



CIEFFE SiteManager Decode Station User and Installation Guide

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Written by Iva Sajdl. The author wishes to acknowledge everyone who contributed to the creation of this manual.

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Chapter 1: Introduction

Overview

This chapter provides a general overview of this quick reference guide, its structure and how to use the information within it. It also provides information about:

- CIEFFE,
- CIEFFE SiteManager Decode Station and
- CIEFFE software.

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About this user and installation guide

Audience This quick user and installation guide is intended for the day-to-day as well as the advanced CIEFFE SiteManager Decode Station users.

Procedures When using the procedures in this user and installation guide, please note that the following documentation standard were employed.

If...	then...
SMDS is shown	it stands for SiteManager Decode Station.
a word describes a button	the word is presented in bold . Example: Click Login in order to access the 'login' window.
a window or a menu is described	the name of the window or menu is presented in quotes. Example: The 'resource' window provides access to system resources. Note: Screens may or may not include quotation marks.
it states click on ...	it means that you move the mouse cursor over the object indicated and click the left mouse button.
it states right click on ...	it means that you move the mouse cursor over the object indicated and click the right mouse button.
the information provided is of extreme importance and must be read carefully	it will be included in the " Highly important information " section.
crucial information is provided	an orange exclamation mark will precede the text. Example: ! For security reasons, you should immediately change the default user name and password when configuring the server for the first time.

Note In this guide the words "monitor" and "display device" are interchangeable.

Continued on next page

About this user and installation guide, Continued

Further information

We welcome your suggestions and comments.
If you require supplementary information or if you wish to inform us of any suggestions regarding this user and installation guide, please contact your regional distributor or one of our regional offices listed below.

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About Cieffe

Who are Cieffe

A talented team of hardware and software development engineers formed Cieffe in Italy in 1997. Interested in design and implementation of digital systems for applications in integrated security, Cieffe specialised in this field and focused on high performance Digital Video Management Systems from the very beginning. Since then, Cieffe's mission statement has been to develop and produce innovative technical solutions for Digital Video Management. Our flexible Digital CCTV solutions have empowered our clients with the ability to successfully manage most complex digital security systems with ease and fully utilise the enormous potential Networking and the Internet offer today.

The extremes in competition and complexity present in Digital CCTV field, coupled with ever increasing demands of modern clients, have driven Cieffe towards continuous discovery of new technologies that can be deployed in Digital CCTV. Since 1997, Cieffe has been on the leading edge of research and development of new Digital CCTV technologies, developing and delivering extremely powerful Audio Visual Digital Systems to its clients.

Today Cieffe enjoys a long list of clients such as government departments, banks, casinos, airports, supermarkets and other large corporate, governmental and quasi-governmental organisations - places where success is dependent on maximum security and where a lack of security would endanger continuation of this success.

Cieffe has in recent times also adapted its core hardware and software Digital Video Systems to applications which are very diverse and different to the original security environments. Our systems are today used in many areas of life, from sports and military to market research. With Cieffe power, Closed Circuit Television has become a more flexible instrument, more adaptable and networkable than ever. Digital CCTV technologies, offered by Cieffe today, are capable of providing a wide spectrum of solution possibilities to a very diverse range of demands and requirements. Security monitoring, people-flow statistical analysis and traffic management are only some examples of where Digital CCTV technologies can be successfully applied. Here at Cieffe, we are committed to making the most out of every technology!

Cieffe has affirmed itself on the Italian and International markets for Digital Video Management Systems thanks to the competence, professionalism and dedication of its staff. We have undergone tremendous growth in recent years and are currently operating six regional headquarters in Italy, New Zealand, Australia, United Kingdom, Benelux and Japan. Each regional headquarters is responsible for specific R&D needs and demands of the region and is supported by its own capillary network of distribution.

About CIEFFE SiteManager Decode Station

CIEFFE SiteManager Decode Station

SiteManager Decode Station (SMDS) is a network monitor, able to simultaneously decode and display up to 48 video streams in real time or up to 64 video streams at a lower frame-rate from various servers on an analogue or digital monitor. SiteManager Decode Station can be used both as a powerful decoding device or as a client with a very easy-to-use local interface.

