S2 NetBox™ Event Monitoring

Feature Summary

- Browser-delivered monitoring desktop presents all events
- Animated, graphical floorplan shows location of active alarms
- Email and SMS text message generation on event activation
- Event behavior programmable by threat level
- Custom sounds and color coding quickly identify events
- One-click recall of recorded event-related video
- Video motion, video loss, and camera fail events
- Integrated management screen shows all active events
- Integrates common central station-monitored alarm panels

- Video telemetry actions on event detection
- Pop-up video display on event detection
- Variable levels of supervision selected by input point
- Detailed responder instructions for each event
- Selectable event priority and action priority
- Programmable disarming of alarm panel on card access
- Programmable arm of alarm panel on inactivity
- Analog temperature-based event reporting and charting
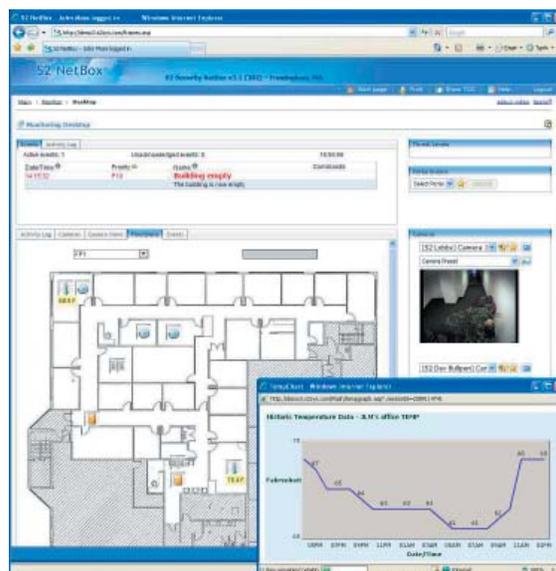- User-settable rates for PTZ functions

Overview

The S2 NetBox Event Monitoring function lets users respond electronically to inputs from the real world. These inputs are varied, ranging from simple contact closures to complex events such as video motion detection or communications loss. Virtual inputs such as loss of video at a camera, building occupancy limit exceeded, and temperature out of range are also supported. The system continually scans for changes in any of these inputs.

When a change is detected that is of interest to the user, a system *event* is triggered. Events let the user program a list of actions to be taken in response to the change. If the system is monitored, simple actions such as message and video display may be all that is necessary. Unmonitored systems may take advantage of built-in email transmission, text messages to cell phones, or other automatic actions - as if the system contained a set of built-in programmable logic controllers.

When events occur, users interact with the system through the Monitoring Desktop, a web browser-delivered display that provides access to event management functions and real time information including video and dynamic floorplan graphics. Beyond text, events arriving at the Monitoring Desktop for processing can generate sound, color-coded messages, and pop-up video.

Analog temperature monitoring points work with the event management system. Events can be initiated when temperatures exceed preset high or low values, and temperature values are easily displayed on floorplans to 0.5°C precision.

S2 NetBox also integrates central station-monitored alarm panels with its event management and access control systems. Alarms detected by alarm panels can be event sources. Card access by selected people can be used to disarm alarm pan-

Dynamic floorplan graphics show event and status data in real time. This example also shows temperature trend charting.

els. If the last person to leave a facility fails to re-arm a panel, it can be easily armed remotely from the browser-based user interface, or the S2 NetBox can be programmed to prealert and then arm the panel automatically by time of day if no activity is detected.

Threat levels can be used to quickly change how the system reacts when events are detected. By changing a threat level, a facility can be immediately locked down or impose access control restrictions. Each action associated with an event can be inividually tailored by threat level.

S2 SECURITY

The Monitoring Desktop in detail...

No installed software is required on client computers; a web browser is all that's needed.

Event acknowledgement commands are invoked from icons associated with each event.
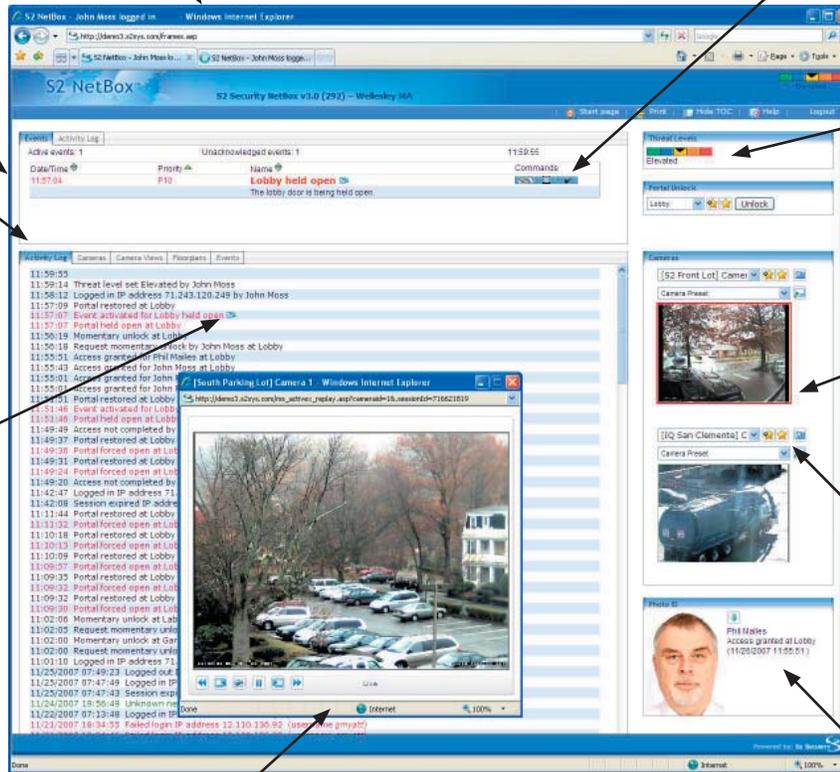
Events are displayed in order by priority, time, or name.

The current operational threat level is displayed. Users can customize threat levels, their graphics, and their actions.

Tabbed access to real time video, floorplan graphics, and messages is always available.

Camera thumbnails show pre-programmed video.

The top thumbnail is automatically switched to show video for the highest priority outstanding alarm event. It also has a color-coded frame for easy identification.

When recorded video is associated with an event, each camera view displays and icon. One click on the icon recalls the video browser showing the video associated with the event.

"Favorite" lists eliminate the need to navigate long lists of irrelevent camera and portal choices.

The video browser lets you scan backward through recorded event-related video at several frame rates, or frame by frame.

The photo ID history shows the 10 most recent people to access the facility.

Specifications

Inputs per Input Application Blade	8
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Temperature points per temperature blade	8
Temperature probe operating range	-55° - +100°C
Temperature probe precision (-10° and +85°C)	± 0.5° C
Max length of cable run to temperature probe	1000 feet

Priority levels	20 (events); 20 (event actions)
Alarm actions	Lock, unlock portal, momentary unlock,
	Send email, SMS message
	Move camera to preset, initiate recording
	Activate, deactivate output point,
	Set threat level, log event,
	Arm, disarm input group