

# ADVANCED PEOPLE SENSOR APS-R-POE



More features - easier installation

The next generation of counting sensors

## BI-DIRECTIONAL PASSENGER COUNTING

- Count boarding and alighting passengers with the highest accuracy available in the market (typically better than 98 percent)
- The APS-R-PoE fulfills VDV 457-2 accuracy requirements
- Up to 10 individual counting lines are possible! Capture separate figures for interior doors, left and right side or upper and lower deck, without the need of additional units

## OCCUPANCY MONITORING IN AN AREA

- Real-time ridership determination, while eliminating cumulative errors that arise with the classical approach of calculating boarding and alighting differences

## VIDEO RECORDING FOR COUNT VERIFICATION

- Record color VGA video files alongside captured measurement results
- Upload files automatically to a remote location
- Recording can be triggered via digital inputs (door contact)
- Privacy options: Persons are not recognizable on videos

## REAL-TIME DATA

- Very short latency time of 50ms.
- Suitable for solutions that require an instant event-triggered activity, e.g. the reopening of a door if a passenger approaches

## INTERNAL DATA STORAGE

- The APS-R-PoE can store captured data over long periods of time in its internal memory, and upload data automatically to a remote file server. This enables a temporary offline operation and simplifies product demonstrations

## EASY SETUP AND COMMISSIONING

- Automatic determination of mounting angles
- Automatic determination of the floor profile and ceiling height
- Intuitive and straight-forward setup of all other parameters via the web user interface
- Instant full performance - no calibration required!
- Easy demonstration to the end-user using color videos with synchronized data records

## TECHNICAL DATA

Power Supply	Power over Ethernet (PoE), IEEE 802.3af class 0; Protected against short-circuit and inverse polarity
Power consumption	5 W
Ambient temperature	EN 50125-1 class T3 Operation: -25°C to +70°C Storage: -40°C...+85°C
Housing	Aluminum
Dimensions	141 mm x 98 mm x 35 mm
Weight	440 g
Ingress protection	IP65
EMC	EN 50121-3-2:2015 EMV 06
Shock and vibration	EN 50125-1 IEC 61373 cat. 1, class B
Failure rate	2000 FIT (= MTBF 500.000 h) in a typical railway environment
Light sensitivity	3 lx .. 300.000 lx High Dynamic Range (HDR)
Coverage	Ceiling height: 200 cm to 400 cm Coverable door width: 160 cm to 560 cm (dependent on height)
Type approvals	Railway conformity according to EN 50155 ECE Type approval for road vehicles CE Declaration of Conformity

## INTERFACES

Ethernet	10/100 Mbit/s, full duplex
Communication protocols	TCP/IP, FTP, HTTP, SOAP/XML, VDV301 (IBIS-IP)
Inputs / outputs	2 programmable digital inputs, 1 programmable digital output, optional USB 2.0 port
Door Coding	4 Coding jumpers to select 16 individual door configurations
Setup / service	Integrated web interface