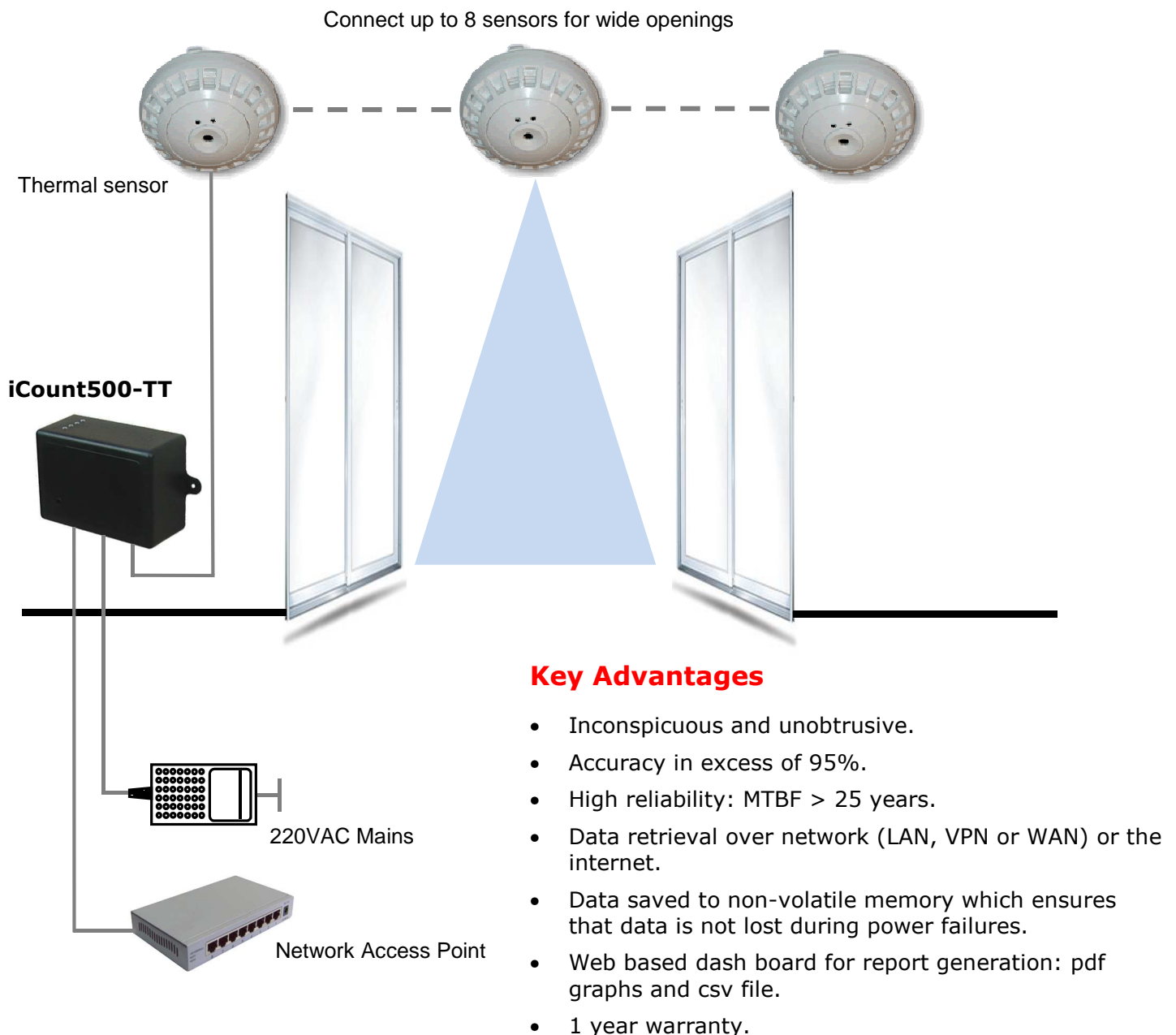


Thermal and Tracking Counters (TT)

Our thermal and tracking people counting system uses thermal sensors to sense the heat emitted by a person. The sensor tracks people while they are walking and counts them as they enter or exit. The sensors are mounted overhead in a downward looking manner, with an unhindered view of the target area.

The sensors can be mounted at heights of between 2.2m to 7.5m. Up to 8 sensors can be connected together to achieve a sensing width of 24m.



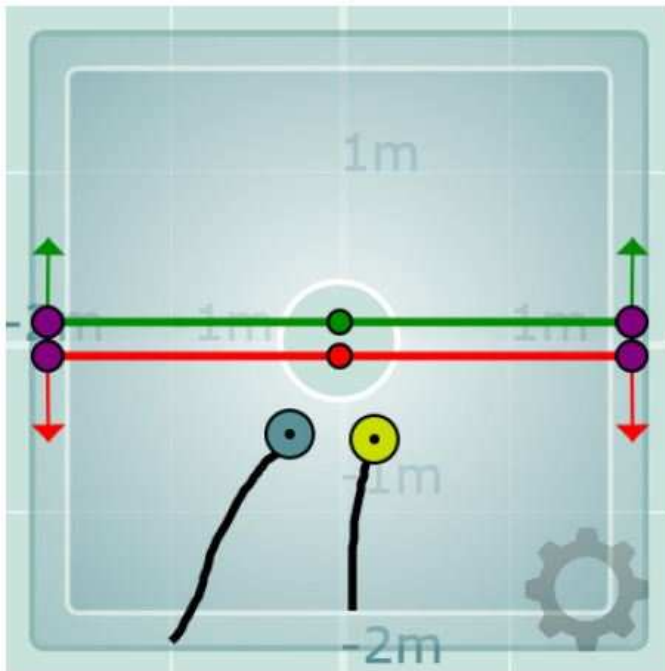
Coverage Area

The sensors are used in a downward looking manner, with an unobstructed view of the target area. The sensors function optically, seeing the heat emission from a person as infrared radiation, through a germanium lens.

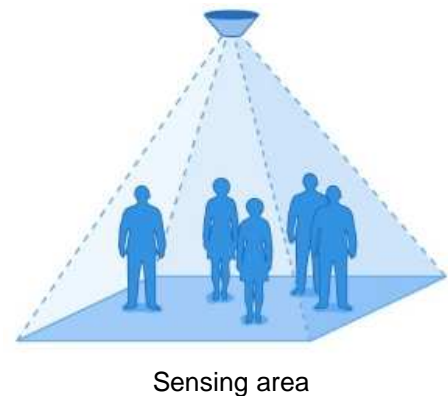
The principle of operation may be visualised as being a square pyramid with a 60° apex. The sensing area is a square on the floor whose width is approximately equal to the mounting height; e.g. at 3.5m the sensor 'sees' a 3.25 x 3.25m square on the floor.

Virtual counting-lines are defined in the scene by the installer using a PC based set-up tool. Counting occurs when people passing through the scene cross the counting lines in a defined direction.

The sensors may be used as single counting nodes or configured to span a wide opening. In the wide opening mode up to 8 sensors are linked to span the opening and will appear as a single counter unit with a wide 'footprint'. The wide opening mode contains intelligence that prevents possible multiple counting at the interaction between adjacent sensors.



The sensor 'sees' heat emitted from a person and tracks them as they walk



Specifications

Thermal and Tracking	
	iCount500-TT
Memory Capacity	5 months
Logging Interval	Hourly
Sensing Distance	Up to 24m
Directional	Bi-directional (<u>can</u> distinguish in and out)
Mounting	Overhead above entrance or exit
Data Retrieval	Over company network (WAN) or internet
Counter Power	15VDC (Power supply)
Sensor Power	From counter