ADVANCED PEOPLE SENSOR

APS-90E

EASY INSTALLATION AND CONFIGURATION

- Suitable for any lighting condition
- Automatic detection of installation height
- Local product installation / remote configuration

MAXIMUM ACCURACY IN ALL APPLICATIONS

- Monitored area up to 30 m² (322 sq ft) with one device
- Up to 255 m² (2745 sq ft) when using the optional sensor fusion solution
- Up to 10 individual counting lines are possible per device
- Accuracy of at least 99 % even in crowded areas

OBJECT CLASSIFICATION

- Separate counting results for adults and children
- Classification of shopping carts
- Detection of shopping groups
- Elimination of false positives caused by 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
- Detection and exclusion of U-turns

WIRELESS SERVICES

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

RELIABLE DATA

- Simultaneous recording of video and motion data
- Tailored software application to view video and motion data
- Offline verification of counting accuracy and customer behavior

TECHNICAL DATA

Operating voltage	Power-over-Ethernet (PD class 0) or 24 V DC (IO-version)
Power consumption	< 8 W
Operating temperature	0 °C to +55 °C (+32 °F to +130 °F)
Storage temperature	-40 °C to +85 °C (-40 °F to +185 °F)
Ingress protection	IP40 (DIN IEC 60529)
Installation height	**Standard mode:** 2.00 m to 4.00 m (6.6 ft to 13.1 ft) **Extended mode:** up to 6.00 m (up to 19.7 ft)
Monitored area	Up to 30 m²/6 m x 5 m (322 sq ft / 19.7 ft x 16.4 ft) depends on installation height
Dimensions	160 mm x 160 mm x 42 mm (6.3 in x 6.3 in x 1.7 in) **Flush Mount:** Ø 143 mm - 150 mm (Ø 5.6 in - 5.9 in)
Weight	400 g (14 oz)
Housing	Aluminum and 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, Google Pub / Sub, IBM Watson, 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

ACCESSORIES

Generic mounting kits for simple surface, flush or wall mount and WiFi and Bluetooth adapter are available

SETUP AND SERVICE

- ✓ Secured by multilevel user and rights management
- ✓ Customizable WebGUI (logo, colors)
- ✓ Automatic detection of installation height and tilt angles
- ✓ Remote maintenance and updates
- ✓ GDPR - Data protection by design and default ensured