

# PEOPLE COUNTER

## PRECISION STEREO CAMERA FOR PEOPLE COUNTING

SWARCO TRAFFIC SYSTEMS GMBH is a member of the internationally active SWARCO group, the one-stop shop for road markings, signage, signalisation and traffic management – your reliable partner for traffic solutions.

The SWARCO TRAFFIC SYSTEMS bi-directional People Counter is designed for high-precision counting applications such as passenger counting, customer counting, measuring of visitor flows and facility management.

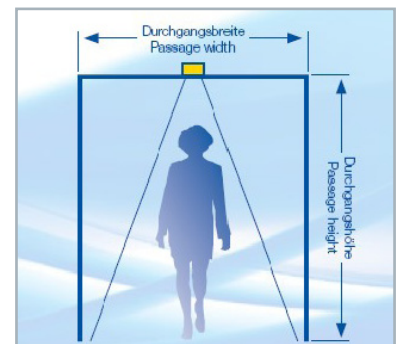
Thanks to the use of a stereo counter and 3D-technology, the People Counter system achieves an accuracy of 98 % even under difficult, uncontrolled conditions.

### FEATURES:

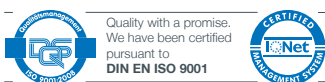
- Quick and easy installation even in variable environments
- Counting accuracy of 98 %
- Compact design
- Combination of stereo camera and special hardware and software components
- Recording and processing of visual information in three dimensions
- Future-proof technology
- No data protection concerns
- Wide application range: Buses, trains, trams etc., airports, terminals, railway stations, shopping centers, retail stores, trade fairs, etc.

### FURTHER ADVANTAGES:

- Improves profitability
- Increases safety
- More precise billing and distribution data
- More accurate key figures for marketing strategies
- More efficient use of human resources



Installation



**PEOPLE COUNTER**

**FUNCTIONAL DESCRIPTION:**

The combination of a stereo camera and specially developed hardware and software components means it can safely record and process visual information in three dimensions. This ensures reliable measuring results even under difficult conditions.

The People Counter counts the number of people entering or leaving vehicles or buildings and how many people are present as well as events. The system requires no special data protection since it only counts and does not identify people.

The high counting accuracy (VDV-conform) achieves an informational advantage which guarantees an increase in efficiency, optimum staff planning and improved energy and environment management. The diecast aluminium housing of the devices vandalism-proofed.

**TECHNICAL DATA:**

Supply voltage	9 V - 36 V DC
Power consumption	approx. 4 W
Operating temperature	-25°C to +70°C
Storage temperature	-40°C to +85°C
Protection	IP50 (DIN EN 60529)
EMC	EN 50022, in addition E1 for buses and EN 50121-3-2 for trains
Fitted height	2.10 m to 3.30 m (other heights on request)
Recording range	0.80 m to 3.50 m
Minimum distance to people	20 cm, other installation options on request
Dimensions	141.4 mm x 71.5 mm x 35 mm
Weight	450 g
Housing	Vandalism-proof diecast aluminium housing

**INTERFACES:**

Communication	1x Ethernet (M12 connector), 1x RS485, (2 wires)
Optional	1x IBIS carriage bus, (4 wires: WBSD; WBMS, WBED, WBME)
Logical protocol	IBIS-based implementation for all 3 physical interfaces, specific proprietary Ethernet protocol
Inputs / outputs	1 digital input, for door contact 1x digital output, potential-free
Optional	1x LVDS, video data output - for parameter optimization and verification of counting accuracy
Set-up / service	Straightforward browser-supported user interface stored on the counter for set-up and service, access via Ethernet

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**SWARCO TRAFFIC SYSTEMS GMBH**

SWARCO TRAFFIC SYSTEMS GMBH is one of the leading suppliers of intelligent traffic systems in Germany. Building on many decades of experience, it offers a wide range of innovative solutions for urban and interurban traffic management, including parking and traffic detection. Its nationwide service and maintenance network guarantees highest possible system availability and improved road safety. With economical, sustainable, and environmentally friendly technologies we help ensure smooth and safe traffic flows.