



IRISYS IP People Counter Features and Benefits

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IRC3000 Series IP People Counter Features and Benefits.

- **Advanced thermal tracking and counting technology:**
 - High performance passive infrared detector with extremely high count accuracy and consistency.
 - Simple to configure and more robust than video based solutions.
 - Ground plane based tracking and count line configuration:
 - Simplified system setup and commissioning.
 - Seamless tracking between counters with automatic handling of overlap regions.
 - Subject positions, count lines, and detector coverage all displayed on a single ground plane view.
 - Count lines for multiple counter (wide entrance) configurations are continuous across all counters on ground plane.
 - Advanced tracking techniques:
 - Seamless tracking between counters.
 - Subjects seen by multiple detectors are intelligently associated into a single target.
 - Seamless tracking of subjects appearing to change temperature due to background temperature variation.
 - Intelligent grouping of thermally fragmented subjects.
 - Grouping sensitivity control for fine tuning performance.
 - Four count modes for handling difficult counting environments, e.g. cross traffic, people who 'U-turn' etc.
 - Immediate or deferred counting modes with optional configurations to suit customer preferences and installation types.

- **Internet connectivity and configuration:**
 - Local and remote setup using intuitive browser-based Microsoft 'Silverlight' web application.
 - Password protected browser access to counters.
 - A serial set-up application is also available for professional installers and operations staff.
 - Access to count logs, diagnostics, and system configuration via remote IP connection. Connection can be initiated by counter for access through local firewalls if required.
 - Wide entrances configured through single access point.

- **Built-in count logging:**
 - Fully configurable count logging system capable of storing, for example, 14 days of count data at 15 minute intervals.
 - Built-in system with non-volatile storage.
 - Battery-backed real-time clock timestamps.

- **APIs for system integration:**
 - WIN32, .NET, Java, and Linux APIs giving local or remote access to count log, system configuration, and diagnostic systems for system integrators and application developers.
 - Sample code to demonstrate API usage and simplify development.

IRC3000 Series IP People Counter Accuracy Tests.

- **Accuracy tests:**

- A comprehensive set of walk tests have been carried out on the people counter. The tests have been carried out at various mounting heights and in single unit and dual (wide-opening) configurations. The results of the tests are shown in the table below.

Unit Config	Mounting Height (m)							Combined
	2.2	2.5	3	3.5	4	4.5	4.8	
Single Unit	96.42%	98.01%	99.75%	99.45%	99.00%	98.45%	98.78%	98.55%
Dual Unit	97.01%	98.22%	99.78%	99.50%	99.11%	98.79%	99.00%	98.77%
Number of Walks	480	480	210	480	210	480	480	2,820

- These tests have been carried out using test groups of single, pairs and groups of people walking at different speeds and in different arrangements.
- The results of these tests represent the performance that one would expect from an Irisys counter installed in an ideal environment, with default discrimination sensitivity.
- In a real-world environment, installers would typically fine tune the discrimination sensitivity and could actually improve on these results.
- For the most accurate results, counters should always be installed according to Irisys' installation principles by installers who have been trained to carry this out.