

SIEMENS



Application Software SSTORE AX RAS V3.6

User Manual

Fire Safety & Security Products

Siemens Building Technologies

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About this Document

SISTORE AX is a CCTV product.

This User Manual contains instructions for installation, configuration and operation of SISTORE AX RAS (Remote Administration System) software, which is designed to be used with remote digital video recorders (DVRs). A complete version of this manual can be found in Adobe Acrobat format (PDF) on the SISTORE AX CD.

This is the most recent version, unless changes have been made after the printing of this manual. All subsequent alterations have been included as far as possible.

Orientation guide



Tips and information

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1 Software functions

SISTORE AX RAS (Remote Administration System) features

SISTORE AX RAS program is an integrated software program that controls system management, video monitoring, video recording and image playback of multiple remote DVRs. SISTORE AX RAS offers the following features:

- Checks and reports status of remote DVRs
- Notification of events detected at remote sites
- Remote monitoring of live camera images
- Panic recording of monitored images
- Time-lapse and event search of recorded images
- Remote software upgrades and system programming
- View system and event log information of remote DVRs
- Remote monitoring of multiple remote sites using 3D maps
- Connection of up to 16 remote sites at a time

2 Safety

2.1 Target readers

The instructions in this document are designed **only** for the following target readers:

Target readers	Qualification	Activity	Condition of the equipment
Operational startup personnel	Technical training for building or electrical installations. Training on the product is recommended.	Puts the product into operation for the first time, or changes the existing configuration.	The product is installed but not yet configured, or the existing configuration is to be changed.
End user	Has working knowledge of computers. Instruction by technical specialists is necessary.	Performs only the procedures for proper operation of the product.	The product is installed and configured.
Service personnel	Technical training for building or electrical installations.	Checks the product at regular intervals to ensure that it is in good working order and performs service work.	Product already in use and requiring servicing.

2.2 Work safety information

- Read the general safety precautions before operating the software.
- Please also read the safety precautions for the devices that are operated by the software.
- Keep this document for reference.
- Always pass this document on together with the product.

2.2.1 Handling

Damage due to improper handling

- Protect the CD from scratching.
- To clean the CD use a soft dry cloth.

Damage during transport

- Always transport the CD in the case it originally came in.

2.2.2 Setup

Dangerous situation due to false alarm

- Make sure to notify all relevant parties and authorities providing assistance before testing the system.
- To avoid panic, always inform all those present before testing any alarm devices.

2.2.3 Installation

Data loss after software update

- Make sure to backup all data before updating the software.

2.2.4 Storage

Damage due to improper storage

- Always store the CD in its protective case.
- Keep the CD in an environment with a relative humidity of 10 – 90 %.
- Keep the CD between -5 and +55 °C.
- Do not store the CD in excessively dusty places.
- Do not keep the CD close to sources of magnetic radiation.
- Protect the CD from moisture.
- Protect the CD from direct sunlight.

3 System requirements

- Operating System: Microsoft Windows XP or Microsoft Windows Vista
- CPU: Intel Pentium IV (Celeron) 2.4 GHz or faster
- RAM: 512 MB or higher
- VGA: AGP, Video RAM 8 MB or higher (1024 x 768, 24 bpp or higher)

4 Installation



CAUTION

If an older version of SISTORE AX RAS software is installed on your computer, you should uninstall the older version first.



NOTE

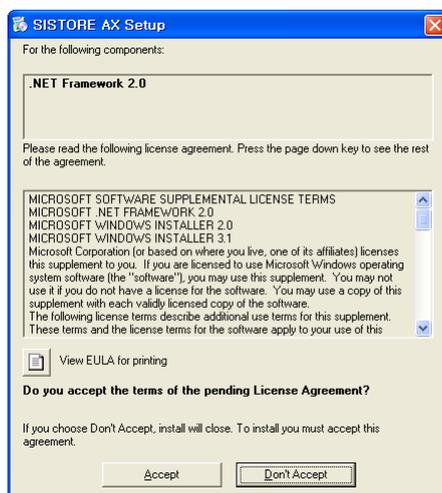
In the Start menu in Windows, go to **Control Panel**. Double click the **Power Options** to evoke the **Management Properties** dialog box. Under the **Power Schemes** tab, set both "Turn off monitor" and "Turn off hard disks" to "Never".

1. Insert the installation CD.
2. Run the SISTORE AX.exe file.
3. When the following dialog box appears, click **Accept**.



NOTE

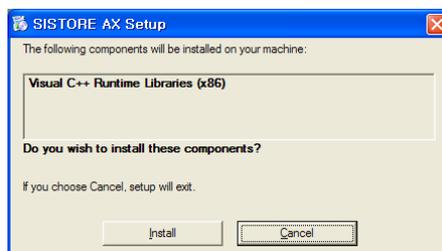
The **User Account Control** window might appear when using the Microsoft Windows Vista operating system. Click **Allow** and install SISTORE AX RAS software following the instructions.



NOTE

Installing .NET Framework is required for SISTORE AX RAS to operate properly. This installation step will be skipped if .NET Framework is already installed on your computer.

4. When the following dialog box appears, click **Install**.



NOTE

Installing the Visual C++ Runtime Libraries is required for SISTORE AX RAS to operate properly. This installation step will be skipped if the Visual C++ Runtime Libraries are already installed on your computer.

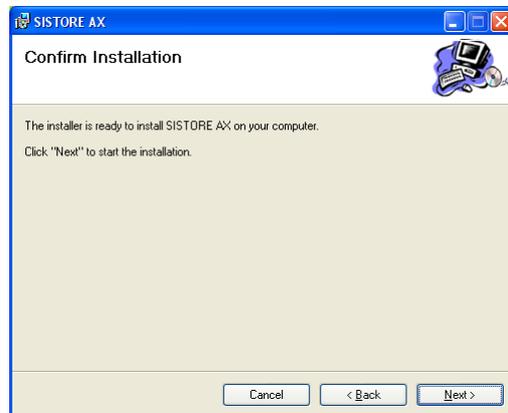
5. Designate the folder path to install SISTORE AX RAS and select the user(s) who can use SISTORE AX RAS. Then click **Next**.



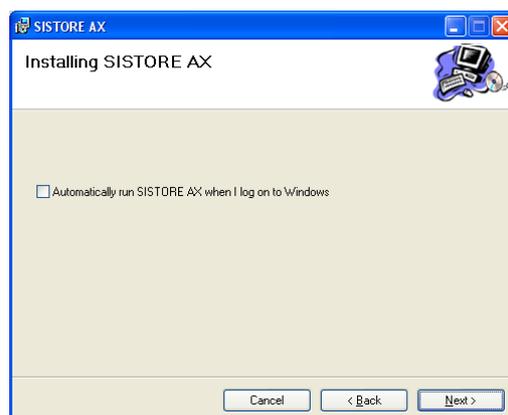
6. When the following dialog box appears, click **Next**.



7. Click **Next**.



8. Select whether or not to run SISTORE AX RAS automatically when logging onto Windows, and then click **Next**.



9. Set the language option by selecting either **Select language when starting *SISTORE AX*** or **Always start *SISTORE AX* using the language below**.
 - If you select **Always start *SISTORE AX* using the language below**:
10. Select the desired startup language from the list of available languages.
11. Click **OK**.

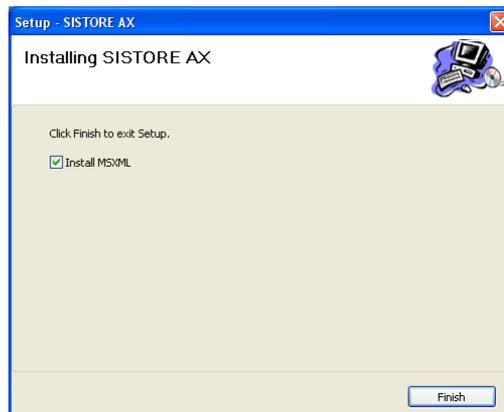
**NOTE**

To properly display the selected language, your PC's operating system should be set to support the selected language.

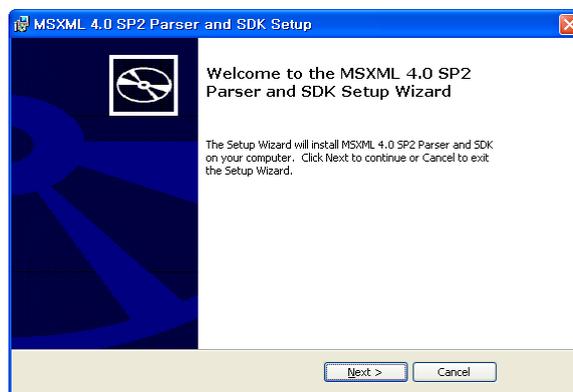
**NOTE**

In order to change *SISTORE AX* RAS' language after selecting the **Always start *SISTORE AX* using the language below** option, the *SISTORE AX* software should be reinstalled.

12. When the following dialog box appears after finishing the *SISTORE AX* installation, select **Install MSXML** application and click **Finish**.
 - Installing the MSXML is required for *SISTORE AX* to initiate.



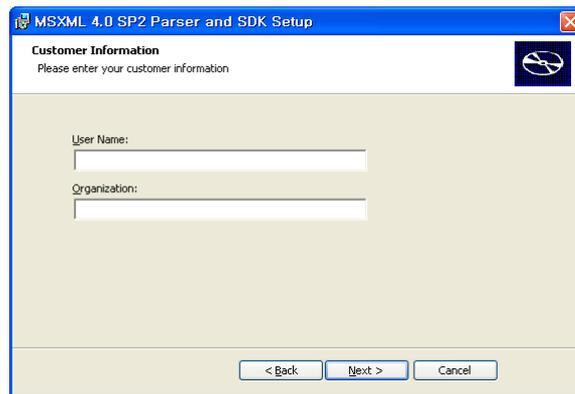
13. Click **Next**.



14. Select **I accept the terms in the License Agreement**, and click **Next**.



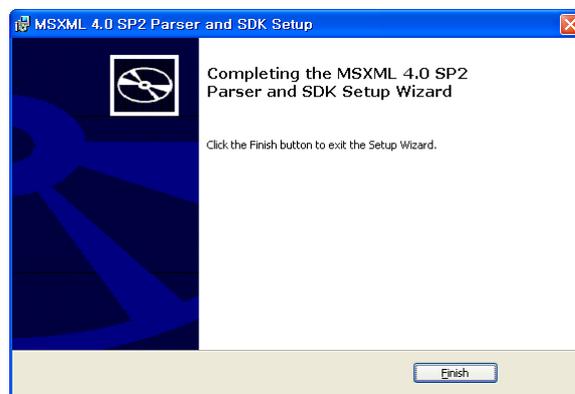
15. Enter User Name and Organization, and click **Next**.



16. Select **Install Now**.



17. Click **Finish** to complete the MSXML installation.



→ The installation is now completed.

5 Configuration

After installing the SISTORE AX RAS software, you will find the SISTORE AX RAS shortcut icon on the desktop. Run the SISTORE AX RAS program by double-clicking the icon. The SISTORE AX RAS program consists of the screen, 12 docking panels, menu and toolbar.



5.1 Screen



The screen displays images from selected cameras in the live monitoring or playback modes. SISTORE AX RAS provides various multi-screen layouts; single-screen, quad, 1+7, 3x3, 4x4, 5x5, 1+32, 6x6, 7x7, 8x8 and full-screen.

NOTE

There might be a problem with screen display or screen update due to low image transmission speed when using the Microsoft Windows Vista operating system. In this situation, it is recommended that you disable the Auto Tuning capability of your computer.



Run the *Command Prompt* with elevated administrator permissions (Go to the Start Menu → Accessories → Command Prompt → Click the right mouse button and select the *Run as administrator* option). Then enter "netsh int tcp set global autotuninglevel=disable" and click the OK button. Restart your computer to apply the changes.

If you want to enable the Auto Tuning capability again, enter "netsh int tcp set global autotuninglevel=normal" after running the Command Prompt with elevated administrator permissions. Restart your computer to apply the changes.

5.2 Panels

SISTORE AX RAS has many powerful tools that can be used to streamline your work. Most of the tools are located on 12 docking panels that can be placed on the screen where they are most convenient. You can keep your screen free of clutter by displaying only the panels you use most frequently.

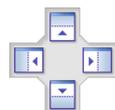
Clicking the  icon in the upper right corner of a panel enables the auto-hide feature. Tabs for auto-hidden panels are displayed on the side of the screen. Scrolling over an auto-hidden panel tab will cause the panel to "fly" out. You can cause the panel to lock back into its original display position by clicking the  icon. Clicking the  icon hides the panel without a tab. Hidden panels can be displayed by selecting them from the drop-down menus.

Panels can be resized, moved and combined with other panels creating a workspace that fits your needs. To resize a panel, scroll the cursor over the edge of the panel until the cursor changes to  or . Then click the left mouse button and drag the panel border to enlarge or reduce its size.

To move a panel to a different position on the screen, scroll the cursor over the title bar of a panel that has not been auto-hidden until it changes to . Once you click and drag, position arrows will display on the screen.

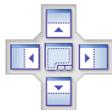
The four position arrows along the outer edges allow you to place the panel along the given edge independent of the other panels. When you drag the panel over a position arrow, a transparent blue box will display showing the new panel position. If you are satisfied with the position, release the left mouse button and the panel will move to its new position.