Some of the main features are as follows:

- simultaneously decode and display of up to 64 video streams
- simultaneously decode and display of up to 48 real time video streams
- Small size and low power
- Automatic reboot and re-configuration
- Direct link to the servers
- Remote control via SiteManager
- VGA and DVI video outputs
- Manual configuration of encoders (via CIEFFE SiteManager)
- Automatic configuration of encoders (via CIEFFE SiteManager)
- Metadata display
- Playback
- Multiple playback (via SPECTIVA)
- Support for two monitors

CIEFFE SiteManager Decode Station can operate in two modes – decoder mode and operator mode.

Decoder mode

In “Decoder” mode, SiteManager Decode Station can organize views of different devices (DVMS or NETTUNO network cameras) and handle multiple video streams. SiteManager Decode Station allows for live visualization, either single or multiple, single play-back visualization for video signals arriving from any CIEFFE device, multiple play-back of video signals arriving from one or more SPECTIVA DVMS. SiteManager Decode Station allows the user to request encoders of different quality (high, medium, low) from the servers, according to the visualization requirements (number of video streams to visualize) and to the available bandwidth, or to set the program to automatically adjust (Auto) its requests based on conditions and visualization requirements.

Once set and configured with SiteManager, each Decode Station works independently from the others and there is no need for connection to the configuration client. The system architecture becomes very strong (malfunction or damage to a DS does not compromise the overall function of the system) and independent (the control client can be switched off or used for other purposes). If power supply problems arise or network disconnections occur, SiteManager Decode Station can re-start and re-connect automatically, maintaining the configured settings.

Continued on next page

About CIEFFE SiteManager Decode Station, Continued

Operator mode

In SiteManager Decode Station's "Operator" mode, the security system administrator can group a certain number of resources through SiteManager and send each security guard the exact resources they need to accomplish their task. By using SiteManager Decode Station's local interface, the guards don't need to study and learn any complex computer software. SiteManager Decode Station's interface is expressly designed to ease the video surveillance tasks of inexperienced or not field's expert operators. With no need for complex authorization setups, the system administrator can determine the proper number and kind of resources that security guards can manage. Guards will only view and utilise cameras, alarms, auxes, views, panoramas and site maps allowed by the system administrator, using an application not more complex than a normal present-day TV.

About CIEFFE software

Overview

The CIEFFE SiteManager Decode Station is used with the CIEFFE SiteManager application.

CIEFFE SiteManager

CIEFFE SiteManager offers a rich and intuitive interface to provide full control over all system features and configuration for multiple network connected CIEFFE DVMS simultaneously regardless of model (Spectiva / Linearis / Proxima DVMS and Nettuno encoders).

CIEFFE SiteManager offers full remote control and viewing facilities for many network connected CIEFFE DVMS, CIEFFE NETTUNO and CIEFFE IP CAMERA RANGE devices simultaneously. With SiteManager software installed, any PC workstation can become a powerful client, able to access any number of cameras and/or servers and/or analogue monitors in a PROXIMA / LINEARIS / SPECTIVA / NETTUNO / CIEFFE IP CAMERA RANGE / DECODE STATION hybrid CIEFFE Digital CCTV Network.

Advanced 2D maps, 3D maps, logical groups of resources and user defined multiple camera views and layouts, and spot monitor outputs are also supported, giving the user powerful tools for enterprise wide configuration and management of all resources connected to CIEFFE DVMS servers. CIEFFE SiteManager natively supports analogue monitors connected via network based CIEFFE Nettuno decoders to provide the ultimate visual quality and control for an unlimited number of analogue video outputs from graphical user interface or CCTV keyboard.

Sophisticated alarm monitoring and management functions are provided within SiteManager to enable users to respond effectively at crisis times. Alarm events from multiple CIEFFE DVMS are received by CIEFFE SiteManager via network in real time and multiple response actions (camera display, view display, spot monitor camera sequence etc.) can be triggered in response to one or more alarms occurring at one or more CIEFFE DVMS servers in real time.

Activity can be logged (via text file, a database or a screen activity video clip) for a permanent record of events.

