CALLVISION®
Seconds **Save Lives**

ASSET TRACKING SYSTEM

Asset Tracking System helps the items stay in the desired locations by tracking the location of the fixed and moving items. It also performs the inventory counts. By this system, items that are critical for diagnosis, treatment or emergency interventions, as well as fixtures, assets and any other items can be easily tracked and controlled.

Asset tracking is handled with two ways. Active tracking and passive tracking. In active tracking, the CALLVISION Active Label device is attached to the moving items. This device transmits instant location information to CALLVISION RF Location Scanners. If Active Label is removed, it sends a warning to the system. Battery powered Active Tags do not need to change batteries for a long time thanks to their low energy consumption. The system warns when the batteries are about to run out.

In passive tracking, passive RFID tags are attached to the items. The items tagged are identified on the rooms/spaces with the CALLVISION Handheld Terminal device. When a count is started, the authorized personnel points the Hand Terminal device from the door of the room towards the room andshows it around. By the RFID system, the items in the room, the items that should be in the room but not in the room, and the items found in the room when they should be in another room are shown on the Hand Terminal screen. The same information can be accessed from the C4S system. In addition, in passive RFID tracking, reader antennas are placed at the exit doors of the hospital to provide a warning in case of theft. This prevents the tagged devices out of hospital.

SYSTEM UNITS

- Active Tracking Tag
- Passive RFID Tag
- RF Location Scanner
- Handheld terminal
- C4S software - Command Control Communication and Code System

1. CALLVISION Active Tracking Tag

CALLVISION Active Tracking Tags are designed for tracking fixed items, movable items, inventory or items of any desired type. Active Tags that are affixed to the item to be tracked provide the realization of real time location tracking by sending wireless (RF) signals to the CALLVISION RF Location Scanner periodically or action-oriented. The location is updated when the motion is started, finished, or when the person carrying the device rotates.

If the active tag is removed from the item it is attached to without permission, a call is sent to the system. In CALLVISION systems, this call is indicated as "Brown Code" and indicates unauthorized displacement / theft. The battery life of Active Tags is 5-10 years, depending on environmental conditions.

ASSET TRACKING SYSTEM

2. CALLVISION RF Location Scanner

CALLVISION RF Location Scanner products transmit the data they receive from the devices in the field to the system with wireless communication. RF Location Scanners are an essential part of wireless tracking systems and work like a base station. These devices receive the encrypted signals coming from CALLVISION devices (Smart Badge, Asset Tracking Active Tag, Mother-Baby Bracelet and Patient Bracelet) that generate active datas, process them and transmit them to the center. CALLVISION RF Location Scanners are installed to the infrastructure of the facility. They are placed on the ceilings to cover the entire area in line with its range. They communicate wirelessly with both tracking devices and each other and send all data to the system by a single device with an ethernet connection.

3. CALLVISION Handheld Terminal

The Callvision Handheld Terminal Product is used to activate the items to be tracked in the hospital, to register the location and inventory counts. The items registered to the system can be monitored through the c4s Command Control Communication and Code System, and the location of the item can be easily found.

4. 4.C4S- Command, Control, Communication and Code System

C4S Command, Control, Communication and Code System is a code system in which CALLVISION products are commanded and controlled and r esponsible for the communication of some products with each other. System users can access the entire system and devices via C4S. There are 5 different main systems in C4S, these are Active Tracking, Passive Inventory Tracking, Medical Gas Monitoring, Medical Isolated Power Panel Monitoring and Management pages. With the active tracking system, instant locations and past movement reports of all RFID tracking devices in the field can be observed. In addition, they can make adjustments on these devices and create location-based rules (eg, the ultrasound device should not leave the radiology department). C4S can work as web-based or cloud-based. So, it is possible to use the system on computer or mobile device.

Callvision RF Location Scanner   Callvision Handheld Terminal   Callvision Active Tracking Tag