AMS-8000 (DSS Alarm)

Digital Surveillance System

Alarm Management Gateway Software

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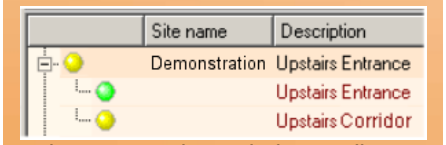
features

- ✓ Full, prioritized incoming call management
- ✓ Differentiated desktops, interactive map
- ✓ Optional multi-monitor interface
- ✓ Custom alarm procedures, contacts and operator comments per alarming site
- ✓ Alarms archived with recordings and metadata
- ✓ User login and audit trails
- ✓ Detailed DSS Alarm gateway reporting
- ✓ Escalate alarms to "cases" to commit personnel, establish electronic collaboration, and ensure that incidents are formally resolved



Alarms are color-coded according to priority and grouped by open site connection. Operators double-click to accept alarms, thereby starting the alarm data download and registering their acceptance of the alarm.

AMS-8000: The DSS Alarm's innovative functions and features have been developed to effectively meet the needs of a real central control room that is servicing remote surveillance system clients across multiple geographies.

The DSS Alarm interface employs integrated desktops and panels: Alarm desktop (top left), Map desktop (top right), Monitors desktop (bottom left), Resources desktop (bottom right)

Navigate desktops by means of the tab bar, or display the desktops across multiple monitors

Requirements:

- ✓ Remote client sites with compatible DSS units
- ✓ At least one primary UNIX gateway
- ✓ Appropriate base station hardware and communications infrastructure
- ✓ DSS Base Station software, or DSS Site with DSS Map

Standard Features:

- ✓ System caters to multiple operators, and is scaleable
- ✓ Full prioritized incoming call management and alarm management desktop
- ✓
- ✓ System displays resources seamlessly across networks (DSS Site software)
- ✓ Remote monitoring and control of alarming unit
- ✓ Remote site alarm information and maps can be cached at the control room to speed operator responses
- ✓ Local SQL database
- ✓ User login, audit trail, login reports, Archive-Logins table
- ✓ Handled alarms are archived with associated recordings, comments and metadata, and may be searched by means of a powerful filter
- ✓ Alarm escalation for formal, monitored investigation and resolution

Optional Features:

- ✓ DSS Base software for Windows, to run Windows base stations.
- ✓ Dual, triple or quad-monitor interface
- ✓ Control room hardware and software can be mirrored for backup and hot-replace.

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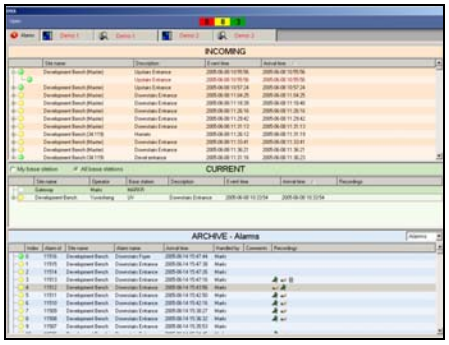
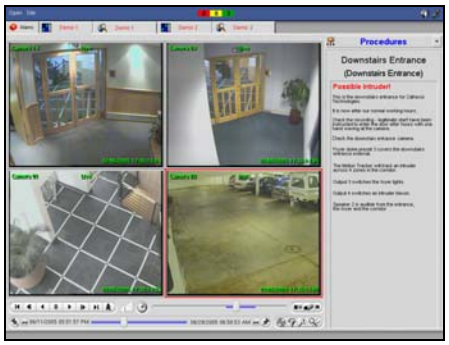
Alarm Desktop (DSS Alarm) default



The Alarm desktop provides status information on incoming alarms, alarms currently being handled by operators in the control room, and a database of previous alarms with their associated meta data (video recordings, audio recordings, activity detection triggers, and operator comments).

Alarms are color coded and prioritized. Operators exclusively “accept” alarms for handling, thereby connecting to the alarming site. On connection, the operator immediately sees the client-customized screen configuration, alarm information and map pertaining to that particular alarm. This data is loaded from the control centre cache, unless the client has recently updated it, in which case the changes are retrieved from the client remote site. When out of the alarm desktop, the operator can still see an alarm status bar (top center of the interface) indicating the number of incoming alarms by color-coded priority.

Resources Desktop (DSS Site)



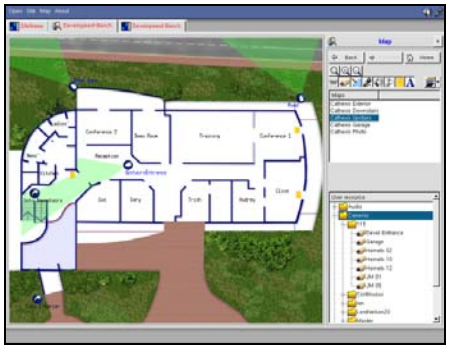
The resources desktop enables operators to review and control the resources at a site. These resources include but are not limited to, cameras, PTZs, IO devices, remotely recorded data, alarm procedures, alarm comments, and alarm contact information.

Operators can quickly access appropriate drop-down control panels such as alarm procedures, alarm contacts, alarm comments, site resources, software joystick, event lists, and manual (clipboard) recordings.

Resources are drag-and-drop. For example, it is possible to drag a camera from the viewing area or from the resources panel onto an analogue video monitor, and then see the camera display on a monitor in the control room.

A “VCR” style camera control panel across the bottom of the screen enables live and review camera functions.