Technical support

Technical support

For technical support, please contact your regional distributor or one of our regional offices listed below.

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Chapter 2: CIEFFE SMDS - Installation

Overview

This chapter provides detailed information about:

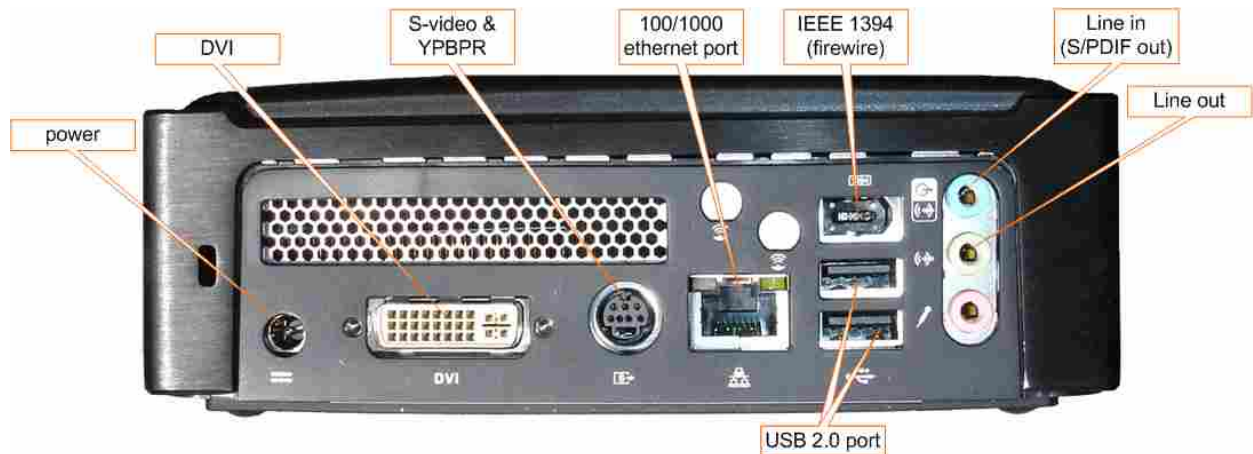
- connectors and buttons on CIEFFE SMDS back and front panels,
 - how to install CIEFFE SMDS and
 - features of CIEFFE SMDS toolbar.
-

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CIEFFE SMDS overview

CIEFFE SMDS back panel overview

For detailed information about the connectors on the SMDS back panel, please refer to the figure and table below.



Buttons and features

A brief description of each feature on the CIEFFE SMDS back panel is provided in the table below.

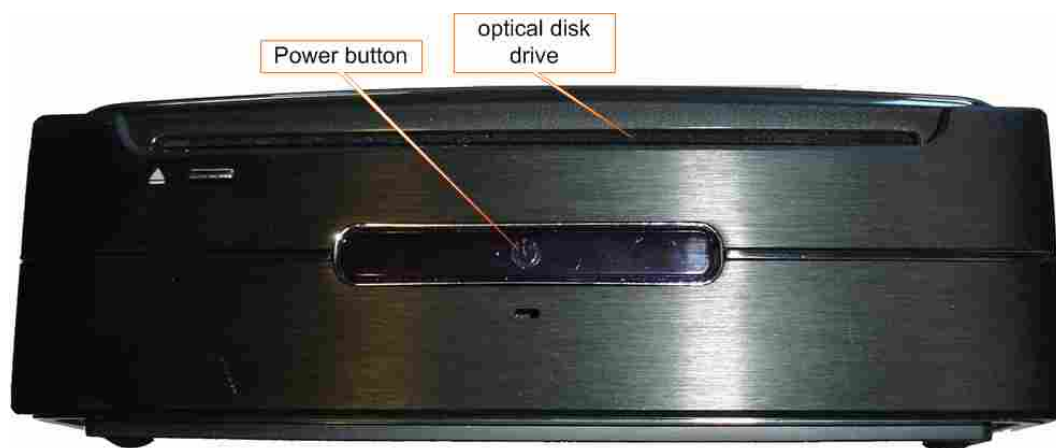
Button/feature	Function
Power	Allows you to connect the power cord and thus power supply to the CIEFFE SMDS.
DVI	Used to connect the CIEFFE keyboard to a CIEFFE SiteManager client, a Spectiva / Linearis RemoteControl client or a Spectiva / Linearis DVMS server via a RS 232 serial cable.
S-video & YPBPR	Allows you to connect a TV or HD TV to CIEFFE SMDS.
100/1000 Ethernet port	Allows you to connect CIEFFE SMDS to the network (Ethernet).
IEEE 1394 (firewire)	Allows you to connect a storage device which uses the IEEE1394 connector.
Line in (S/PDIF out)	An unamplified audio input (line in)
Line out	An audio output, allowing you to connect speakers to the CIEFFE SMDS and stream live and played back audio associated with the live and played back video footage of the camera(s) currently displayed on the primary CIEFFE SMDS monitor(s).
USB 2.0 port	Allows you to connect USB mouse and keyboard.