You can also move a panel so that it is associated with another panel. To do this, drag the panel over the panel you want it associated with, and the icon with four position arrows will center over that panel. Scrolling the cursor over the icon arrows will cause a transparent blue box to display where the panel will be located. If you are satisfied with the position, release the left mouse button and the panel moves to its new position.



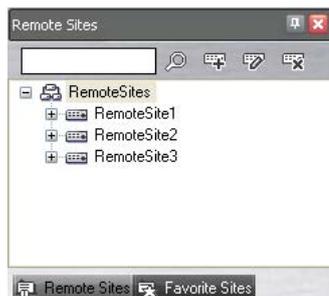
It is possible to combine panels so that they take up less space on the screen. Combined panels have a row of tabs across the bottom. Clicking a tab brings that panel to the foreground.

To combine panels, move the cursor to the title bar of the panel you want to move. Click and drag the panel onto the panel you want to combine it with. If the panels can be combined, the four-position arrow icon will have a tab symbol in the center. Drag the cursor over the tab symbol , and a new tab appears on the panel. Release the mouse button and the panels will now be combined.



The layout possibilities are virtually unlimited. With a little experimentation you will be able to lay out the screen so that it best meets your workflow.

5.2.1 Remote Sites panel



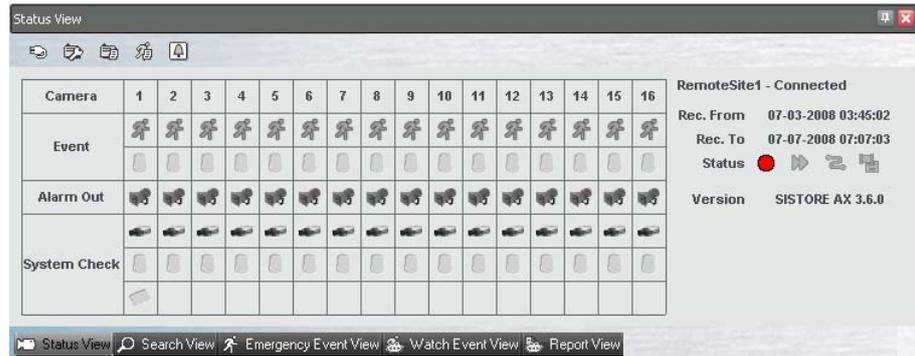
The **Remote Sites** panel displays a list of remote sites registered during SISTORE AX RAS System setup and a list of installed cameras at the remote sites. Entering the site name in the query box and clicking the  icon allow you to find the remote site easily in the **Remote Sites** list. Clicking the  icon allows you to register the remote site, clicking the icon  removes the selected remote site from the list, and clicking the  icon allows you to edit the site information of the selected remote site from the list. To connect to a remote site, select the site or camera you want to connect to from the list and then drag and drop it in the desired position on the screen or the **Status View** panel. The screen displays images from selected cameras, and the **Status View** panel displays the system status information of the connected remote site. Connecting to the **Status View** panel can also be done by selecting **Connect Status View** from the popup menu displayed by clicking the right mouse button after selecting the site from the list. This popup menu initiates the **Remote** menu including **Remote Setup**, **Remote System Log**, and **Remote Event Log**. Refer to Chapter 5.3.3: Remote menu for more details.

5.2.2 Favorite Sites panel



The **Favorite Sites** panel displays the list of Favorite sites registered during SISTORE AX RAS System setup. Selecting the Favorite site you want to connect to from the list and then dragging and dropping it on the screen connects all remote sites registered in the Favorite site automatically.

5.2.3 Status View panel



The **Status View** panel displays the event, alarm out, system check and recording status information of the connected remote site in real-time. To connect to the remote site, select the site or camera you want to connect to from the **Remote Site** or **Map** panel and then drag and drop it in the **Status View** panel. Refer to Chapter 0:



NOTE
Audio recording is not supported.

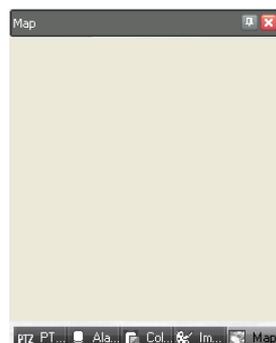
Status View for more details.

5.2.4 Search View panel



The **Search View** panel allows time-lapse or event searching of recorded data on the remote DVR. Refer to Chapter 6.2: Playback and search for more details.

5.2.5 Map panel



The **Map** panel allows efficient monitoring of the remote sites by displaying a three-dimensional map of the selectable site. Click the right mouse button on the **Map** panel to select the map image file (.rmp) you want to monitor from the list. The selected map image displays in the **Map** panel and the sites registered on the map image file will be connected. When the selected map is linked with sub-maps, clicking the linked image moves to the sub-map. Refer to 7.2: Map Editor for details on editing maps.



The **Map** panel pops up another screen when alarm-in, motion or video loss events are detected or when you click the device icon according to the **Map Editor** settings. Change the popup screen location by clicking the left mouse button on the screen and dragging it to where you want it located. Clicking the right mouse button on the popup screen displays the following popup menu.



x0.25 ... x2	Sets the desired size of the Map popup screen.
Full Screen	Enters the full-screen mode of the Map popup screen.
Transparency...	Adjusts the transparency of the popup screen.
PTZ Set...	Controls pan, tilt and zoom of the selected PTZ camera.
Disable Time Out	Continues displaying the popup screen when events are detected by disabling the dwell time out.
Original Ratio	Displays the Map popup screen by matching its original aspect ratio.
Anti-Aliasing Screen	Enhances image display quality on the popup screen by smoothing stair stepping (aliasing) effects in the enlarged image.
User Set...	Sets the mode of the current popup screens displayed on the monitor. For example, the monitor displays the current popup screen with enough frames for 16 cameras when you select 4x4.

Refer to 7.2: Map Editor for more details of popup function.

To connect to the remote site, select the device you want to connect to from the **Map** panel and then drag and drop it in the desired position on the screen or the **Status View** panel. Also, placing the mouse cursor on the device on the map displays the device status. When the device detects any event or the device is not working properly, the following status icons appear (maximum of 4).

	Unplugged
	Event off
	Irregular
	Video Loss
	Motion
	Alarm In
	Alarm Out

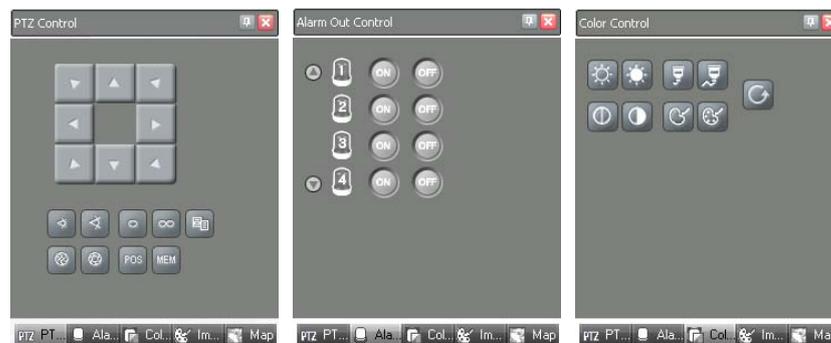


NOTE

The device status is displayed as Irregular based on the system check settings and as Video Loss, Motion, Alarm In and/or Alarm Out according to the event detection settings on the remote DVR.

Clicking the right mouse button on the **Map** panel causes a text menu screen to display. Selecting **Watch Event View** from the menu displays the event information of the connected remote sites. Selecting **Close** disconnects the current connection on the **Map** panel.

5.2.6 PTZ, Alarm Out and Color Control panels



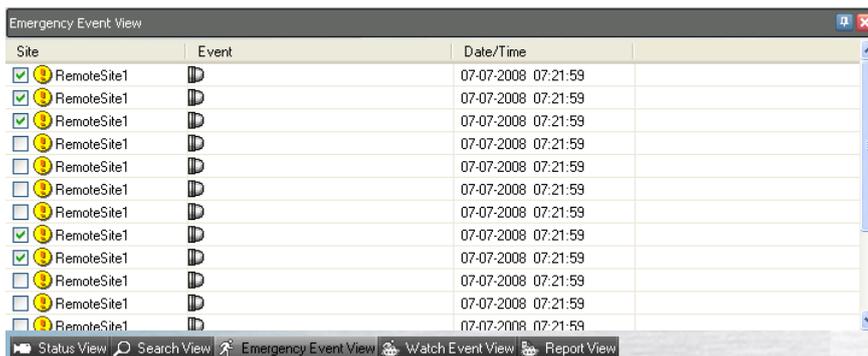
Three panels allow PTZ, alarm out and color control while live monitoring a remote site. Refer to Chapter 6.1: Live monitoring for more details.

5.2.7 Image Processing panel



The **Image Processing** panel allows enhancing played back images. Refer to Chapter 6.2 Playback and search for more details.

5.2.8 Emergency Event View panel



The **Emergency Event View** panel displays a list of events (preset for notification at the remote site) that were called from individual remote sites (LAN connection only). Selecting an event from the list and then dragging and dropping it in the desired position on the **Watch** or **Search** screen connects to the remote site, and a checkmark is placed in the box at the left. Selecting an event or site from the list and then clicking the right mouse button causes a tooltip to appear, which contains the emergency event instruction from the remote site.



NOTE

The Emergency Event View function is available only for the remote sites that were set to notify the SISTORE AX RAS system when configuring each event setup.

5.2.9 Watch Event View panel



The **Watch Event View** panel displays events detected at individual remote sites while SISTORE AX RAS is in the live monitoring mode. The description of event icons is as follows:

- Motion Detection
- Video Loss
- Alarm In On
- Alarm In Off
- Text In
- Alarm In Bad
- Recorder Bad
- Disk S.M.A.R.T.
- Disk Bad
- Disk Full

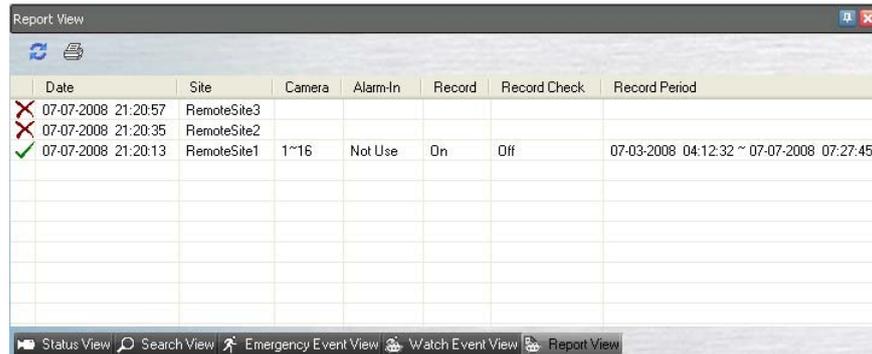
-  Disk Temperature
-  Panic Recording On
-  Panic Recording Off
-  Fan Error On
-  Fan Error Off
-  SIPASS Recording On (Search event only)



NOTE

Some event icons may not be supported, depending on the specifications and version of the remote DVR.

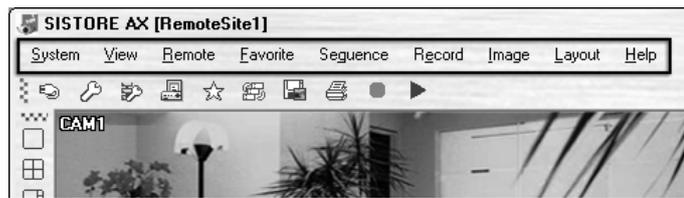
5.2.10 Report View panel



	Date	Site	Camera	Alarm-In	Record	Record Check	Record Period
X	07-07-2008 21:20:57	RemoteSite3					
X	07-07-2008 21:20:35	RemoteSite2					
✓	07-07-2008 21:20:13	RemoteSite1	1~16	Not Use	On	Off	07-03-2008 04:12:32 ~ 07-07-2008 07:27:45

The **Report View** panel displays the system status information of remote sites. SISTORE AX RAS checks the remote site and reports system status. Clicking the  icon on the panel reloads the data and clicking the  icon prints the report out. Report Setup must be configured during SISTORE AX RAS System setup for this feature to function. Refer to Chapter 5.3.1: System menu for more details.

5.3 Menu

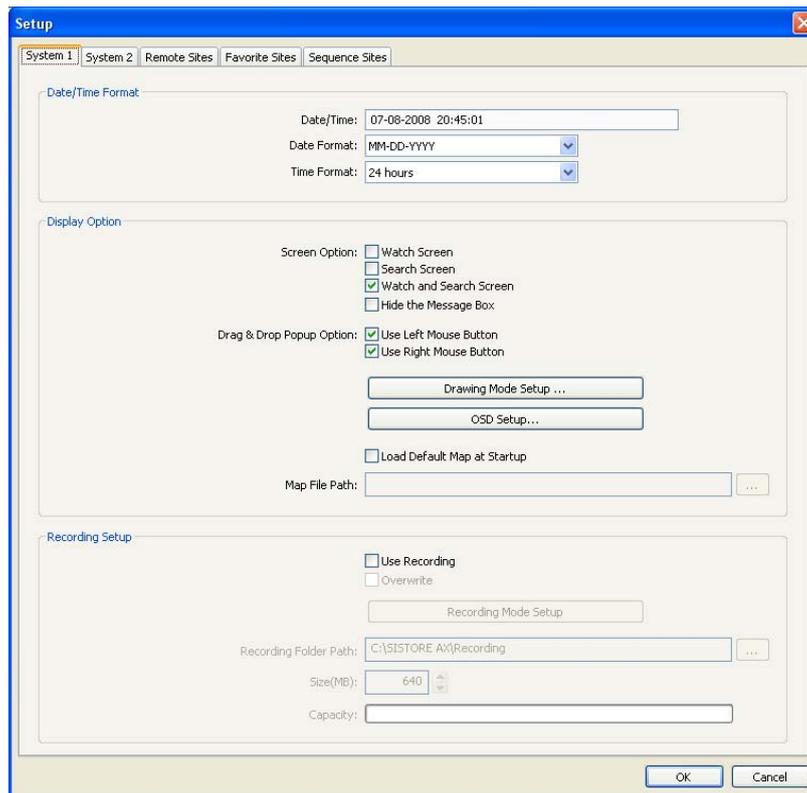


5.3.1 System menu



Setup

Allows setting up the system operation and remote site configuration.