Map Desktop (DSS Map)



The map desktop enables an operator to view and control site resources directly from the map. Maps can be navigated either from a browse dialogue in the maps panel, by means of map-to-map hyperlinks, by means of a macro action, or by default loading in response to a trigger/alarm.

Objects on a map are interactive. Operators can also open and close doors, activate sirens, and track intruders. From the map, operators can send live camera views to the various display areas on the resources desktop.

Customizable tool tips and comments provide for quick information on map resources.

Operators can hide objects and/or layers and increase/decrease their transparency to simplify the map display.

Monitors Desktop (DSS VGA)

This is hardware (VGA Server) and software (DSS VGA) that enables operators to control DSS camera displays on multiple VGA monitors. Typical applications include control rooms with “video walls”.

The DSS VGA Software integrates with DSS Site management software, and appears as “Monitors” desktop within the DSS Site interface. Not only is it an alternative to a decoder, but DSS VGA provides an additional matrix-like display that integrates seamlessly into the DSS interface.

It enables quick manipulation of camera displays on VGA monitors, drag-and-drop functions, fast 1-click switching between Monitors Desktop and other desktops, and it provides the interface to set up camera sequences, screen layouts, and layout sequences (salvos).

Escalate alarms to a formal Case for further investigation

The “Case” functionality is primarily applied where surveillance system operation is multi-tiered, with operators identifying and flagging significant alarms for handling by the next level of alarm-inspector, who then flags and escalated those alarms that require even higher-level intervention. The case initiates and provides a management interface for this formal security process, establishes electronic collaboration between all assigned parties, commits important personnel to the process, and ensures that the case has to be properly resolved/signed off before it can be “closed”.

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Specifications

Model	Operating System
AMS-8000 DSS Alarm, DSS Central Alarm Monitoring Software	NetBSD 1.6.1 / 2.0 / 3.0 or Windows XP with DirectX 9
General	
MS Windows	Operator base stations may optionally be run on MS Windows systems (requires SMD-7100 or VVS-6100).
Information caching	On alarm acceptance, DSS Alarm first loads available maps, alarm procedures and alarm contacts from the cache, and only fetches this information from the remote site if it has been changed.
Virtual resources	The system displays the resources seamlessly across an entire network.
Multiple monitors	Operators may optionally use dual, triple or quad-monitor interfaces, with Alarm, Resources and Map desktops, and other software spread across the monitors.
Base station media resources	DSS Alarm user interface provides software controls for local (control room) monitors, speaker and microphone.
Database	An SQL database stores alarms with their associated recordings and metadata, the site list, cached remote site data, and control room operator audit trails. All operators access the same data.
Audit trails	Full operator audit trails provide a history of operator alarm responses and actions.
Alarm Desktop	
Prioritized queue	Alarms are prioritized and coded-coded, and the list may be sorted by priority.
Intelligent alarm assignment	The system keeps all logged-in operators informed as to an alarm's status, and who is handling which alarm.
Multiple open connections	Operators can handle multiple remote alarms simultaneously - a separate interface tab represents each connection.
Quick commenting	Operators select from a default alarm menu, or type custom comments.
Escalate to case	Operators flag significant alarms for handling by the next level of inspector
Audio notification	Audio notifications can be assigned to the three statuses of incoming alarms.
Alarm differentiation by status	Alarms display sequentially in three separate panes: incoming (awaiting handling), current (being handled) and archived (handled).
Alarms archived with meta data	Alarms are archived with their associated information (snapshots, video, activity detection image, operator comments), which can easily be filtered, replayed and reviewed.
Reports	Detailed template and custom reporting enables alarm service monitoring and improvement
Archive data filter	The HISTORY table can be filtered for historical alarm, session, user login or case data.
Resources Desktop	
Fast resize	Camera views can be resized with simple mouse clicks, to display from 1 to 16 live cameras.
Alarm panels	Alarm panels provide custom information for alarm procedures, alarm contacts and alarm responder comments.
Resource control panels	Customizable panel displays hierarchical site resources. Resources can be hidden-and-shown to simplify the panel. Cameras can be dragged to the live camera displays.
Dome panel	A dome camera panel provides an intuitive and sensitive dome joystick, with functions for going to dome presets.
Review controls	VCR-like camera review controls include: |◄ ◄| ◄ || ► |► ►|, speed slider, time search, archive.
Automated alarm responses	Automated system responses to alarms include loading particular layouts of cameras in the Resources desktop, and displaying related alarm recordings.
Map Desktop	
Map setup	The map setup includes vector-drawing controls, customizable properties per object, raster image import.
Interactive map resources	Camera, PTZ, microphone, speaker, relay, input, serial data stream source (DSS generating the serial data stream for the device at this location)
View cameras from map	From the map, operators "send" cameras or dome presets for view in the resources desktop.
Control layers and displays	Operators modify the transparency of map layers and map resources, or hide-and-show them to simplify the display.
Monitors Desktop	
Matrix-like functions	Additional matrix-like display and control
Speed of display	Quick camera display manipulation on VGA monitors, drag-and-drop functions.
Integration	Seamless integration with DSS Site software
Set up resources	Set up camera sequences, screen layouts, and layout sequences (salvos) from the interface

Ordering Information

Product Code	Description
AMS-8000	DSS Alarm, DSS Central Alarm Monitoring Software. Note: All software is loaded via an Installation Server.
SMD-6000	(required) DSS Base, Base Station software (or VVS-6000 DSS Site with GMS-1000 DSSMap)
SMD-6100	(optional) DSS Base, Base Station software for Windows (or VVS-6100 DSS Site software for Windows + GMS-1000 DSS Map)
VGA-1000 (optional)	DSS VGA, VGA server and monitors desktop