

PUBLIC TRANSPORT SOLUTIONS

APS-R



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 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 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	12 V DC .. 24 V DC (nom.) 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
Ethernet	10/100 Mbit/s, full duplex
Communication protocols	TCP/IP, FTP, HTTP, SOAP/XML, VDV301 (IBIS-IP)
Inputs / outputs	1 programmable digital input, 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