



The 3D sensor you have been asking for

Next level people counting with embedded AI features

The brand new AIRIA People Counting device is a precise, reliable 3D sensor for next level AI powered visitor counting and analytics. Designed in Germany, AIRIA delivers highly accurate in/out counts and occupancy insights across retail, malls, airports, museums, libraries, and smart buildings.

The sensor's functionality is based on proven algorithms and the 3D stereo-vision principle and offers a vast of opportunities to analyse visitors like age and gender classification and age, store dwell time measurement, staff exclusion and Re-identification (Re-ID). The configuration is easily done via an intuitive web interface and thanks to its many interfaces, the sensor can be easily connected to cloud-based retail analytics software, where it enables a more detailed visitor evaluation.

Numerous other features like group counting or the separation of children and adults – which are particularly used in the retail sector or for managing visitor areas – make the sensor an essential tool when it comes to analysing flows of people. Thanks to the high level of data accuracy, key figures such as sales and conversion rates can be reliably obtained.

Furthermore, the sensor can be used in conjunction with an additional mounting set to determine the number of passers-by and the length of time people spend in front of a shop window. Combined with the visitor counting in the entrance area, the capture (turn-in) rate can be evaluated as well. All the data collected for the analysis is transmitted in real time to our retail analytics platform.

Technical Data

Category	Description
Power supply	Power over Ethernet, Class 4 (IEEE 802.3at up to 25W)
Power consumption	max. 15 W
Operating temperature	0°C to + 40°C
Installation heights	2.20 m to 6.00 m
Coverage width	2.40 m - 6.50 m (depending on installation height)
Tilt angle	+/- 15°
Configuration	Password protected Web-GUI; automatic calibration Individual Pre-Configuration possible
Dimensions (LxWxH)	185 x 93 x 37 mm
Housing	Aluminium, Plastics, Polycarbonate optics protection Colors: Sensor - black (RAL9005) / Cover - white (RAL9003)
Protection class	IP 40
Required illumination	Min. 9 lux
Weight	500 g
Ethernet	10/100/1000 Mbit/s, full duplex, RJ45
Communication protocols	IPv4, HTTP, HTTPS, IEEE 802.1x, DNS, DHCP, NTP, FTP, JSON-RPC API

Brand new embedded AI features

- Gender classification and age estimation
- Store dwell time measurement
- Staff exclusion (via Bluetooth)
- Re-Identification (Re-ID)

Features & Benefits

- Precise people counting with more than 98% accuracy
- Separate counting of children and adults
- Group counting
- Exclusion of U-Turns
- Counting lines and detection zones freely configurable
- Anonymous data processing according to EU-GDPR
- Password protected Web-GUI
- Real-time data output
- Future-proof due to regular feature updates

Easy installation and commissioning

- Suitable for low mounting heights from 2.20 m
- Automatic calibration of the mounting height and tilt
- Powerful remote management
- Verification of counting accuracy
- Mounting kits for flush-mounting or shop windows

CONTACT

Get in touch with us
for more information.

Scan the QR-Code or just
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