



Personnel - Infant and Patient Monitoring

On-Demand Visibility for Health Care, Patient and Infant Monitoring

Solution Benefits:

- Wirelessly monitor and track access and movement of individuals and equipment within a facility
- Non-intrusive wireless architecture for hospital environments
- Data security for patient confidentiality
- Standards-based: ISO/IEC 18000-6:2010 and EPC Global C1G2
- On-demand information for real time decision making for security control
- Easy to deploy and integrate with existing networks and access control

The Intellex Solution for health care, infant, patient and mobile asset monitoring provides on-demand visibility regarding the location of individuals and equipment. It delivers the ability to monitor the entrance or exit of a facility as well as restricted or public areas, the location of the individual or asset within facilities, and the location history. With Intellex XC3 Technology™, you can easily and cost-effectively monitor staff, patients and newborns—as well as the location of valuable mobile assets—and ensure successful and safe operations at hospitals, clinics and other health care facilities.

The Need for On-Demand Visibility

Health care providers are challenged with improving security within their facilities to protect employees, patients and newborns. To improve operations, it is important to continuously track the location of assets including mobile equipment, carts, gurneys and monitoring devices. Legacy access control systems may be sufficient for short-range admittance control to a building or location but provide no information about the status or location of an individual or an asset in the facility. This presents a liability regarding tracking patient location, unauthorized exit from a facility or kidnapping, and offers no value for managing and tracking assets. Increasingly, health care directors, physicians and other health care workers need to know in real-time the location and status of patients, infants, staff and equipment in their facilities.

The Challenge

From hospitals to urgent care facilities and medical clinics, managing the flow of personnel, patients, newborns and visitors is critical to ensure safety as well as the security of your facilities and operations. In addition, the vast array and value of mobile assets requires constant monitoring and tracking to ensure it's available when it's needed for use or for maintenance.

Traditional access control systems provide limited information on the location of individuals within a facility. These systems lack the ability to track multiple people at the same time and cannot track or locate mobile assets such as gurneys, carts, monitors and other equipment. Active RFID-based solutions offer more capabilities but use proprietary technologies, locking you into a

single vendor. They are also far more costly and offer limited battery life. To protect patients and ensure that they don't accidentally or involuntarily leave a facility, it's essential to securely monitor their location at all times, especially at entry and exit points.

The Solution

Intelleflex solutions help ensure the security and safety of your hospital, clinic or health care facility. We combine the power of our Extended Capability RFID™ system with your existing systems to wirelessly monitor, detect and track employees', patients', infants' and visitors' location on-demand, enabling real-time decision making and control. We also deliver the ability to track and manage mobile assets to improve operations and efficiency.

Locating Intelleflex readers at entry, exit and traffic flow points throughout a facility provides an automated and easy-to-deploy solution. Our tags can be read through pockets, jackets, packages, carts or other equipment at distances up to 100 meters. This provides the ability to quickly and accurately identify and locate an adult or infant or an asset as well as the capability to secure your facility against involuntary egress, kidnapping or theft. Tags can be tamper proofed with secure straps to prevent unauthorized removal.

Well suited for hospitals and medical facilities, Intelleflex offers a silent and secure architecture. Wireless transmission between reader and tags is encrypted via activation and cover codes, as well as user and block memory 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. Intelleflex readers, antennas and tags work with motion detection systems to provide a robust solution to identify the presence and location of unauthorized personnel.

Intelleflex solutions are designed for the most demanding environments. Intelleflex tags are cost-effective, reusable and have a typical battery life ranging from one to four years. Our tags feature onboard memory with the ability to store information about the person (name, photograph, location history) or an asset (asset number, maintenance and location history). Optional tamper detection and sensor capabilities 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
- Read ranges in excess of 100 meters
- Easily read tags and monitor conditions and locations of people and assets
- Operate seamlessly in RF unfriendly environments
- Smart strap tags to eliminate unauthorized removal from infants
- Tags include on-board memory for tracking and storing information about the person or asset 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
- Fob Tag, Badge Tag, Infant and Mother Tags

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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