

ADVANCED PEOPLE SENSOR

APS-90E



The benchmark for 3D people sensing
Awarded with the IF Design Award 2017

EASY INSTALLATION AND CONFIGURATION

- + Accessories for simple surface, flush or wall mount
- + Suitable for any lighting condition
- + Automatic detection of installation height
- + Local product installation / remote configuration

MAXIMUM ACCURACY IN ALL APPLICATIONS

- + Monitored area up to 20m² (220 sq ft) / up to 10 counting lines
- + Coverage of multiple counting points with a single device
- + Accuracy of at least 98% even in crowded areas

OBJECT CLASSIFICATION

- + Separate counting results for adults and children
- + Classification of non-human objects such as shopping carts
- + Suppression of false counts due to non-person objects

ZONE MONITORING

- + Up to 8 individual zones of polygonal shape
- + Fill level, dwell time and waiting time per zone
- + Suitable for automatic queue and cash register management

WIRELESS SERVICES

- + Bluetooth and Wi-Fi device scanning
- + Wireless access to the web-based configuration tool
- + Wireless data transmission

RELIABLE DATA

- + Synchronous recording of video and motion data
- + Proprietary software to view video and motion data
- + Offline verification of counting accuracy and behavioral data

TECHNICAL DATA

Operating Voltage	Power-over-Ethernet (PD class 0) 24V DC (IO-version)
Power consumption	< 8W
Operating temperature	0°C ... +55°C (32°F ... 130°F)
Storage temperature	-40°C ... +85°C (-40°F ... +185°F)
Ingress protection	IP30 (DIN IEC 60529)
Installation height	2.00 m ... 3.50 m (6.5 ft ... 12 ft)
Monitored area	Up to 4 m x 5 m (13 ft x 17 ft) (depends on installation height)
Dimensions	160 mm x 160 mm x 42 mm Flush Mount: Ø 143 mm -150 mm 6.3 in x 6.3 in x 1.7 in Flush Mount: Ø 5.6 in -5.9 in
Weight	400 g (14 oz)
Housing	Aluminum & Plastics
Required illuminance	3 Lux
EMC	CE, FCC
Reliability	MTBF 500,000 h, Useful life > 10 years
INTERFACES	
Ethernet	1000BaseT, PoE, RJ45 socket
Communication protocols	SOAP/XML, HTTP, FTP, REST other IP-based services and custom protocols possible
USB port	USB 2.0, type host
Digital inputs / outputs	3 inputs / 3 outputs (IO-version)
Setup / service	Integrated web interface
On-board data storage	8 GB

