



## **People Counting System**

**For: Malls, Shops, Conferences, Amusement Parks,  
Bars and Clubs, Tourist Attractions, Museums, etc.**



We have the accurate answer to your question:  
*“How many exactly?”*

- Safety
- Security
- Crowd Control
- Revenue Control
- Staff Management
- Authorities Regulations Compliance

# System's Components

## ① People Detectors:

The system can use many types of sensors to detect people:



Full Height Turnstiles



Tripod Turnstiles



Thermal detectors



Side self reflect Sensors



Portable Lanes with sensors



As part of OTOT Access System

## ② Controllers and communication:

Otot dedicated **Counting Controller** is used to gather data from input sensors, Process that data, display the data, store is- and also transmit it to main server.

The sensors information to the Counting Controller is transfer in 2 ways:

- ① Directly: sensors to controller
- ② Indirectly: Using RS485 Data Collectors

The data from the controller to main server is transfer in 3 ways:

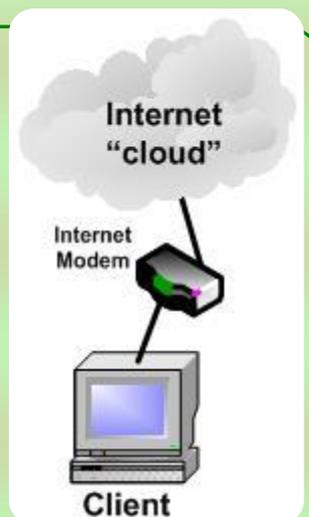
- ① Local Wired LAN: normal TCP/IP LAN in the stadium, 10Mb or 100MB
- ② Local Wireless: any standard wireless connection: WiFi, Access point, etc.
- ③ Remote (cloud) processing: using direct connection from the controller to remote web server. and from there. to anv PC. anywhere. anv time.



## ③ Counting Software:

The **Counting Software Application** is running at the main server, which is located in the stadium control room, or at remote location...

1. That counting data is stored in SQL type Data Base
2. The event's details (date, hours, teams, etc. etc.), are also resident in the Data Base.
3. The software provide the following information, in real time, for each gate, and for the complete stadium:
  - a. **How many** people entered, how many exit, **how many inside**
  - b. **Rate:** what is the entry rate, according to last 10 minutes
  - c. **Prediction:** According to last 10 minutes, when the gate/stadium will be full?
4. **Event management:** Each event is stored in the database by name, date etc.
5. **History:** all relevant information from each event is stored, for future analysis if needed.
6. **Reports:** After each event, a specific report is done, to be given to local authorities.
7. **Display:** The information on the screen is by graphical layout of the stadium, or graphs, or tables, can be exported to Excel sheets. Also, it can be printed on paper when needed.



## The Overhead Thermal Detector

**The Overhead Thermal People Detector** is considered as the **best price - performance sensor** in the world. The technology is an advanced thermal imaging "camera" sensor, which detects people moving by the heat of the human body.

### The key benefits include:

- Overhead installation leaves the entrance clear and open
- Can cover 2 to 4 meters wide entrance by each detector
- Operation independent of ambient light
- Minimal setup using a Windows computer
- User-Definable Count Lines & functionality
- Output by standard pulses or by TCP/IP communication port
- Wide Opening Capability up to 8 units
- Lower installation costs
- Low ongoing support costs

The combination of all advantages above, and its high accuracy rate at a reasonable price, makes this sensor so special and requested all over the world!



## Complete OTOT Counting System's highlights

- ✓ Real Time People Counting, starting each day at preset time.
- ✓ Counting all entries and all exits, and calculating the presents.
- ✓ Counting results for each entrance, as well as the entire site.
- ✓ It was approved by the Police as a Safety Counting System
- ✓ Allows using practically any counting detectors: turnstiles, thermal, Infrared, etc...
- ✓ Data transfer from field detectors by direct cable connection, or by LAN or WIFI
- ✓ The computerized system allows real time event monitoring
- ✓ The system can issue an alert when the site reaches its pre-set maximum capacity
- ✓ A graphical display of each entrance, as well as the entire site, for entries and occupancy
- ✓ Allows real time comparison of entries against expected amount of visitors
- ✓ Enable "End of Day" printed report, with all important information.
- ✓ Also enable exporting to MS Excel many reports of present time and past history
- ✓ Saves all information for future use, and comparison of similar events
- ✓ Allows authorized users to view counting info at real time over the internet
- ✓ Other features available on request!

