Ghost Protocol

Health_Care_Solutions

"Ghost Protocol strive to provide a healthcare environment where patient and medical staff can feel safe and secure. "

SECURITY BUSINESS BENEFITS

01   **Secure Healthcare environment**

- Increase situational awareness
- Provide secure access to facilities
- Protecting assets
- Ensure 24/7 secure operation

02   **Offering security to each patient and visitors**

- Analyze live footage to increase security measure.
- Maintain patient security and privacy by delivering security in each step.
- Infant tracking and peace of mind.

INDUSTRY DEMAND

01   Centralized management.

02   Video surveillance system with high availability.

03   Ability to respond quickly to active alarms.

04   Ability to integrate add-on products and third-party applications such as video analytics, face recognition, access control or license plate recognition or Assets tracking or Fire alarm.

05   Ability to always access video recordings of critical situations.

06   Multiple levels of user access rights and audit trails.

07   Ability to locate medical staff in all facility.

08   Ability to track Medical assets movements across the hospital.

09   Integrating security devices into single platform for simplified management and monitoring.

OUR SOLUTION AND FEATURES

01 Video surveillance and life footage for all gates, waiting areas, entrances, corridors, labs and other critical areas inside hospital or medical cities.

02 Access control and management to control access to labs, secure zones, warehouses, operations rooms and others.

03 Software based video analytics

04 Tracking assets using RFID tags and readers

05 Fleet Management

06 Fire Alarm system

07 Low Current system (Public Address, Master Clock, Nurse call)

08 IPTV system

APPLIED SCENARIOS

◆ CCTV

01 Live and efficient monitoring for all cameras by defining motion setting and zone setting and area of interest to receive notifications of motion within specific time.

02 Tracking people in all cameras using neighboring features. User can track any person he sees in a live view or archive by clicking neighbor cameras so it will automatically open the next cameras in which this person of interest appears on it without the need to select from a list or from a map.

03 Select a camera to switch to archive view within the same live window, while other cameras on the same interface remain in the live view.

04 Share a specific view between the operator and the security manager or the dean for any event so he can jointly see the same interface you are seeing.

05 Tag a specific user with an event so he can receive event details and modify and assign tasks to other users.

06 Possibly lock a portion of the archive in case any investigation is happening on an incident so that no one can overwrite or delete this archive until the investigation finish. This portion can be tagged also for easy search later.

07 Detection of wanted person using facial recognition within a hospital facility.

08 Area counting to detect the average waiting dwell time for visitors in front of any customer agent or clinic.

◆ VIDEO ANALYTICS

01 Counting people in some entrances or department to provide statistics on number of visitors and peak time.

02 Manage access to parking using LPR for visitors or staff by directing each person to the correct parking based on his access rights.

03 Detect any left object as a suspicious object so that security guard can do the inspection to protect patients and staff life against possible attack.

04 Send a medical help in case anyone slip and fall inside any building and no one was there to help.

05 Monitor fixed assets by getting alarm in case this asset is moved from the scene.

APPLIED SCENARIOS

06 Detect if any car parked in unwanted place like emergency entrances.

07 Detection of wanted person using facial recognition within a hospital facility.

08 Area counting to detect the average waiting dwell time for visitors in front of any customer agent or clinic.

◆ ACCESS CONTROL

01 Control opening and closing all doors, barriers and gates from the map for easy and fast control on all facilities' doors.

02 Schedule an unlock time for all labs doors to be open during working hours and to be locked automatically after working hours.

03 Track Employees and Medical staff access to all facilities by generating report per user ID for an interval of time.

04 Link the video archive with the access control transaction so that operator can see the video recording during the time of opening any door.

05 Lock a door when a specific asset moves outside a geofence area or outside a specific building.

06 Give and distribute credentials to all staff to access their departments or rooms based on their permission level and for a period of time.

07 Use card access or fingerprint transaction to consider attendance to work.

08 Lock all critical places like operation rooms, warehouses, labs, research center based on schedule and activate lockdown based on security breach.

◆ FIRE ALARM

01 Open the closest cameras to the fire alarm location to differentiate between true and false alarm.

02 Automate the opening of all doors of a department or a building if a fire event occurs.

03 Dispatch emergency team to the fire location and open all related cameras to monitor evacuation activities.

APPLIED SCENARIOS

◆ RFID AND ASSET TRACKING

01 Track important assets within hospital facility and know when and who moved them.

02 Identify the location of your asset on the map especially expensive assets where many medical staff share it. You can find your asset directly when you need it

03 Track and locate medical staff using RFID cards and long-range readers for emergency needs.

04 Specify a geofence for important assets so that it will not go outside specific lab, floor or building by integrating RFID with access control. Some medical equipment must not go outside operation room or ICU except with special authorization or user.

◆ INFANT MANAGEMENT

01 Infant tracking using RFID bracelet and integration with CCTV Cameras.

02 Restrict the access to infant to specific medical staff.

03 Restrict the move of an infant within a selected area and get notified if someone is trying to remove the bracelet.

◆ FLEET

01 Track your ambulances when it goes on field mission.

02 Get a live streaming from the Ambulance that show the inner and outer side. Medical staff can evaluate cases in the ambulance using live streaming before the case reach the ER.

APPLIED SCENARIOS

03 Receive Ambulance behavior from fuel level, speed and other signals.

04 Monitor the driver behavior (seat belt, speed, brakes, idle, etc...)

04 Offload the recorded video from the mobile NVR of the Ambulance to the main storage when it is back to home station.

05 Include an RFID reader on the Ambulance to track medical assets if it is used in field mission.

◆ OTHER LOW CURRENT SYSTEMS

01 Activate public address announcement based on specific trigger from other system, like fire or analytics or access control.

02 Schedule special announcement on public address and linked to master clock system.

03 Initiate alarm or actions on specific devices based on a call from nurse call system.

04 Present informative video on digital signage based on schedule from master clock system.

05 Connect specific camera to be viewed on the IPTV system and offer complete hospitality service to each patient room.

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