Continued on next page

CIEFFE SMDS overview, Continued

CIEFFE SMDS front panel overview

For detailed information about the connectors and buttons on the SMDS front panel, please refer to the figure and table below.



Buttons and features

A brief description of each feature on the CIEFFE SMDS front panel is provided in the table below.

Button/feature	Function
Power button	Allows you to turn on the CIEFFE SMDS.
Optical disk drive	Allows you to place an optical disk (CD or DVD) into the opening.

Virtual keyboard

You may double click the mouse in any **text** box when configuring CIEFFE SMDS to access the virtual keyboard.



Utilise your mouse to type on the virtual keyboard.

Note:

! Always click **Enter** in order to APPLY the expression which has been typed in. When you click **Enter**, the virtual keyboard disappears.

Installing CIEFFE SMDS

Overview

The installation procedure is simple and requires minimal time to execute.

Note:

Ensure you have the following components:

- CIEFFE SMDS unit,
- power supply and cables,
- display device(s) and cables (analogue or digital monitor, TV or projector)
- USB mouse and USB keyboard and
- patched network cables (e.g. CAT 5e cable).

Procedure

To install the CIEFFE SMDS, follow the steps below.

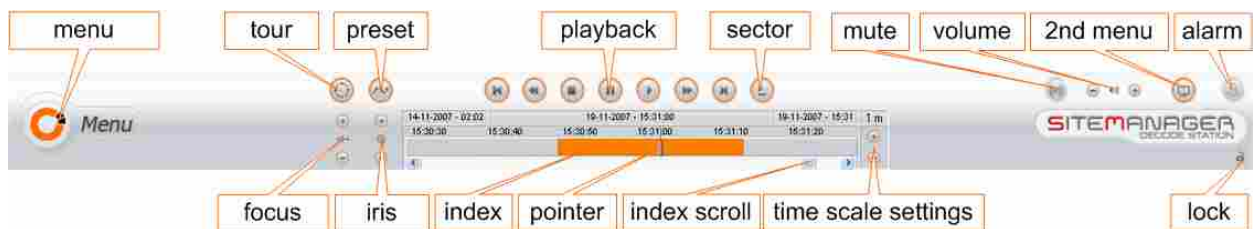
Step	Action
1	! Ensure that the power outlet which will be used to power the CIEFFE SMDS is switched off.
2	Connect the power supply to the CIEFFE SMDS power connector and the power outlet.
3	Connect the network cable to the CIEFFE SMDS Ethernet port and the Ethernet outlet.
4	Connect the USB mouse and USB keyboard to the CIEFFE SMDS USB port(s). Note: ! You must connect a mouse to CIEFFE SMDS. You can choose not to connect a keyboard and use the virtual keyboard built into CIEFFE SMDS. Please refer to Virtual keyboard for more information.
5	Connect the display device(s) as required by using the DVI and/or S-Video & YPBPR ports. Note: You can connect one or two of the following display devices: analogue monitors, digital monitors, TVs or projectors. Which connector port and adaptor device you use will be determined by the device(s) you choose to install.
6	Connect speakers to Line out If you wish to be able to listen to live or played back audio.
7	Power up the display devices before powering up CIEFFE SMDS.
8	Switch on the power outlet. Now press the Power button on the CIEFFE SMDS front panel. Result: CIEFFE SMDS will be switched on.
9	Wait for a few moments until the boot up is complete and the 'login' screen is displayed (a white screen with Cieffe and SMDS logos).