System 1

- **Date/Time Format**

Here you can set up the date/time format for SISTORE AX RAS, display option, and panic recording function.

- **Display Option**

Set the date/time format.

- Screen Option

Set up the screen display, drag & drop popup option, drawing mode and OSD.

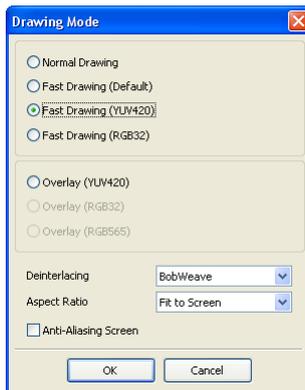
Select **Watch Screen** to use the screen for live monitoring only, **Search Screen** to use the screen for search only, or **Watch and Search Screen** to use the screen for both live monitoring and searching. Selecting **Hide the Message Box** hides the message box that displays the status information about SISTORE AX RAS and remote site connections.

- Drag & Drop Popup Option

Select which mouse button will be used when displaying popup menu screens from **Use Left Mouse Button**, **Use Right Mouse Button** or both (Watch and Search Screen mode only).

- Drawing Mode Setup...

Set up the display options for the screen.



- **Normal Drawing:** Depends on your PC's CPU performance and displays images in low speed (DIB Draw Mode).
- **Fast Drawing (Default):** Displays image in normal speed (Direct Draw Mode).
- **Fast Drawing (YUV420/RGB32):** Depends on your PC's video card performance and displays images in high speed (Direct Draw Mode).
- **Overlay (YUV420/RGB32/RGB565):** Displays image in high speed (Direct Draw Overlay Mode).
- **Deinterlacing:** Set up the deinterlace filter. Using a deinterlace filter for interlaced video enhances image display quality by eliminating horizontal scan lines and noise in areas with motion. Refer to Section 6.3: Additional functions -Screen menu - for more details on each filter.
- **Aspect Ratio:** Set up the image aspect ratio displayed on the screen. Selecting **Fit to Screen** displays images by fitting them to the screen size, and selecting **Original Ratio** displays images by fitting them within the screen size while maintaining their original ratio.
- **Anti-Aliasing Screen:** Set up the Anti-Aliasing Screen option. When using the Anti-Aliasing Screen option, the image display quality on the screen will be enhanced by eliminating stair-stepping (aliasing) effects in the enlarged image.

- OSD Setup...

Select options (Title, Time Info, Date Info, Text-In and Overlay Text-In Data) to display on the screen.

- Load Default Map at Startup

Select whether or not the user-defined map file is loaded automatically when SISTORE AX RAS starts, and designate the path of the map file to load.



NOTE

If the image cannot be displayed properly because of your PC's specifications, lower the drawing mode level.



NOTE

While in the Fast Drawing mode, the drawing speed might decrease when the SISTORE AX RAS screen is not located on the primary monitor.



NOTE

Overlay drawing mode may not be supported, depending on the type of video card installed in your PC. Video cards with an ATI chipset are recommended.



NOTE

When using dual monitors, selecting Overlay drawing will display the image only on the primary monitor.



NOTE

When using a low-end computer, image drawing speed might decrease while using a deinterlace filter depending on the type of deinterlace filter.



NOTE

When using a low-end computer, image drawing speed might decrease when the **Anti-Aliasing Screen** option is selected.

- Recording Setup

Set up the Use (On or Off) of the panic recording function and overwriting option of the recording folder (On or Off). When using the panic recording function and overwriting option, SISTORE AX RAS continues recording when the hard disk drive is full by overwriting the oldest video. Designate a recording folder path and set the recording folder size from 640 MB to 2,048 MB. Capacity shows the remaining space of the recording folder.

- Recording Mode Setup...

Set up the panic recording mode.



- Visible Watch Camera: Records camera channels currently displayed on the **Watch** screen.
- User Assignment Setup: Record camera channels assigned by the user on the **Watch** screen.
- Camera Range Setup: Records camera channels within preset channel range. Select the boxes beside **Camera** and adjust camera range up to 16 channels.



NOTE

The recording folder size cannot be changed once it has been set. Designate another recording folder path if you want to expand the recording space.



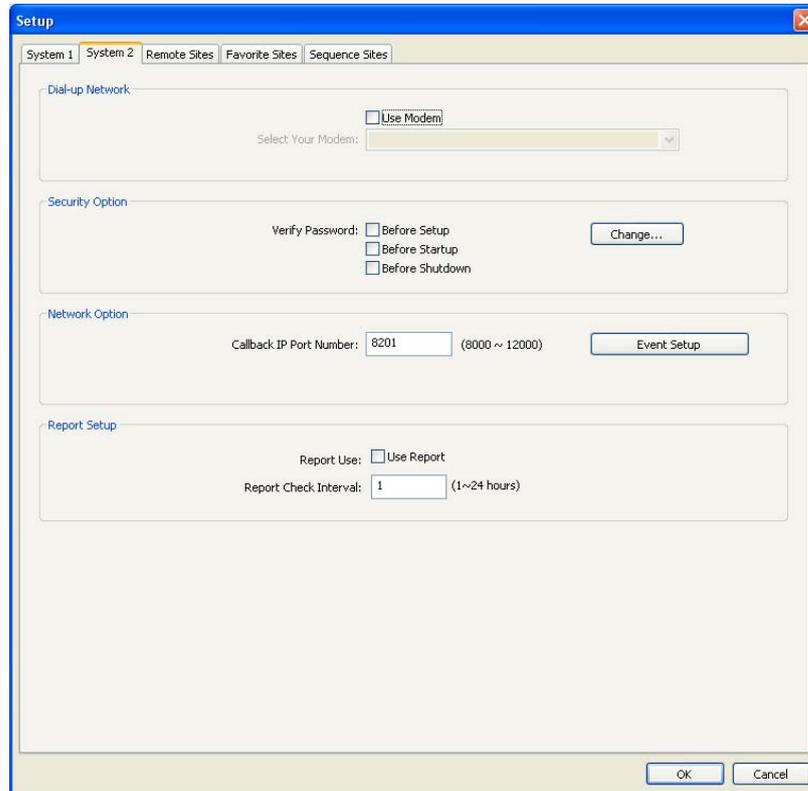
NOTE

Panic recoding will NOT be made for the cameras currently not displayed on the **Watch** screen even though they are set up to be recorded.



NOTE

When selecting the User Assignment Setup mode, the user can assign camera channels to record manually on the **Watch** screen. Select a camera on the **Watch** screen and click the right mouse button then select **Select Record Camera** in the text menu screen. The gray icon displays on the selected camera screen.



System 2

- Dial-up Network
- Security Option
- Network Option

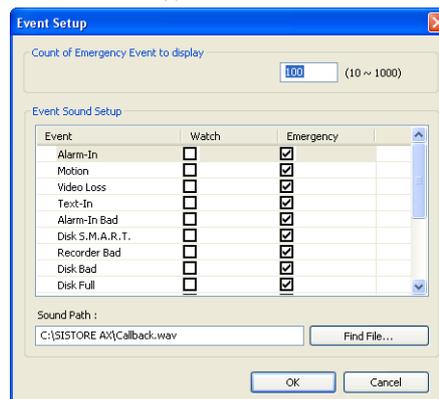
Here you can set up the modem connection information for remote access, system password, network option and report function.

Select **Use modem** if you want to use a modem for remote access.

Designate whether password confirmation is required before setup, before startup, or before shutdown of SISTORE AX RAS. Click the **Change...** button to change the password.

Set up the IP port number (from 8000 to 12000) that is used for network connection when receiving a callback message from a remote site.

- **Event Setup...**: Enter the number of emergency events displayed in the **Emergency Event** panel. Set up SISTORE AX RAS to sound when events are detected by selecting events from the list and designating the sound file (.wave) path. You can set up a different sound for each type of event.

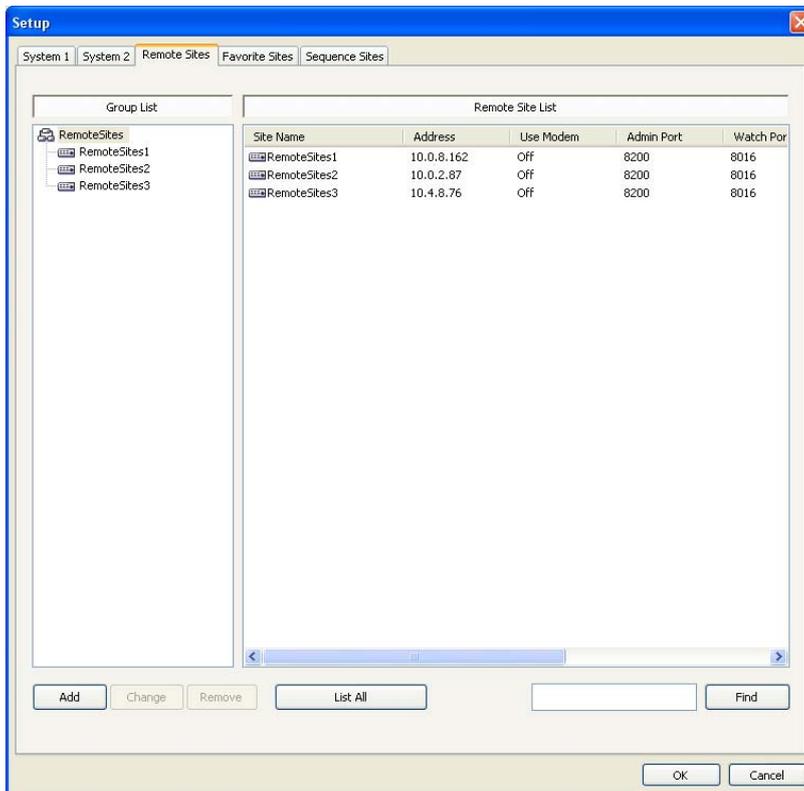


NOTE

The IP port you enter should match the values set during the network setup of the remote DVR.

- Report Setup

Set up the Use (On or Off) and check intervals (from 1 to 24 hours) of the report function. When using the report function, SISTORE AX RAS checks on the remote site based on the user-defined interval and reports system status.

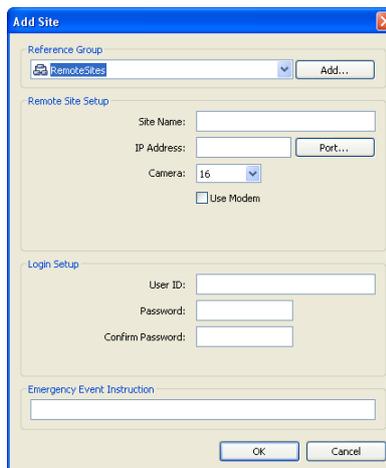


Remote Sites

- Add

Here you can configure the connection list for remote access.

Click the **Add** button and enter the information about the remote site you want to add.



- Reference Group

The site should be assigned to a Remote Group for effective management of multiple remote sites. Click **Add** to create a new reference group

- Remote Site Setup

Enter a site name and the IP address of the remote site (modem telephone number for dial-up connections), acquired from your network administrator. Click the **Port...** button to set up the IP port number of each program. The IP port number should match the value set during the network setup of the remote DVR. If the remote DVR version does not allow you to set the IP port numbers, use the following values: "8200" for Admin, "8016" for Watch, "10019" for Search and "8116" for Audio. Select the number of cameras at the remote site. For example, selecting "8" from the list when registering a 16-channel DVR displays video of the first 8 channels on the screen.

- Login Setup

Enter the user ID and password of the remote site to be accessed. If you have entered a user ID and a password, the site will be connected automatically without a dialog box requesting a password.

