



Personnel - Event and Crowd Management

Monitoring the Movement, Safety and Activities of Participants at Large Scale Events

Solution Benefits:

- Wirelessly monitor, count and track access and movement of individuals at an event of any scale or size
- Cover large passage ways of over 30m wide
- Securely store personal data on a badge tag for quick medical and safety retrieval
- Validate schedule adherence on an individual tag basis
- Easy to deploy and integrate with existing networks and access control, both indoors and outside
- Fixed and mobile access points to provide comprehensive coverage
- Standards-based: ISO/IEC 18000-6:2010 and EPC Global C1G2

The Intelleflex Solution for event and crowd management provides the ability to wirelessly and unobtrusively monitor the activities of individual participants at large scale events such as cultural and social gatherings. It provides on-demand visibility regarding the location of individuals as well as capturing and maintaining their personal history and information to improve crowd flow, manage access privileges, improve medical service delivery, guest safety and comfort.

The Need for On-Demand Visibility

At large scale events, organizers are challenged with cost-effectively managing crowd flow, tracking the location of individuals at an event, and ensuring their safety and comfort. While some solutions may be sufficient for short-range admittance control to a building or location, they are not adequate for covering large areas, tracking the movement of individuals within an area, or monitoring crowd behavior. The Intelleflex platform enables crowd monitoring (attendance and group speed), as well as managing individual safety and security by securely storing important individual information at the tag level. This powerful combination of scalability and functionality – managing personal safety and comfort while scaling to support events with tens of thousands of people – is the a unique attribute of Intelleflex XC3 Technology™.

The Challenge

Managing the flow of individuals and groups at large-scale events is a massive task. It's important to monitor the flow of crowds to ensure their safe and constant movement without interruption. Further, it is critically important to quickly detect crowd disruptions, and proactively avert uncontrolled behavior that may result in damage or injury. It's also critical to have the ability to monitor access to specific areas or facilities, to track the movements of guests and visitors and, in many cases, associate personal information (such as identity, medical records and access privileges) with a specific visitor. Adapting multiple proprietary solutions to address all of these needs can present an integration challenge and quickly become cost-prohibitive.

To ensure that visitors and guests are safe and in the appropriate place, it's essential to securely monitor their location at key points, and also provide response personnel with access to tag information through mobile devices.

The Solution

Intelleflex solutions help ensure the security, safety and efficiency of your event – whether large or small. We combine the power of our Extended Capability RFID™ system with your existing systems to wirelessly monitor and manage guest and visitors' location on-demand, enabling real-time decision making and improved crowd control. Locating Intelleflex fixed readers at entry, exit and traffic flow points throughout an event provides an automated and easy-to-deploy solution.

Our badge and wrist tags can be easily worn by individual attendees and provide the ability to securely store information about each individual that can be instantly read for identification, access control and medical emergencies . With Intelleflex, you have the ability to quickly and accurately identify and locate a person, and monitor the movement of individuals and groups at an event. Our handheld readers can also be easily utilized by health care and security staff to instantly access an individual's medical and personal records in the event of an emergency.

Well suited for indoor and outdoor use, Intelleflex offers a silent and secure architecture. Wireless transmission between reader and tags is encrypted via activation and cover codes, as well as secure data access to ensure confidentiality. Optional AES encryption for mutual tag/reader authentication provides unparalleled security. Intelleflex solutions can be easily integrated with your existing security systems and networks. Based on published industry standards, Intelleflex readers, antennas and tags work with application specific system software to provide a robust solution.

Intelleflex solutions are designed for the most demanding environments. Tags can be automatically and reliably read at distances of 100 meters or more, under clothing and in RF challenging environments that include metals and liquids. Intelleflex tags are cost-effective and can be designed to last for months or years, based on your requirements. Our tags feature onboard memory with the ability to securely store individual information (including name, photograph, location and medical history). Optional tamper detection and AES based authentication further extend tag functionality.

XC3 Technology

Intelleflex solutions are enabled by Intelleflex XC3 Technology, allowing us to deliver the capability of active RFID-based solutions at a fraction of the cost.

- ISO/IEC 18000-6:2010 and EPC Global C1G2 standards-based
- Deliver read ranges in excess of 100 meters
- Easily read tags and monitor status and locations of individuals and groups
- Operate seamlessly in RF unfriendly environments around clothing, metals and liquids
- Tags include on-board memory for tracking and storing information about the person with multiple levels of security
- Intelleflex offers handheld and fixed readers, multiple form factor tags and antennas, as well as starter kits for piloting projects

Intelleflex Products Related to this Solution

- HMR-9090 Handheld and FMR-6000 Fixed Readers and Antennas
- BAT-8300 Badge Tag

For More Information

To learn more please visit our website or contact us directly. We look forward to hearing from you.

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