, the DynaPCN 10-20 can be easily and quickly integrated with an on-board unit that is already available. Eurotech M2M gateways provide full software support for integrating the DynaPCN 10-20 through Eurotech's Everyware Software Framework (ESF).

The DynaPCN 10-20 features digital I/O interfaces that are used to directly communicate with intelligent doors or flow control systems, guaranteeing the best counting performance.



Adjustable optical panel

System Architecture

VISION TECHNOLOGY

- Stereoscopic Cameras
- Infrared Illumination System

COMMUNICATION INTERFACES

- Ethernet Interface (data)
- USB (configuration)

MECHANICAL

- IP65 sealed magnesium enclosure

PSU

- 9-32VDC

CERTIFICATIONS

- CE
- e₂₄-mark
- EN50155 class T1, 2004/104/EC

ACCESSORIES

- Starter Kit

TOOLS

- Configuration software

DIMENSIONS

- 230 x 100 x 45 mm
- 230 x 100 x 3 mm when flush mounted

WEIGHT

- 515 gr

OPERATING TEMP

- -25 to +55°C (+70°C for 10 minutes)



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AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692
Email amall@ameya360.com
QQ 800077892
Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333
Email mkt@ameya360.com