- Emergency Event Instruction

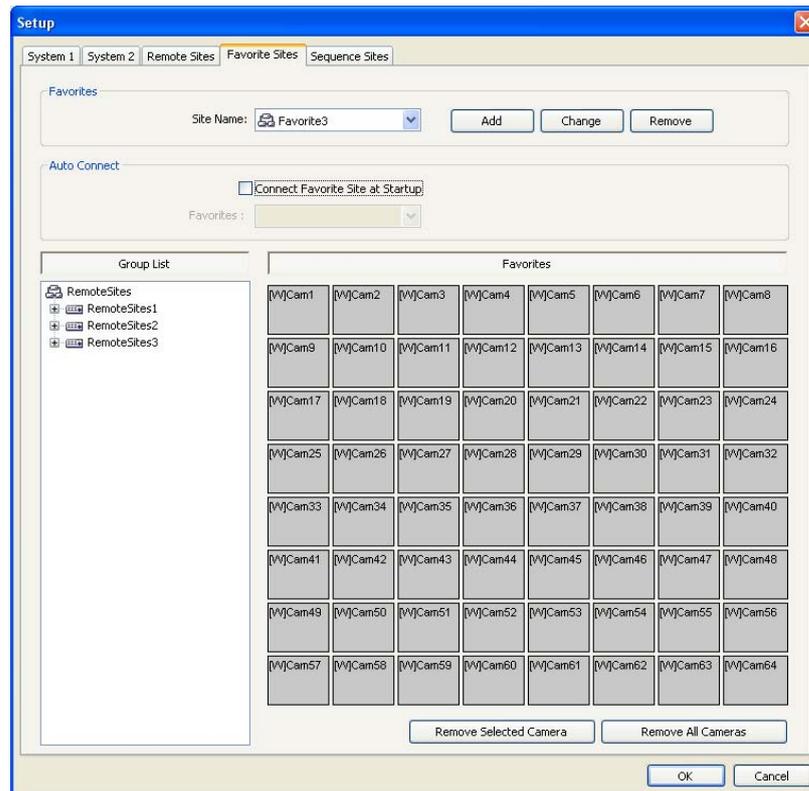
Enter the message to display when emergency events are called in from the remote site. The Emergency Event Instruction can be checked by clicking the right mouse button after selecting the event or the site from the list in the **Emergency Event** panel.



NOTE

Up to 32 characters may be used for the site names, telephone numbers and user IDs, and up to 10 characters may be used for passwords.

- **Change** Select the group or site you want to change and click **Change**, or double click the group or the site to change. Then, edit the site information.
- **Remove** Select the group or site you want to remove and click **Remove**.
- **List All** Displays all registered remote sites.
- **Find** Enter the group name or site name to search for and click **Find** to display the matching groups or sites in the list.



Favorite Sites

The Favorite Site is a user-defined connection list that combines more than one remote site, so multiple sites can be monitored at the same time with a single connection. Add a new Favorite Site and define it by dragging and dropping sites and/or cameras to the **Favorites** map. Up to 64 cameras can be monitored at a time when each camera is assigned to its own position on the **Favorites** map.

- **Favorites**
 - Site Name: Select a registered Favorite site from the drop-down list.
 - Add: Adds a new Favorite site. Clicking the button displays the **Favorites** dialog box. Enter the name of the Favorite site to add, and select the desired screen layout used when the Favorite site is connected.
 - Change: Select the Favorite site to be changed from the **Site Name** list and click the **Change** button. Then change the site name or screen layout.
 - Remove: Select the Favorite site to be removed from the **Site Name** list and click the **Remove** button.
- **Connect Favorite Site at Startup** Select whether or not your favorite site is automatically connected when SISTORE AX RAS starts.
- **Remove Selected Camera** Removes selected cameras from the **Favorites** map. Cameras can also be removed by clicking the right mouse button after selecting the camera.
- **Remove All Cameras** Removes all cameras from the **Favorites** map.

NOTE



Cameras can be selected by clicking the left mouse button on the camera in the **Favorites** map. Selected cameras will be outlined in red. Clicking the left mouse button on the camera while holding the Ctrl key toggles camera selection On and Off. Multiple cameras can be selected by clicking the left mouse button while holding the Shift key.

NOTE



“[W]” (**Watch** Screen) and “[S]” (**Search** Screen) displayed to the left of the camera number indicates the display option of each camera. The display option can be selected when registering a Favorite site. Selecting the remote site from the **Group** list and dragging and dropping it to the **Favorites** map using the right or left mouse button (this is user-defined and must be set during System setup) displays the text menu screen. Select the desired display option between **Watch** screen and **Search** screen. If you do not select the display option, **Watch** screen display will be assigned to all cameras of the registered Favorite site by default.

NOTE

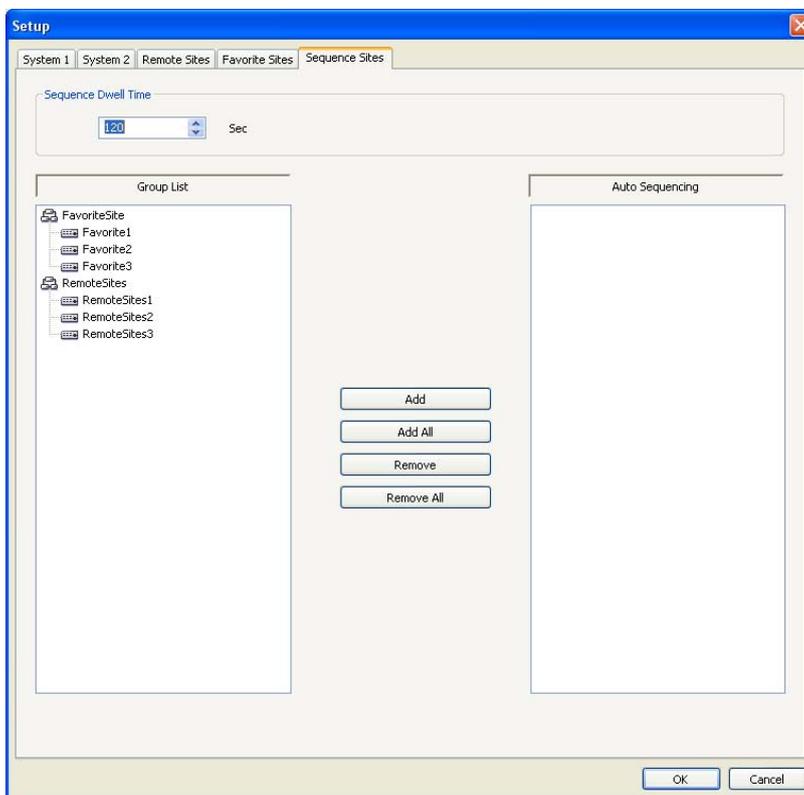


Clicking the button on the toolbar will save the current screen layout of the **Watch** screen or **Search** screen directly to the Favorite site.

NOTE



The **Favorite Site** list does not work with modem connections.



Sequence Sites

Configure the sequence site. SISTORE AX RAS connects to the registered sites sequentially allowing connection to more than one remote site.

Sequence dwell time

Here you can set sequence intervals (from 5 sec to 1 hour) for each connection.

Add

Select the site to be added from the **Group List** and click **Add**.

Add All

Adds all sites in the **Group List** to the **Auto Sequencing** list.

Remove

Select the site to be removed from the **Auto Sequencing** list and click **Remove**.

Remove All

Removes all sites in the **Auto Sequencing** list.

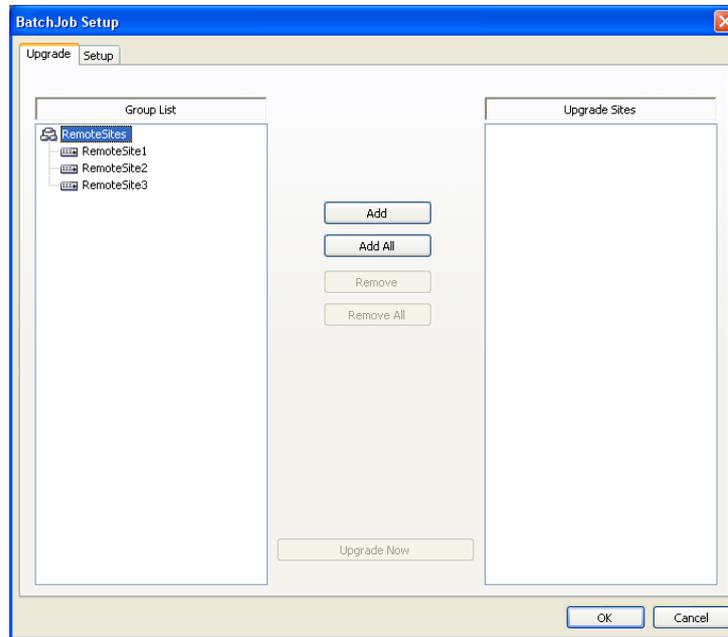


NOTE

The **Auto Sequencing** list is not valid with modem connections.

Batch Job Setup

Allows upgrading or setting up multiple remote DVRs using the **Batch Job Setup** screen.



Upgrade

Sets up the remote upgrade job for remote sites.

1. Select the remote sites to be upgraded from the **Group List**, and add them to the **Upgrade Sites** list by clicking **Add**.
2. Click the **Upgrade Now** button to initiate the remote upgrade job for registered **Upgrade Sites**.

- **Add**

Select the site to be added from the **Group List** and click **Add**.

- **Add All**

Adds all sites in the **Group List** to the **Upgrade Sites** list.

- **Remove**

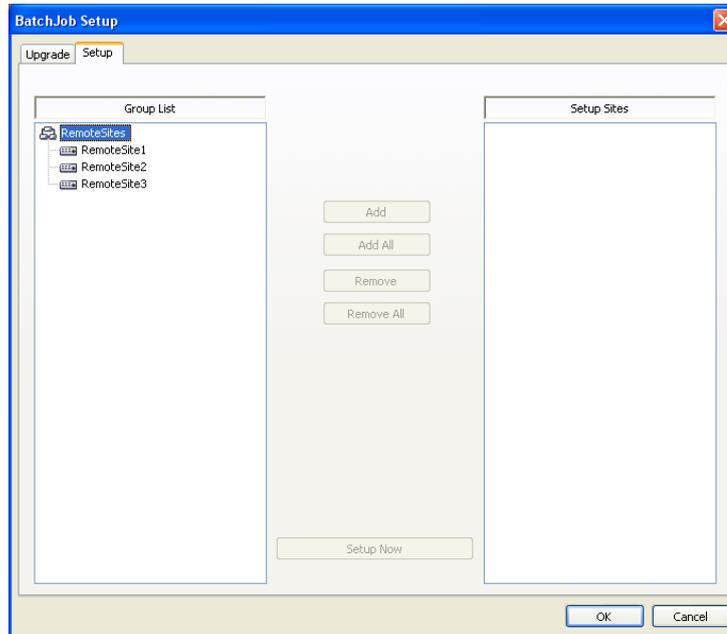
Select the site to remove from the **Upgrade Sites** list and click **Remove**.

- **Remove All**

Removes all sites in the **Upgrade Sites** list.

- **Upgrade Now**

Upgrades the software on the **Upgrade Sites**.



Setup

Sets up the remote setup job for remote sites.

1. Select the remote sites to set up from the **Group List**, and add them to the **Setup Sites** list by clicking the **Add** button.

2. Click the **Setup Now** button to initiate the remote setup job for **Setup Sites**.

- Add

Select the site to be added from the **Group List** and click **Add**.

- Remove All

Removes all the sites in the **Setup Sites** list.

- Setup Now

Performs the setup on the **Setup Sites**.

Disconnect

Disconnects all current connections. Disconnection can also be performed by clicking the  button on the toolbar.

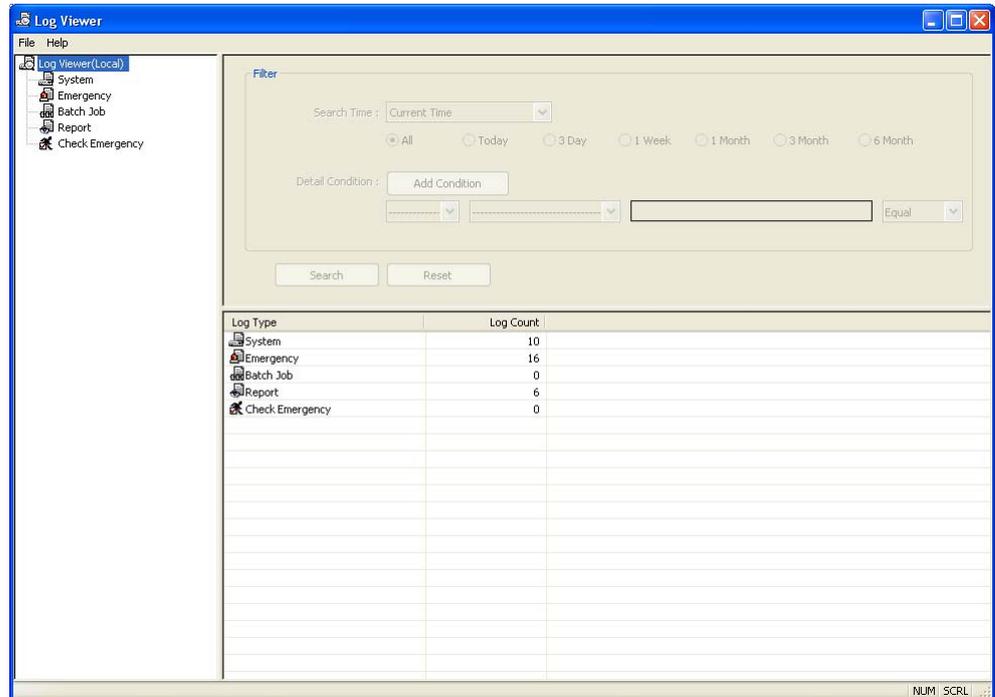
Log Viewer

Displays log information saved in the SISTORE AX RAS system.



NOTE

You can also display the **Log Viewer** screen by selecting **Log Viewer** from the SISTORE AX RAS options under the **Start** menu in Windows.



Log Viewer

Displays the type of log and the number of log entries. Selecting a log type from the list displays all entries of the selected log type, and you can search for the desired log by setting up a search filter.

- Filter

Set up the search condition of the selected log type.

