NORTECH
HEADCOUNT

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TALUS

Talus employs a patented method of counting by pattern recognition. The counter has four laser-like sensors mounted at ankle height. As a person walks through the count zone the sensors are sampled to produce a pattern. The pattern is then processed by the on-board neural network that was trained to count people. The neural network functions in similar fashion to the human brain. Essentially a matrix of neurons is interconnected with mathematical functions, a stimulus (in this case the pattern from the sensors) is presented to the network, this is then processed to present an output, which in the case of Talus is the IN and OUT counts. The neural network was trained by “show and tell” on over 35 000 patterns recorded at various sites to enable a representative a priori data set for training. Talus does not produce a count by comparing to known patterns or some other linear method, but rather, the result is obtained by neural calculation for each pattern presented.

FEATURES

- Greater than 96% accuracy.
- Bi-directional customer counting.
- Slim form factor and aesthetically pleasing device.
- Seamless integration onto the HeadCount network.
- Powerful detection and pattern recognition algorithms.
- Single counter can cover a width of up to 10 meters.
- 8MB non-volatile memory for 30-day storage of counts.
- Modern and fast 32-bit microprocessor.
- Advanced power solution for RTC (Real-Time Clock).
- Onboard laser for swift and quick alignment, reducing setup time.
- Remote access for diagnostic interrogation and firmware updates.

COUNTING APPLICATIONS

Talus is intended for customer counting in: Shopping Centres, Retail, Airports, Casinos, Libraries, Museums, Galleries, Hotels, Convention Centres, Smart Buildings.

COUNTING SOLUTIONS

Entrance Counting	Intended for property owners who wish to accurately measure foot traffic into their establishment.
Passage and Inter-Level Counting	Entrance counting evolves to passage and inter-level counting whereby human occupancy can be measured according to segmented and defined areas and zones.
Retail Counting	Passage and inter-level counting naturally evolves to retail counting as the movement of customers can be monitored from the common areas into the retail stores by measuring foot traffic at each shop.

NETWORK MODELS

Contact	info@headcount.com for the correct solution for your specific application.

PERFORMANCE

Accuracy	> 95% per 200 people sample.
Maximum Width	10m.

MECHANICAL

Housing	Anodised Aluminium.
Mounting	Recessed or Floor-mount.
Tray Dimensions Recessed	517mm x 113mm x 40mm (w x h x d).
Dimensions Floor-Mount	679mm x 174mm x 12mm (w x h x d).
Dimensions	627mm x 165mm x 80mm (w x h x d).

ENVIRONMENT

Operating Temperature	-10˚C to +60˚C.
Storage Temperature	-40˚C to +80˚C.

COMPLIANCE

Standard	CISPR22, CISPR24, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-6.

ORDERING INFORMATION

Contact	info@headcount.com for the correct solution for your specific application.