

The Challenge For The University

Higher education facilities are in need of integrated functionalities of video surveillance, access control and related functions for universal coverage across a campus. They need to make sure that the right information is communicated to the right people at the right time.



THE CHALLENGE IS:

- To apply the best technology from the electronic security and emergency management areas to the needs of the campus
- To provide a single, integrated environment for data collection, analysis, reporting and communication in emergency environments
- To ensure timely and consistent emergency communication throughout the campus
- To provide significant operational benefits in addition to required emergency response functions
- To leverage, if possible, the existing university networking
- To provide a core local event management system for all campus facilities.

The MAXXESS Solution

MAXxess provides a security framework for universities using existing networks. The MAXxess solution is a network-based safety, security and emergency response system specifically targeted for application to university campuses.

It consists of two software components; a Local Client at each facility site and a Management Framework at the Security office.

It displays the entire security system uses one single interface to facilitate decision making

The framework logically groups major event information so that the university can see the bigger picture in the context of both internal and external events.

- We alert the University in a textual format describing the event.
- We alert the University through a graphical floor plan that shows the University where and what has happened.
- We display the video that is related to the event.
- We alert the University to external events that may affect its operations.
- The display integrates access control, video surveillance, elevator, building controls, audio intrusion detection and fire alarms.

THE MANAGEMENT FRAMEWORK is a fully-featured event management system built around a SQL database. The database is the central resource of the system. It contains records of all of the reported events (automatic or manual).

All events are automatically tagged with time and location information. Additionally, all events can be assigned priorities, alerting information (e.g. icons and/or audio cues) and special instructions if desired. Dependent events can be triggered by either single events or by combinations of events.

The framework provides local and remote (e-mail) alerts as a function of the priority level assigned to an event.

Visual summary cells indicate, by color, event status and enable a rapid, intuitive assessment of the status of all facilities in the university.

(continued)

The MAXXESS Solution *(continued)*



MAXXESS

MAXXESS Systems, Inc.

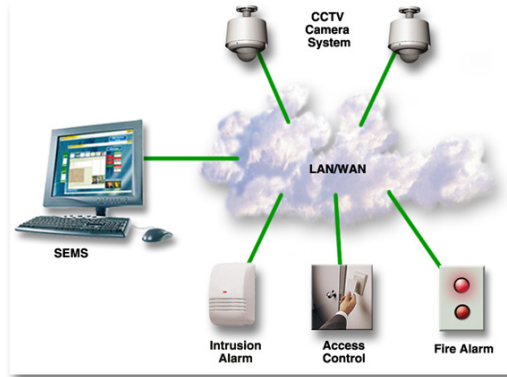
Allows the university to have direct interfaces to other organizations: such as, first responders (e.g. police or fire), and regional emergency operations centers.

Provides a security backbone for every facility. Includes:

- User Interface
- Graphical floor plan
- E-mail on alarm
- Report Wizard
- IP Alerts
- Hot Button Alerts
- Web Monitor
- Voice annunciation
- E-mail receipt
- IP Video

Highlights

- Provides a standard security, safety and emergency response system.
- Provides situational awareness for all facilities.
- Provides a timely, uniform response to all emergencies.
- Provides an integrated emergency alert notification system.
- Ensures security and safety standards for all facilities.
- Provides automatic remote notification of events – does not have to be monitored.
- Can be used to model and test response scenarios.
- Open architecture for adding new technology and tools
- Minimizes the cost of additional functionality
- Leverages existing personnel and resources
- Uses standard PC-class hardware and uses existing networks for all necessary communication.
- Supports diverse geographic site monitoring
- Provides two way communication with all university sites to increase information sharing
- Can integrate to the police and fire departments and other support groups
- Evolves readily to meet new requirements
- Highly scalable
- Automatic notification (by visual alarms, audio alarms and/or e-mail) if there is a problem
- Minimizes the threat of intrusion and vandalism
- Provides DHS alert levels and news for global context
- Monitors both alarms AND loss of network connectivity
- Minimizes training requirements
- Decreases liability exposure with pro-active detection and prevention
- Decreases operational costs and total cost of ownership
- Ensures peace of mind for students, staff and parents



The university can see up to three levels of information. The top one or two levels contain visual information cells that quickly indicate which facilities are experiencing alarms and what the alarms are. It also shows status of all network connections.

In summary, we allow universities to see the bigger picture, make more informed decisions, respond quicker to events and be able to share critical information throughout the organization.

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