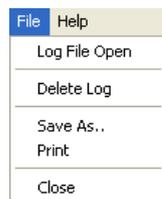
- **Search Time:** Set up the time range to search within. Selecting **Current Time** and the desired period searches for logs from the current time and as far back as the selected time span. Selecting **Detail Time** allows you to set up a specific starting and ending time to search within.
- **Detail Condition:** Set up the desired search parameters. Select a filter target from the second list, and select a filter from the third list (enter a filter in the text box). Then select a comparison operator from the last list: "Equal" to search for logs that satisfy the condition (case sensitive), "Not Equal" to search for logs excluding logs that satisfy the condition, "Like" to search for logs that include the entered keyword or "Not Like" to search for logs that do not include the entered keyword. Clicking the **Add Condition** button allows you to add more search conditions. Selecting "AND" searches for logs satisfying all conditions. Selecting "OR" searches for logs satisfying at least one of the conditions.

- Search

Displays log entries satisfying the preset search filter.

- Reset

Resets the search filter.



Log File Open

Opens a log file (.db).

Delete Log

Deletes logs older than a certain age.

Save As...

Saves the log information in the list as a text or CSV file.

Print

Prints the log information.

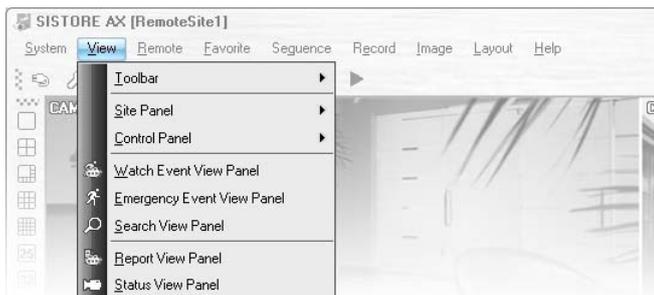
Close

Closes the **Log Viewer** screen.

Exit

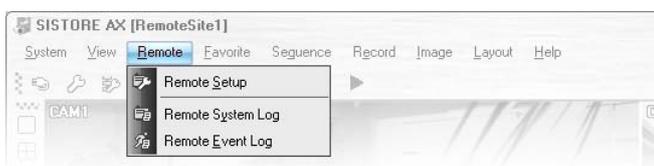
Disconnects all current connections and exits the SISTORE AX RAS program.

5.3.2 View menu



Displays or closes the toolbar and panels.

5.3.3 Remote menu



NOTE

The **Remote** menu can also be activated by clicking the right mouse button after selecting the remote site on the **Remote Sites** panel.

Remote Setup

Allows to change the setup of a remote DVR. Select the remote site on the **Remote Sites** panel, initiate the **Remote Setup** menu, and the setup screen displays.

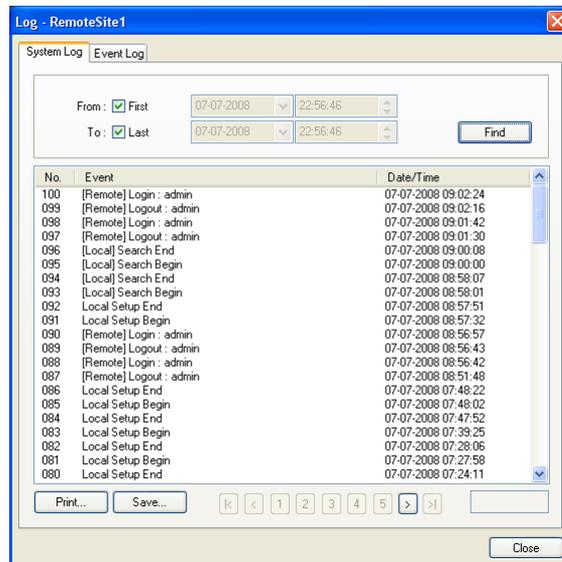


NOTE

Refer to the User Manual for the remote DVR for more details on system setup.

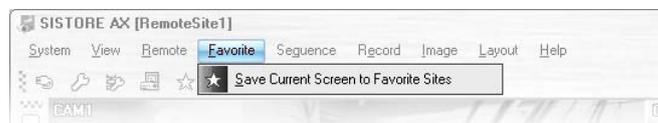
Remote System Log/ Remote Event Log

Displays the system log and event log information of a remote DVR. Set the time range of interest and click the **Find** button. The log entries within the time range displays in the list. 100 results can be displayed in a single page. Click the Move buttons to display additional results.



- From** Adjust the search starting date and time. When **First** is selected, it will search from the first logged item.
- To** Adjust the search ending date and time. When **Last** is selected, it will search to the last log.
- Find** Displays remote log entries within the selected period.
- Print...** Prints the log information.
- Save...** Saves the log information as a text or CSV file (UTF-8 encoded).
- Move Buttons** Moves to the first page (), previous page (), next page () or last page (). You can go directly to a log page by clicking the page number button.
- Close** Closes the **Log** dialog box.

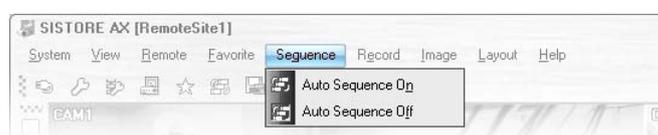
5.3.4 Favorite menu



NOTE
The **Favorite** menu can also be accessed using the toolbar controls.

Saves the current screen layout directly to the **Favorite** site.

5.3.5 Sequence menu



NOTE
The **Sequence** menu can also be accessed using the toolbar controls.

Starts or ends auto sequencing.

5.3.6 Record menu



NOTE

The **Record** menu can also be accessed using the toolbar controls.

Starts or ends panic recording. Selecting Record Play initiates the RecordPlayer program and plays recorded video. Refer to Chapter 6.4: Panic recording for more details.

5.3.7 Image menu



Save

Saves the current image as a bitmap or JPEG file.

Print

Prints the current image.



NOTE

The **Image** menu can also be accessed using the toolbar controls.

Refer to Chapter 6.1: Live monitoring and Chapter 6.2: Playback and search for more details.

5.3.8 Layout menu



NOTE

The **Layout** menu can also be accessed using the toolbar controls.

Screen Layout

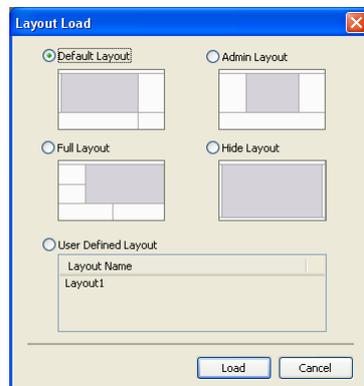


Select the desired screen layout using the layout toolbar. When changing the screen layout, the selected camera on the current screen will be located in the first cell of the new layout. When in one of the multi-view formats, selecting **Previous Cameras** or **Next Cameras** will move to the previous or next page. In other words, when viewing Cameras 1 to 4 in the quad format, selecting **Previous Cameras** will display Cameras 61 to 64 and selecting **Next Cameras** will display Cameras 5 to 8. Selecting **Full Screen** enters the full-screen mode, and returns to the previous screen mode by pressing the Esc key on the keyboard or selecting **FullScreen Close** (x) from the popup menu displayed by clicking the right mouse button.

Frame Layout

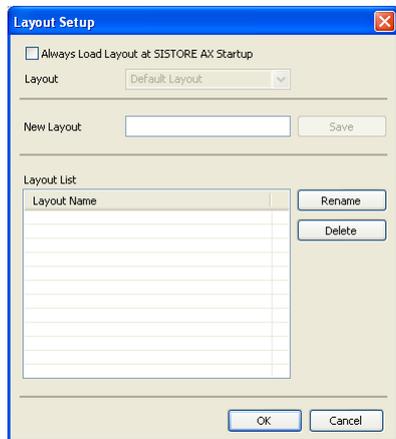


Layout Load: Select the desired frame layout and click the **Load** button to apply the selected frame layout to SISTORE AX RAS.



- Default Layout** Displays the panels that are used most frequently in the Watch and Search screen modes.
- Admin Layout** Displays only the panels that are used most frequently in the Admin screen mode.
- Full Layout** Displays all the panels.
- Hide Layout** Hides all panels and displays only the screen.
- User Defined Layout** Displays the user-defined layout.

Layout Setup: The user can configure the frame layout by displaying panels on the screen where they are most convenient. Set up the user-defined frame layout.



- Always Load Layout at SISTORE AX Startup** Select whether or not the selected frame layout loads automatically when SISTORE AX RAS starts.
- Save** Enter a layout name and click the **Save** button to save the current frame layout as a new user-defined layout.
- Rename** Select the layout to be changed from the **Layout List** and click the **Rename** button. Then change the layout name.
- Delete** Select the layout to be deleted from the **Layout List** and click the **Delete** button.



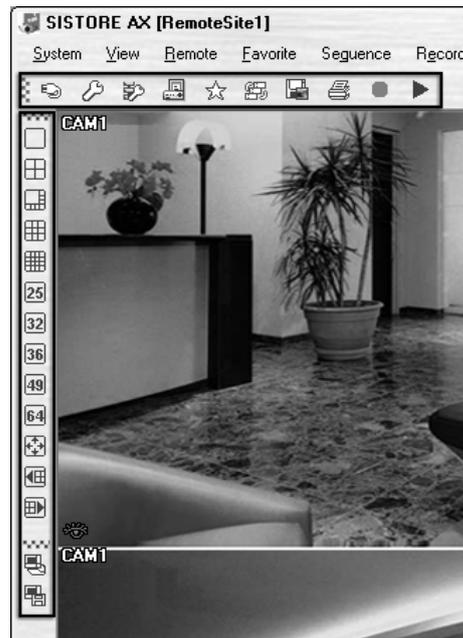
NOTE
Up to 10 user-defined layouts can be saved.

5.3.9 Help menu

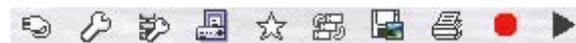
Displays SISTORE AX RAS version information.

5.4 Toolbar

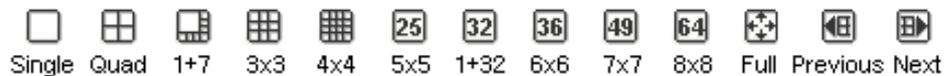
The Toolbar allows convenient access to desired functions.



The controls on the toolbar perform functions as described below:



-  Disconnect
-  SISTORE AX RAS Setup
-  Batch Job Setup
-  Log
-  Save Favorite Sites
-  Auto Sequence (**Watch** screen only)
-  Save
-  Print
-  Start recording
-  Play



Select the desired screen layout using the layout toolbar. When changing the screen layout, the selected camera on the current screen will be located in the first cell of the new layout. When in one of the multi-view formats, clicking the  or  button will move to the previous or next page.



Clicking  (Layout Load) will apply the selected frame layout to SISTORE AX RAS, and clicking  (Layout Setup) allows you to set up the user-defined frame layout.

6 Operation

6.1 Live monitoring

SISTORE AX RAS provides remote monitoring functions for viewing video images in real time from either a single site or multiple sites. In addition, when events are detected at a remote site while in the live monitoring mode, SISTORE AX RAS displays the event information on the **Watch Event View** panel. In order to perform live monitoring, the display option must be set to **Watch Screen** or **Watch and Search Screen** during System setup.

To connect a remote site on the **Watch** screen, select the site or camera you want to connect to in the **Remote Site, Favorite Sites** or **Map** panel and then drag and drop it in the desired position on the screen. The  icon will be displayed on each Watch screen. To disconnect the current connection, select the site or camera you want to disconnect to in the **Remote Sites, Favorite Sites** or **Map** panel or on the screen and then click the  button on the toolbar or select **Disconnect** from the **System** drop-down menu.



NOTE

Some DVR models will only transmit images to the SISTORE AX RAS system while recording video.



NOTE

When selecting the display option of **Watch Screen** and **Search Screen** during System setup, the remote site can also be set to connect using the right or left mouse buttons (this is user-defined and must be set during System setup). Select **Watch Screen** to connect to the selected site on the **Watch** screen when the following text menu screen appears:



6.1.1 Screen layout and frame layout



SISTORE AX RAS provides multiple screen layout options. The layouts available are single-screen, quad, 1+7, 3x3, 4x4, 5x5, 1+32, 6x6, 7x7, 8x8 and full-screen. When in one of the multi-view formats, clicking the  or  button will move to the previous or next page. To view a specific image in the single-screen mode, move the cursor to that image and double click the left mouse button. To return to the previous screen mode from the single-screen mode, double click the left mouse button in the monitoring window.

Clicking  (Layout Load) will apply the selected frame layout to SISTORE AX RAS, and clicking  (Layout Setup) allows you to set up the user-defined frame layout.

6.1.2 Audio Communication

SISTORE AS RAS supports audio communication between the SISTORE AX RAS system and a DVR location equipped with two-way audio. If you want to enable audio communication with the remote site, select any camera of the remote site on the screen and click the right mouse button. Selecting **Enable Audio** from the menu displays the following audio control panel.



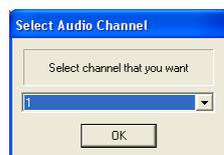
NOTE

The  icon will display on each camera screen when audio communication is available between the SISTORE AX RAS system and a DVR.



If you want to send audio to the selected remote site, click the  button and talk into the microphone. If you want to monitor live audio from the selected remote site through the attached speaker, click the  button. Clicking both  button and  button allows two-way communication. Clicking the  button disables audio communication.

