



# EYONEsmart

## Passenger counting sensor



- ✎ Maintenance free - once installed there is no need to readjust the system
- ✎ Maximum accuracy right at the door - thanks to the latest technology
- ✎ Coverage up to 5,90 m
- ✎ Latest technology in a robust housing with appealing design
- ✎ Open data interface via RS485 and Ethernet

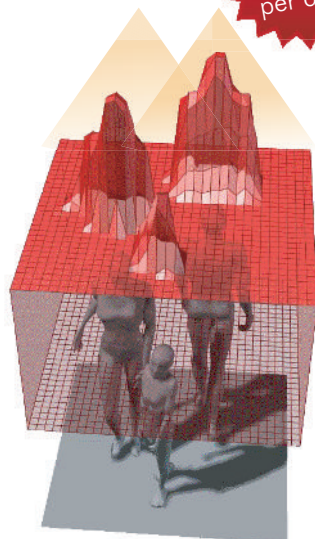
## Passenger counting sensor based on image processing

### THE SENSOR

**EYONEsmart is the latest generation of people counting devices. The sensors were especially developed for the counting of passengers on public transports.**

The "EYONEsmart" consists of a stereo camera system, an integrated power supply and a powerful computer, which proceeds the images in real time.

Only one sensor needed per door!



The sensor generates an elevation profile of boarding and deboarding persons.

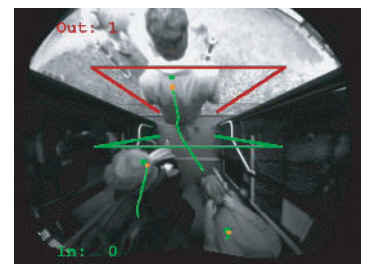
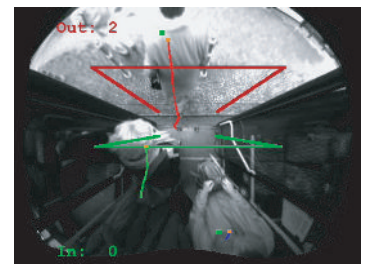
### THE PRINCIPLE

Compared to conventional sensors a three-dimensional image of the entrance area will be generated.

Based on this figure the height of all scanned objects will be calculated.

Due to this procedure a single person can be detected, even in the case of large passenger volumes.

The sensor is simple to install and is no potential target regarding vandalism.



By scanning three-dimensional, a person is always detected with high reliability.

The camera images can be video recorded to document the results of the measurements at a later date. Expensive manual counting is not necessary any longer.



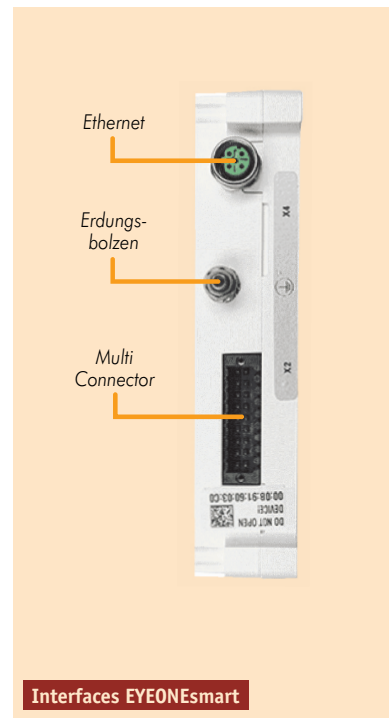
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## TECHNICAL INFORMATION

<b>Technology:</b>	Passenger counting sensor with stereo camera
<b>Video stream resolution:</b>	320x240, ca. 10 fps
<b>Installation height:</b>	2 - 4 m
<b>Coverage area:</b>	1,90 ... 5,90m width (depending on installation height)
<b>Voltage supply:</b>	9 V DC ... 36 V DC
<b>Power consumption:</b>	ca. 4 W
<b>Operating temperature:</b>	-25°C ... +70°C
<b>Storage temperature:</b>	-40°C ... +85°C
<b>Degree of protection:</b>	IP54
<b>Dimensions:</b>	W141,4 x H71,5 x D31 mm
<b>Weight:</b>	400 g
<b>Housing:</b>	Aluminium, powder coated
<b>EMC:</b>	EN50155 (train) ECE type approval (E1) CE, FCC, CSA
<b>Fire protection:</b>	UL94V-0, EN45545
<b>Reliability:</b>	MTBF 500.000 h
<b>Interfaces:</b>	Ethernet 100Mbit/s, M12 socket 2 wire RS485



Interfaces EYEONEsmart

WE  
MOVE YOU  
AHEAD

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