

PedMon™

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FEATURES

- Real Time count of In/Out Numbers
- Coverage of wide doorways
- Graphical Display of Sensor locations
- Data can be displayed and stored locally or through network
- Data can be exported to standard software packages

PedMon™ is a real-time people monitoring system that counts the number of people passing through doorways or passageways (In and Out) and combines these counts to provide a measure of building or area occupancy.

PedMon assists operations planning, management, and control of resources through the capture of useful and reliable data on the numbers and movement of freely circulating people.

PedMon has applications in many retail and municipal venues:

- In retail stores, PedMon can measure effectiveness of promotions and store layout, reduce costs by matching customer traffic with appropriate staffing levels and measure conversion of visitors into customers

- In malls and shopping centres, PedMon can be used to determine the best sales areas, which can be used to assess rental/lease values
- In airports and train stations, PedMon can be used to optimise movement of business and transit trains
- In casinos and theatres, PedMon can be used to aid compliance with occupancy and safety standards
- In museums, libraries and exhibit halls, PedMon can measure throughput of visitors in real time

The main components of the PedMon system are the sensors and the control system software. The sensor is mounted above the doorway or passageway. Data from the sensors is used to obtain real-time displays of in/out numbers, occupancy at selected locations and an analysis of pedestrian flow patterns.



SYSTEM HIGHLIGHTS

PedMon™ uses an electronic sensor manufactured for installation above a doorway. The sensor is based around a phased array of passive infrared and optical presence detectors. These, along with the processing electronics are enclosed in a single housing, manufactured to cover the desired door width.

The sensors are suited for mounting at approximately 6 to 10 feet (2 to 3 metres) above the ground. By its nature, this unit draws a virtual line in space and tracks people crossing it in either direction. Sensors may be connected over direct serial or 10base-T.

Specifications

PedMon is supplied in standard sizes. For a full list of sizes please contact CEM Systems.

Length	The sensor is 22cm (8.5in) longer than the aperture covered. For example, an aperture of 129cm (50in) will mean the sensor is 151 cm (58.5in) and should be mounted with an 11cm (4.25in) overhang either side
Recommended Installation	2 to 3m (6 to 10ft) from floor 10 to 15cm (4 to 6 in) from wall
Cable Requirements	Shielded copper 2 pairs for RS422/232 (5 metres max) cable direct to mains (110V or 220V).
Mains Power Supply	100-250V AC 50/60Hz 25W
Accuracy	95-97%

Software Application

The software application facilitates the configuration of the sensors and records the traffic flow count. This data may be exported to standard applications, such as Excel®, to allow reports to be generated. The software is available to support one, four and sixteen sensors.

Minimum Host Computer Requirements*

Processor	450 MHz Intel® Pentium® PIII
Memory	64MB RAM
Hard Disk	10GB
Floppy Drive	3.5in, 1.44MB
Operating System	Windows®98, Windows®2000 and Windows® NT 4.0 Server or Workstation (Service Pack 6)
Monitor	17 in 1024 x 768 resolution
Mouse	PS/2 bus type
CD-ROM Drive	IDE
Ports	RS232, RS485, RS422, 10Base-T Ethernet Option

* Can also be configured on a network server. Please check with CEM Systems for minimum server requirements

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