If the remote DVR allows you to select an audio channel to monitor from the SISTORE AX RAS system, clicking the  button displays the **Select Audio Channel** dialog box. Select an audio channel to monitor and click the **OK** button.



6.1.3 Sequence monitoring

Clicking the  button on the toolbar connects to the registered sites sequentially allowing connection to more than one remote site and displays images from selected cameras. Clicking the button during sequence monitoring releases sequence monitoring and maintains the current connection. For sequence monitoring to function, the sequence sites should be registered during System setup. Refer to Chapter 5.3.1: System menu for details on configuring the sequence site.



NOTE

While in the sequence monitoring mode, you cannot manually connect to sites by dragging and dropping with the mouse.

6.1.4 Color Control

Adjust the brightness, contrast, saturation and hue of live video for each camera by clicking the target icons on the **Color Control** panel. Clicking the  icon cancels the image processing operation and reloads the original image. Only the administrator can adjust the image at SISTORE AX RAS.



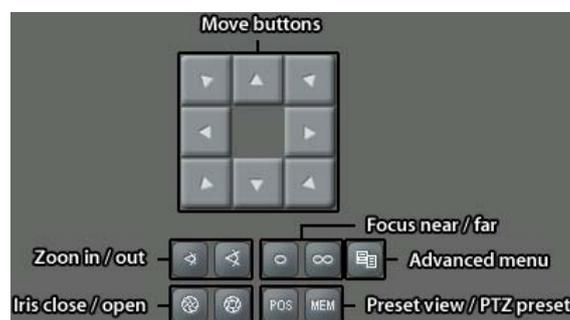
NOTE

It is important that cameras are properly adjusted. These adjustments cannot make up for improperly adjusted cameras when the images are recorded.



6.1.5 PTZ control

Select a PTZ camera at the remote site, and control pan, tilt and zoom. Only the administrator can control PTZ at SISTORE AX RAS. The  icon will display on each camera screen when PTZ can be controlled remotely.



NOTE

Control features of the **Advanced** menu will be enabled when a camera connected to a DVR supports PTZ features such as Speed, Auto Pan, Tour, etc. and the DVR supports remote PTZ control. Depending on the specifications of the PTZ camera, some features of the **Advanced** menu may not be active.



NOTE

Using the mouse for PTZ control is supported. Click the left mouse button on the image and move that image to the direction you want to by dragging the mouse. Roll the mouse wheel to zoom in or out.

6.1.6 Alarm Out control

Control alarm out devices on the remote DVRs by clicking the **ON** or **OFF** buttons. Only the administrator can control an alarm out at SISTORE AX RAS.



6.2 Playback and search

SISTORE AX RAS allows you to play back and search recorded images on remote DVRs. It also provides additional functions including zoom, various image enhancements, image saving and image printing. To use remote playback and search functions, the display option must be set to **Search Screen** or **Watch and Search Screen** during System setup.

To connect a remote site on the **Search** screen, select the site or camera you want to connect to in the **Remote Site** or **Favorite Sites** panel and then drag and drop it in the desired position on the screen. The  icon will be displayed on each Search screen. The remote site connection on the Search screen will automatically be disconnected if there is no activity for a specified amount of time. Click the  button on the toolbar or select **Disconnect** from the **System** drop-down menu to disconnect the current connection manually.



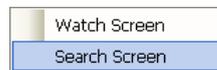
NOTE

Connecting to a Favorite site will be available if the **Search Screen** display option was set up to connect to selected Favorite sites. Refer to Chapter 5.3.1: System menu for more details on Favorite Site setup.



NOTE

When selecting the display option of **Watch** and **Search Screen** during System setup, the remote site can be also set to connect using the right or left mouse buttons (this is user-defined and must be set during System setup). Select **Search Screen** to connect to the selected site on the **Search** screen when the following text menu screen appears:



It is possible to display cameras in both the **Watch Screen** mode (live view) and **Search Screen** mode at the same time. For example, you can connect to a remote DVR site with nine cameras. Drag and drop the site into the first frame on the viewing screen and select **Watch Screen**. Live video will display in the first nine frames on the screen. Then, drag and drop the site into the 10th frame on the viewing screen and select **Search Screen**. You will be able to view any video recorded on the remote DVR in frames 10 through 18.

6.2.1 Search View panel



The **Search View** panel consists of playback and search controls, time-lapse search table, and event search table.

The playback buttons on the **Search View** panel perform the following functions as described below:

	Fast Backward Play
	Stop
	Play
	Fast Forward Play
	Go to the First Image
	Go to the Previous Image
	Go to the Next Image
	Go to the Last Image



NOTE

The speed of fast forward depends on the network bandwidth and the number of images per second recorded.

You can control the playback speed of images that are currently being played back by using the  control slider. You can control the fast forward or fast backward playback speed of images that are currently being played back fast forward or fast backward by using the  control slider.

You can enlarge a specific part of the image up to five times using the  control slider. You can electronically pan and tilt within the enlarged image by dragging the image using the mouse. Click the left mouse button on the enlarged image and drag to move its position. You can change the brightness of the current image using the  control slider.



NOTE

Zoom in/out and brightness control work only while in the pause mode.

6.2.2 Search mode

SISTORE AX RAS supports two search modes: time-lapse mode and event mode. The time-lapse search mode searches for recorded data by time and then plays back images found within the time parameters. The event search mode searches for event log entries using specific conditions and plays back the images associated with those event entries. These two modes have different panel configurations and search methods.



NOTE

Using two search modes at the same time will NOT be available.

6.2.2.1 Time-lapse search

1. Click the  button on the **Search View** panel to enter the time-lapse search mode.
2. Select a date from the calendar to initiate the time-lapse search.
 - The dates for which recorded images are available are enabled. When first entering the time-lapse search, the latest date with recorded images will be selected (highlighted) in the calendar.
3. Click the  (**Reload**) button to reload the date information.
 - Recorded information available from the selected date will be displayed on the timetable.
 - The recorded data are displayed by time, and bar-shaped segments indicate there are recorded data during that time. Select a specific hour by clicking the mouse on the desired hour segment.



NOTE

The timetable of the time-lapse search panel will differ depending on the model of remote DVR that is connected to SISTORE AX RAS.

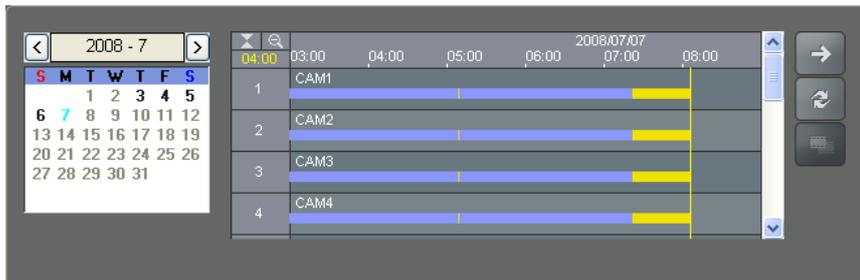


The recorded data of all camera channels are displayed by time in one-hour segments and a yellow-highlighted segment indicates the selected time that will be played back.

4. Select a specific hour by clicking the mouse on the desired hour segment.
 - Video images will be played back starting with the first image captured within the one-hour segment.

If the remote DVR's time and date have been reset to a time that is earlier than some recorded video, it is possible for the DVR to have more than one video segment in the same time range.

- Click the  (**Segment**) button and select the video segment you want to search.
 - The active segment will be highlighted with pink, and the inactive segment will be highlighted with gray on the timetable.



The recorded data of each camera channel are displayed by time in one-minute segments and a red vertical line indicates the selected time that will be played back.

The colour of the bar indicates different types of recording: Red for Panic, White for Pre-event, Yellow for Event, and Blue for Time-lapse. If the DVR has more than one video segment in the same time range, each segment will be separated by a yellow vertical line.

- To view an image at a specific time, click the  (**Go To**) button and set up the date and time to search.

6.2.2.2 Event search

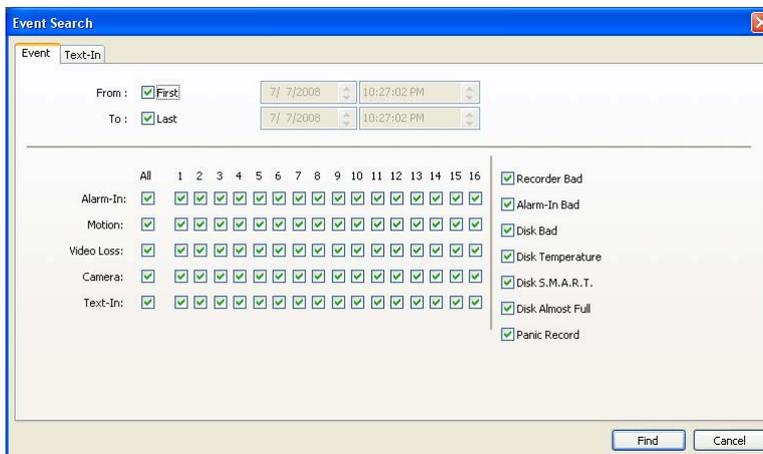
Site	Event	Date/Time
RemoteSite1	CAM16	07-08-2008 06:03:39
RemoteSite1	CAM15	07-08-2008 06:03:39
RemoteSite1	CAM14	07-08-2008 06:03:39
RemoteSite1	CAM13	07-08-2008 06:03:39
RemoteSite1	CAM12	07-08-2008 06:03:39
RemoteSite1	CAM11	07-08-2008 06:03:39
RemoteSite1	CAM10	07-08-2008 06:03:39
RemoteSite1	CAM9	07-08-2008 06:03:39

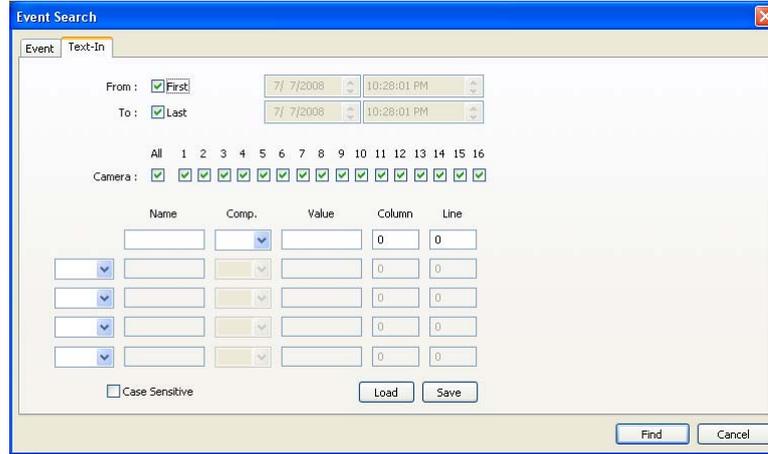


NOTE

Refer to Section 5.2.9: Watch Event View panel for details on the description of event icons.

- Click the  button on the **Search View** panel to enter the event search mode.
- Click the , and set up the search condition in the following **Event Search** dialog box.





NOTE

The **Event Search** dialog box will differ depending on the specifications of remote DVR.



NOTE

The Text-In (**Event Search – Text-In** tab) search may not be supported, depending on the specifications and version of the remote DVR

1. Set up the search criteria for the event search in the **Event Search** dialog box.
2. Click the **Find** button.
 - The results will be displayed in the event list.
A total of 100 results can be displayed at a time.
3. Click the  (**Query Next**) button to display the next results.
4. Select an event in the list.
 - The recorded data associated with that event will be displayed on the screen.
The images may be played back using the playback buttons.



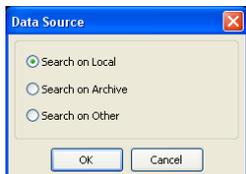
NOTE

When **First** is selected for the search starting time, the search will be from the first recorded data.
When **Last** is selected for the search ending time, the search will be to the last recorded data.

6.2.3 Additional functions

Searching data source

Click the  button on the **Search View** panel to set up the data source to be searched.



- Search on Local** Searches recorded data on primary storage installed in the remote DVR.
- Search on Archive** Searches archived data on backup storage installed in the remote DVR.
- Search on Other** Searches recorded or archived data on storage used for another DVR then installed in the selected remote DVR.



NOTE

The **Search on Other** option may not be supported, depending on the specifications and version of the remote DVR.

Screen layout and frame layout



SISTORE AX RAS provides multiple screen layout for playback. The available formats are single-screen, quad, 1+7, 3x3, 4x4, 5x5, 1+32, 6x6, 7x7 and 8x8 and full-screen. When in one of the multi-view formats, clicking the  or  button will move to the previous or next page. To view a specific image in the single-screen mode, move the cursor to that image and double click the left mouse button. To return to the previous screen mode from the single-screen mode, double click the left mouse button in the playback window.

Clicking  (Layout Load) will apply the selected frame layout to SISTORE AX RAS, and clicking  (Layout Setup) allows you to set up the user-defined frame layout.

Image processing



The **Image Processing** panel allows enhancing played back images using processing controls.

-  Blurs the image
-  Sharpens the image
-  Equalizes the image



Reduces the alias effect that occurs when using the zoom function



Reloads the original image

Playing Recorded Audio

SISTORE AX RAS will play audio when it is in the single-screen layout while playing back recorded video that has recorded audio. Audio playback can be On or Off by selecting **Enable Audio** from the menu displayed by clicking the right mouse button on the screen.



NOTE

Audio might be interrupted during playback because of network conditions and your PC's performance.

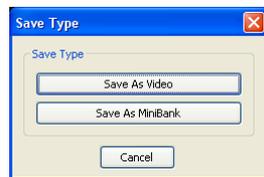


NOTE

Playing recorded audio may not be supported, depending on the specifications of the remote DVR.

Save

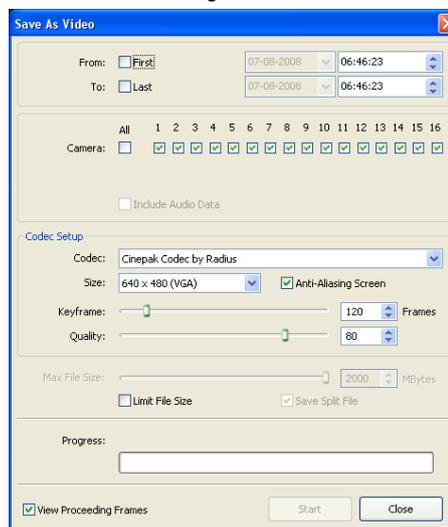
Clicking the  button on the **Search View** panel saves recorded video.



Save As Video...

Saves any video clip of recorded data in an AVI (Audio Video Interleaved) file format.

1. Set up the save parameters in the following dialog box.
2. Click the **Start** button and then set the file name. Clicking the **Save** button starts saving video.



NOTE

Selecting **Include Audio Data** includes audio data when saving video with recorded audio. This option is not available when more than one camera is selected.



NOTE

When the data file reaches 2GB, saving stops. Selecting **Limit File Size** and adjusting the maximum file size causes saving to stop once the data file reaches the maximum file size setting. Selecting **Save Split File** saves video by creating multiple files in 2GB units or in the **Max File Size** units.



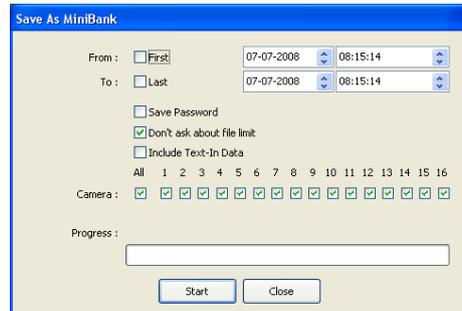
NOTE

Selecting **View Proceeding Frames** displays a popup screen showing the video currently being saved.

Save As MiniBank...

Saves any video clip of recorded data as an executable file.

1. Set up the save parameters in the following dialog box.
2. Click the **Start** button, and select **Save in**.
3. Enter a file name.
4. Select **Save as type** (.exe) for the video you are saving.
5. Click **Save**.



NOTE

When the data file reaches 2GB, you will be asked to continue saving by creating multiple files in 2GB units. If you do not want to be asked, select **Don't ask about file limit**.



NOTE

The **Save As MiniBank** dialog box will differ depending on the specifications of remote DVR.

6.3 Additional functions

Save

Clicking the button on the toolbar saves the image currently displayed on the screen as a bitmap or JPEG file. By placing a checkmark in the box beside **Include Image Info**, text information about the site will be included when saving the image.

Print

Clicking the button on the toolbar prints the image currently displayed on the screen on a printer connected to your computer. By placing a checkmark in the box beside **Include Image Info**, text information about the site will be included when printing the image.

Screen Menu

Selecting a camera on the **Watch** or **Search** screen and clicking the right mouse button display the popup menu.



Enable Audio	Enables audio communication with the remote site on the Watch screen. Plays audio while playing back recorded video that has recorded audio on the Search screen. Refer to 6.1: Live monitoring and 6.2: Playback and search for more details.
Aspect Ratio	Changes the image aspect ratio displayed on each camera screen. <ul style="list-style-type: none">– Fit to Screen: Displays images by fitting them to the screen size.– Original Ratio: Displays images by fitting them within the screen size while maintaining their original ratio.– Half Size (x0.5) to Quadruple Size (x4): Select the desired image size. Options are enabled when the selected camera screen can display images in that size.
Set Record Camera	Sets the selected camera channel to be recorded during panic recording. Refer to 5.3.1: System menu for details on configuring camera channels for panic recording.
Deinterlacing	Enhances image display quality of interlaced video on the screen by eliminating horizontal scan lines or noise in areas with motion. <ul style="list-style-type: none">– Triangle: Blurs images.– Bob: Sharpens images but loses a little bit of sharpness in areas without motion.– Weave: Sharpens images and gains a little bit of sharpness in areas with motion.– BobWeave: Is combination of Bob and Weave and gains more sharpness than Bob or Weave.– Two Frame: Provides greater visibility than Bob or Weave in areas with and without motion.– Blended Clip: Maximizes parameters to enhance visibility.
Anti-Aliasing Screen	Enhances image display quality for all cameras on the screen by eliminating stair-stepping (aliasing) effects in the enlarged image.
Disconnect Camera	Disconnects a camera on the screen.



NOTE

When using a low-end computer, image drawing speed might decrease while using a deinterlace filter depending on the type of deinterlace filter. (CPU usage: Triangle < Bob < Weave < BobWeave < Two Frame < Blended Clip)



NOTE

When using a low-end computer, image drawing speed might decrease when the **Anti-Aliasing Screen** option is selected.

6.4 Panic recording

Clicking the  button on the toolbar starts panic recording of cameras currently displayed on the **Watch** screen. Clicking the button again stops panic recording. Up to 16 channels can be recorded at a time, and you can select which cameras are to be recorded during the System setup. Clicking the  button on the toolbar initiates the **Record Player** program and plays video saved in the recording folder designated during the System setup. The Record Player GUI and its controls are almost identical to the Clip Player. Refer to Chapter 7.1: Reviewing video clips for more details on the **Clip Player**.

If you want to play back video saved in another recording folder, run the **Record Player** program first:

1. Move to the Start menu in Windows.
2. Select **RecordPlayer** from the SISTORE AX RAS options.
3. Select the recording folder path you want to use.

Recorded video can be saved as a bitmap or as an executable file using the save function of the Record Player program.



NOTE

Panic recording will be available only if you select **Use Recording** and it is set up in the recording options during the System setup.



NOTE

The date and time displayed on the **Record Player** indicates when the recording was made on SISTORE AX RAS.



NOTE

The  icon will display on each screen when panic recording starts.

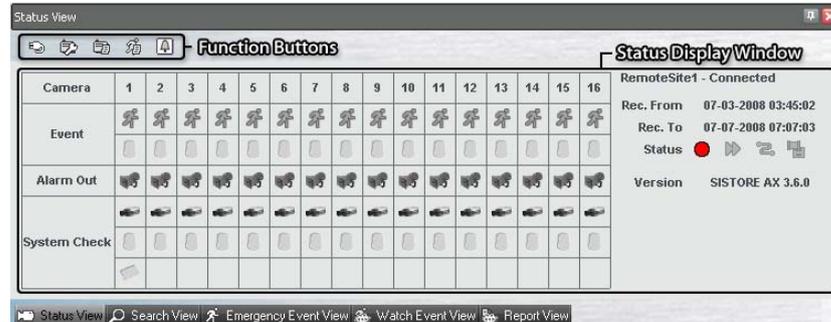


NOTE

Audio recording is not supported.

6.5 Status View

SISTORE AX RAS provides a display of event, alarm out, system check and recording status information from the connected remote site in real-time. To connect the remote site, select the site or camera you want to connect to from the **Remote Site** or **Emergency Event View** panel and then drag and drop it in the Status View panel. Or, you can select **Connect Status** from the popup menu displayed by clicking the right mouse button after selecting the site from the **Remote Site** list.



6.5.1 Function buttons



Disconnect

Disconnects the current connection on the **Status View** panel.



NOTE

If you want to connect to another site, disconnect from the currently connected system on the **Status View** panel first by clicking the button.



Remote Setup

Allows changing the setup of the remote DVR connected to the **Status View** panel.



NOTE

Refer to the manual for each applicable remote DVR for more details on system setup.



Remote System Log

Displays the system log information of the remote DVR connected to the **Status View** panel.



Remote Event Log

Displays the event log information of the remote DVR connected to the **Status** panel.

Refer to Chapter 5.3.3: Remote menu for more details on the **Remote System Log** and **Remote Event Log**.



NOTE

When the remote site is not connected to the **Status View** panel, **Remote Setup**, **Remote System Log** and **Remote Event Log** menus can be accessed by clicking the right mouse button after selecting the remote site on the **Remote Sites** panel.



Remote Panic Control

Controls the panic recording of the remote DVR connected to the **Status View** panel. The  (On) button indicates that the remote DVR is not in the panic recording mode and you can start panic recording by clicking the button. The  (Off) button indicates that the remote DVR is in the panic recording mode and you can stop panic recording by clicking the button.



NOTE

Remote Panic Control may not be supported, depending on the specifications and version of the remote DVR.

6.5.2 Status Display Window

The **Status Display Window** displays the event, alarm out, system check and recording status information of the remote system connected to the **Status View** panel in real-time.



NOTE

Status display may not be supported, depending on the specifications of the remote DVR.

Event

Displays events detected by the internal motion detector or by an external sensor. The status display of event detection will continue during the preset dwell time of the event-driven recording.

Event Detection



(Motion Detection, Sensor)

No Event Detection



Event Off



Alarm Out

Displays status of the alarm-out signals.

Alarm Out



No Alarm Out



Alarm Out Off



System Check

Displays the function status of the camera, alarm, and recording.

Normal



(Camera, Alarm, Recording)

Irregular



System Check Off



Record From/To

Displays the record period.

Status

Displays the recording, playback, archiving, clip-copy status.

On



(Recording, Playback, Archive, Clip-Copy)

Off



Version

Displays the system version information.

7 Appendix

7.1 Reviewing video clips

You do not need to install any special software on your personal computer to review video saved as MiniBank file. The file contains the SISTORE AX Player program. Double-clicking the target file starts the SISTORE AX Player program.



NOTE

The SISTORE AX Player GUI will differ depending on the model of the remote DVR that is connected to SISTORE AX RAS when reviewing the video saved as a MiniBank file.

7.1.1 SISTORE AX Player



NOTE

It is suggested that the computer used for the SISTORE AX Player program has at least an 800 MHz Pentium III. If your CPU is slower than this, video clips recorded at maximum speed with very high image quality will be played back slowly.



The **Monitoring Screen** displays the backed up images.

Click the right mouse button on the image to zoom in and click the right mouse button while holding the Ctrl key to zoom out. Scrolling the mouse wheel up or down on the image also zooms in or out. Clicking the right mouse button on the image while holding the Shift key switches the screen size.

Click and hold the left mouse button and drag the image to move its position.

Clicking the **Quit** button exits the Player program.

Click the **Print** button to print the current image on the printer connected to your computer.

Click the **Save** button to save the current image in a bitmap file format on the local hard disk drive or floppy disk.

The **Backup File Information** window displays information regarding the backup file. **Location** displays the site description of the DVR where the backup was made. **Record** displays the time span of the video backup file. **Encryption** displays whether the backup file has been tampered with. **Normal** means the file has not been tampered with, **Wrong** means the system has detected tampering, and no mark means the user cancelled the encryption check.

The **Current Image Information** window displays information about the current image. **Camera Title** displays the camera name of the current image, and **Time** displays the date and time the image was recorded.

The **Image Search Slide Bar** displays the current playback position. The user can move to another image by clicking the mouse and dragging along the slide bar.

The **Playback Function Buttons** include fast backward, backward, play, pause, fast forward, go to the first image, go to the previous image, go to the next image, and go to the last image buttons.

The **Brightness Control Slide Bar** adjusts the brightness of the images by clicking the mouse and dragging along the slider bar. Minute brightness changes can be made using the  and  icons located at each end of the bar.

The **Brightness Revert Button** reloads to the original image.

Clicking the **Mute Button** mutes the recorded audio.

Clicking the **OSD (On-Screen Display)** button switches the OSD option. The OSD information includes camera location and date/time.

Double clicking the SIEMENS logo at the top right corner while holding the Shift key switches video formats when you are experiencing improper image display.

7.1.2 Clip Player



NOTE

It is suggested that the computer used for the Clip Player program has at least an 800 MHz Pentium III. If your CPU is slower than this, video clips recorded at maximum speed with very high image quality will be played back slowly. Also DirectX 9.0 or higher is required to be installed, and the VGA card with 16MB or higher video RAM is recommended for proper operation.



NOTE

You will be asked to enter the password to initiate the Clip Player program if you select the **Save Password** option when saving recorded video.



The **ClipPlayer** screen displays the clip images.



NOTE

Proper image display depends on the display settings of your PC. If you are experiencing display problems, click the right mouse button on the background screen and select **Properties → Settings**, then set the color quality to “32 bit”. Then select **Advanced → Troubleshoot**, and then set the Hardware Acceleration to “Full”. Please make sure that DirectX version 9.0 or higher has been installed if the display problem continues. To check the version of DirectX, click **Start → RUN** and type “dxdiag”, then hit the Enter key which will display the **DirectX Diagnostic Tool** dialog box. Then move to the **Display** tab and make sure DirectDraw Acceleration is set to “Enabled”. Test DirectDraw by selecting the **DirectDraw Test** button. Please check the driver version of the video card and update it to the latest version available. If you still have display problems after changing all display settings as described above, try replacing the video card. Video cards with an ATI chipset are recommended.

Functions / buttons of the Clip Player

- Clicking exits the Player program.
- Click to go to the beginning of the video clip.
- Click to play the video clip in fast reverse.
- Click to go back one frame of the video clip.
- Click to play the video clip.
- Click to go forward one frame of the video clip.

Click  to play the video clip in fast forward.

Click  to go to the end of the video clip.

Click  to show the previous camera group if there is recorded video in the previous camera group in the current screen mode.

Click  to cycle through the screen layouts. It cycles through 2x2, 8, 3x3 and 4x4.

Click  to show the next camera group if there is recorded video in the next camera group in the current screen mode.

Click the  icon to set up the Clip Player properties.

- Selecting **Print** lets you print the current image.
- Selecting **Frame Info** displays Channel, Title, Time, Type, Size and Resolution information about the image.
- Selecting **Image Processing** allows you to control brightness, blur and sharpness of playback images. (Single-Screen Layout and Pause Mode Only)
- Selecting **Play Speed Control** allows you to change the playback speed (**Play**) or fast forward/backward playback speed (**FF/RW**).
- Selecting **Drawing Mode** allows you to select the draw mode level. If you are not sure about the best draw mode level for your system, try each level until the image displays properly.
- Selecting **Screen Size** allows you to change the Clip Player screen size.
- Selecting **Aspect Ratio** changes the image aspect ratio displayed on each camera screen.
- Selecting **OSD Setup...** allows you to select options to display on the screen.
- Selecting **Enable Audio** allows you to play audio while playing back recorded video that has recorded audio. (Single-Screen Layout Only)
- Selecting **Anti-Aliasing Screen** enhances image display quality on the screen by smoothing stair-stepping (aliasing) effects in the enlarged image. If video plays slow because of your CPU's slow speed, releasing the **Anti-Aliasing Screen** option might improve playback speed.
- Selecting **Show Text-In** displays video with text-in data if the video was recorded with text-in data. (Single-Screen Layout Only)

Click the  icon to save clip images.

- Selecting **Save as Image** allows you to save the current image as a bitmap or JPEG file.
- Selecting **Save as Image (Actual Size)** allows you to save the current video frame as a bitmap or JPEG file in its actual size. (Single-Screen Layout only)
- Selecting **Save as Clip-Copy** allows you to save video of desired time range as an executable file.
- Selecting **Save as Video** allows you to save video of desired time range as an AVI file.
- Selecting **Clip-Copy Log** allows you to save the clip copy log information as a text file. The user information about "Save As Clip Copy" will be logged as "Internal-Copy".

Click the  icon to select from Normal and Double screen views (Single-Screen Layout only). You can move the enlarged image by clicking the left mouse button and dragging.

Click the  icon to display the image full screen.

Encryption icons display in the bottom-right corner.  displays when the clip file has not been tampered with, and  displays and playback stops when the system has detected tampering.



NOTE

If the VGA card or monitor does not support 800x600 video resolution, Full Screen might not display properly. If this happens, press the ESC key on your PC keyboard to return to the normal screen mode.

Click the slider bar and move it left or right to move through the video clip.

Placing the mouse cursor on an image and clicking will cause that image to display full frame.

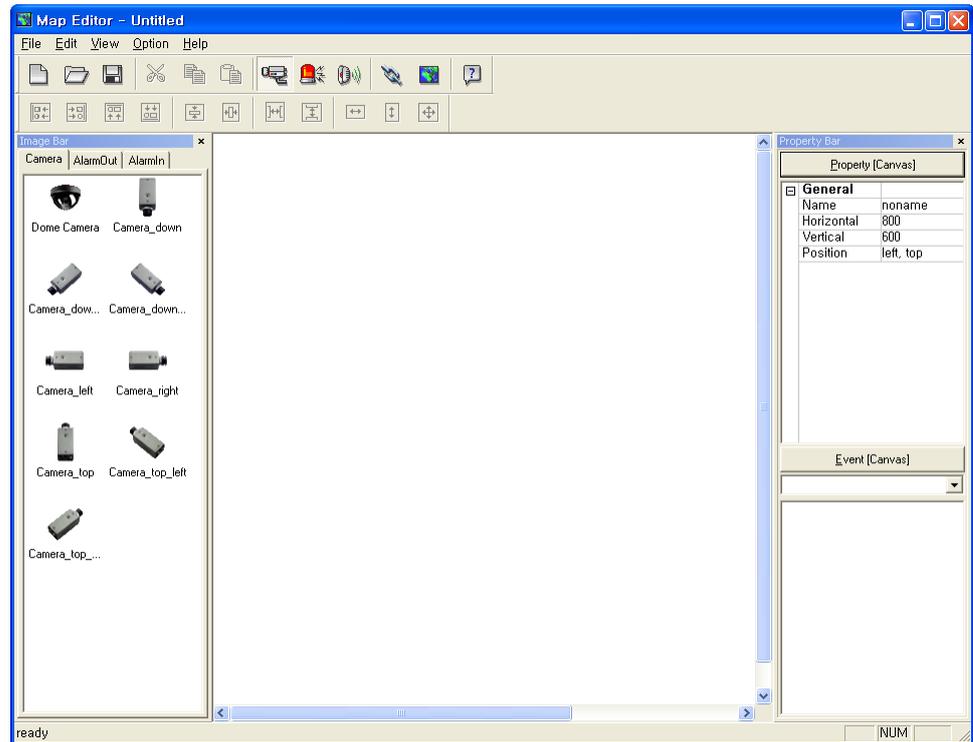


NOTE

Some options may not be available, depending on the specifications and version of the remote DVR.

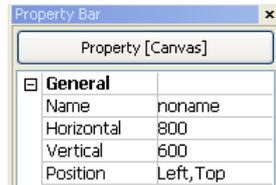
7.2 Map Editor

The Map Editor program allows you to create 3-D maps of remote sites. With the drag-and-drop and link function, you can create and edit the map easily and efficiently. Run the program by selecting **MapEditor** from the SISTORE AX RAS options under the Start menu in Windows.



7.2.1 Background image setting

1. First, prepare the image in a bitmap or JPEG file format.
2. Click the  (**Background**) button on the toolbar and select the background image of the map.
3. Go to the **Property [Canvas]** tab and set the background image information.

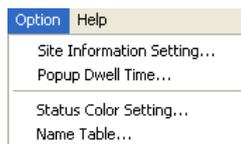


General

Name	Enter a name for the background image.
Horizontal/Vertical	Adjust the background image size by clicking each field and changing the numbers.
Position	Adjust the position of the background image on the screen. Select Auto Fit to fit the map screen size to the background image.

7.2.2 Option menu

Click the **Option** menu to set up the remote site information, device status display and remote site name to be displayed.



Site Information Setting

1. Select **Site Information Setting...** in the **Option** menu to set the information about the remote site connections.

→ The following **Site information** setup window appears.



2. Click the **Add** button.

→ The following **Site information** box appears.



3. In the **Remote Site Setup** section, enter the site name and IP address of the DVR connected to the devices you want to include on the map.

4. Click the **Port...** button and enter the network IP port number (8000 to 12000) that matches the value set during the LAN setup of the DVR.
5. Enter the user ID and password for the DVR associated with devices in the **Login Setup** section.
6. Click **OK** to save the settings.

Popup Dwell Time

1. Select **Popup Dwell Time...** in the **Option** menu.
 → The following **Popup Dwell Time** window appears.
 You can set the duration of the **Map** popup screen displayed when events are detected.



2. Check the box beside **Use Timeout** and adjust the time out dwell from 1 second to 5 minutes.
3. Selecting **Display remaining time** displays the remaining time out dwell on the **Map** popup screen.

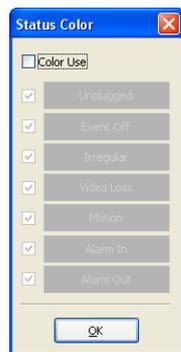


NOTE

Popup Dwell Time will be applied to all maps displayed on the **Map** panel.

Status Color Setting

4. Select **Status Color Setting...** in the **Option** menu.
 → The following **Status Color** window appears.
 You can set the device to display a unique color reflecting its status on the **Map** panel.



5. Check the box beside **Color Use** and select each status box to be used.
6. Click each selected status box and select the desired color.
7. Then click **OK**.

Unplugged	Either connection to the remote site has failed, or the Device No. for the device is not supported by the remote site.
Event off	Event detection function is not set up.
Irregular	The device is not working properly.
Video Loss	Video loss is detected.
Motion	Motion is detected.
Alarm In	Alarm in is detected.
Alarm Out	Alarm out is detected.

**NOTE**

Devices are displayed as **Irregular** based on the system check settings and as **Video Loss, Motion, Alarm In, and Alarm Out** based on the event detection settings on the remote DVR.

**NOTE**

The device displays mixed color when detecting more than two statuses at the same time.

Name Table

1. Select **Name Table...** in the **Option** menu to display the name instead of the IP address of the DVR on the **Map** panel.

→ The following **Name Table** setup window appears.

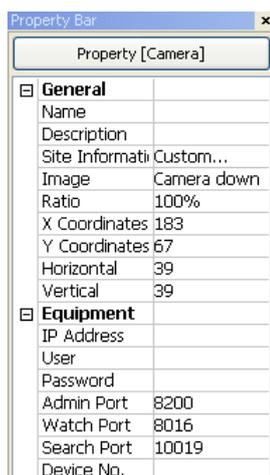


2. Click the **Display Name** field of each IP address and enter the name of the DVR to be displayed on the popup screen.

7.2.3 Device settings

Selecting the , , or  buttons on the toolbar displays the **Camera, AlarmOut** and **Alarm-In** tabs under the Image Bar.

1. Select the icons, and drag and drop them at the desired locations on the background image.
2. Go to the **Property [Camera/AlarmOut/AlarmIn]** tab and set the device information.

**General**

Name	Enter a device name.
Description	Enter a description of the device.
Site Information	Select a proper site for the device in the list, and the Equipment fields (User, Password, IP Address and Port) are filled automatically with the information set in Site Information Setting .
Image	Select an image of a device.

Ratio	Adjust the size of the device image.
X Coordinates/ Y Coordinates	Adjust the position of the device image by clicking each field and changing the numbers.
Horizontal/Vertical	Adjust the size of the device image by clicking each field and changing the numbers.
Popup camera	Under the Property [AlarmIn] tab, you can associate a camera with the sensor. Enter the camera name to associate with the sensor.
Equipment	
IP Address/User/ Password/Port	Each field is filled in automatically with the information (user ID, password, and port number) set in Site Information Setting , or you can enter it manually.
Device No.	Set the camera number (1 ~ 32) for each device.



NOTE

You should not select numbers that are not supported for cameras on the remote DVR when selecting **Device No.** Otherwise, the map cannot detect the camera and it displays the device status as **Unplugged**. For example, **Device No.** should be from 1 to 16 when the device is connected to a 16-channel DVR.

3. Go to the **Event [Camera/AlarmOut/AlarmIn]** tab and set the option for the devices.

Event [Camera]

- Selecting an event from a drop-down list and checking the **Watch View Popup** box set the **Map** panel to pop up another screen when an event occurs.
- Selecting **Click** from a drop-down list and checking the **Watch View Popup** box pops up another screen by clicking the mouse button on the camera icon on the **Map** panel regardless of event detection.

Event [AlarmOut]

Checking the **Switch on/off** box controls the alarm-out remotely by clicking the alarm-out icon on the **Map** panel.

Event [AlarmIn]

- Selecting **Alarm-in Event** from a drop-down list and checking the **Watch View Popup** box sets the **Map** panel to pop up another screen when an alarm-in event occurs.
- Selecting **Click** from a drop-down list and checking the **Watch View Popup** box pops up another screen by clicking the mouse button on the alarm-in icon on the **Map** panel regardless of event detection.



NOTE

The popup camera should be associated with the alarm in device to use the popup function. Refer to the **Device Setting – General** section for the popup camera association.

7.2.4 Link setting

1. Click the  (**Link**) button on the toolbar and place it on the screen linked with a sub-map.
 - The Link Map  box appears.
2. Select the individual link boxes by using the **Ctrl** key on the keyboard.
3. Now adjust the size and position of the link box using a mouse, a keyboard or the icons shown below.



Interval adjustment Equalizes the distance between three or more selected boxes.



Size adjustment Equalizes the size of two or more selected boxes. Clicking the arrow keys while holding the Shift key on the keyboard changes the size of the selected boxes.

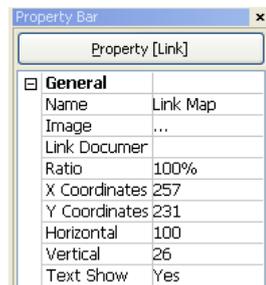


Position adjustment Arranges two or more selected boxes towards one direction or towards the center. Clicking the arrow keys while holding the Ctrl key on a keyboard changes the position of selected boxes.



Cut, Copy, Paste Cuts, copies or pastes the link box.

4. Go to the **Property [Link]** tab and set the properties of the selected link box.



General

Name	Enter a name of the link box.
Image	Double click the field and select an image to insert in the link box.
Link Document	Double click the field and select the map to be linked with the link box.
Ratio	Adjust the size of the image within the link box.
X Coordinates/ Y Coordinates	Adjust the position of the link box on the screen by clicking each field and changing the numbers.
Horizontal/Vertical	Adjust the size of the link box by changing the numbers.
Text Show	Select Yes to display the name of the link box on the selected image.

5. Click the  (**Save**) button on the toolbar to save the map.
6. You can monitor remote sites by using the map. Refer to Section 5.2.5: Map panel for more details.

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