CIEFFE SMDS toolbar

Overview

CIEFFE SMDS toolbar is displayed on CIEFFE SDMS display devices. Features available on the toolbar will vary depending on the number of display devices installed and resources currently displayed/selected (as indicated in the table below).

The toolbar is by default configured to be visible when a user is active (i.e. using mouse and/or keyboard) and disappear when the user is idle (i.e. not using mouse and/or keyboard). If you wish for the toolbar to be displayed irrespective of user activity, the toolbar can be locked.



Buttons and features

A brief description of each feature on the CIEFFE SMDS toolbar is provided in the table below.

Note:

* - only shown on the toolbar of the primary display device.

^ - only shown on the toolbar when a camera dome is displayed on a CIEFFE SMDS display device or when a camera dome is selected as the master in a view displayed on a CIEFFE SMDS display device.

~ - only shown on the toolbar of the primary display device when CIEFFE SMDS is connected.

Button/feature	Function
Menu*	Allows you to access the primary display device's menu.
Tour^	Allows you to display the 'tour' menu and select a tour for the currently selected/displayed camera dome.
Preset^	Allows you to display the 'preset' menu and select a preset for the currently selected/displayed camera dome.
Focus^	Allows you to adjust the focus of the currently selected/displayed camera dome.
Iris^	Allows you to adjust the levels of the currently selected/displayed camera dome.
Playback~	Provides standard video controls, allowing you to play back recorded video clips.
Sector~	Allows you to choose to playback video footage from one of the three sectors - Prime, Time lapse and Alarm.
Mute*	A toggle button which allows you to mute/unmute the audio stream.
Volume*	Allows you to adjust the audio volume.
Index~	The orange section(s) indicate recorded video footage.

Continued on next page

CIEFFE SMDS toolbar, Continued

Buttons and features (continued)

Note:

~ - only shown on the toolbar of the primary display device when CIEFFE SMDS is connected.

+ - only shown on the toolbar of a primary display device if CIEFFE SMDS is configured with primary and secondary display devices.

Button/feature	Function
Pointer~	Allows you to select an image from the index. Note: The date and time shown in the middle of the date and time section indicate the date and time of the video footage as currently selected by the pointer.
Index scroll~	Allows you to scroll through the index.
Time scale settings~	<ul style="list-style-type: none"> ➤ The date and time in the upper left hand corner indicate the beginning of the available recorded video footage. ➤ The date and time in the upper right hand corner indicate the end of the available recorded video footage. ➤ The date and time in the middle indicate the date and time of the video footage as currently selected by the pointer. <p>The Plus and Minus buttons allow you to adjust the increments on the Time scale.</p>
Alarm*	Flashes when an alarm is triggered and allows you to acknowledge any incoming alarms.
Lock	A toggle button which allows you to lock/unlock the toolbar so that it remains/disappears from view when the user is idle.
2nd menu+	Allows you to access the secondary display device's menu.

Locking and unlocking the toolbar

By default, the CIEFFE SMDS toolbar appears when the user is active on the CIEFFE SMDS unit and disappear when the user is idle.

If you wish for the toolbar to be displayed at all times, regardless of user activity, ensure that you click the **Lock** icon, resulting in the padlock icon being locked.

If you wish for the toolbar automatically appear/disappear based on user activity, ensure that you click the **Lock** icon, resulting in the padlock icon being unlocked.

Chapter 3: CIEFFE SMDS – Start up configuration

Overview

This chapter provides information about how to configure basic CIEFFE SMDS settings when the device is powered up and in particular, how to:

- set the login user name and password,
- set CIEFFE SMDS date and time,
- configure network settings,
- display settings and
- configure console keyboard settings.

Note:

- ! You only need to configure the console keyboard settings if you have connected a CIEFFE CCTV keyboard to the CIEFFE SMDS.
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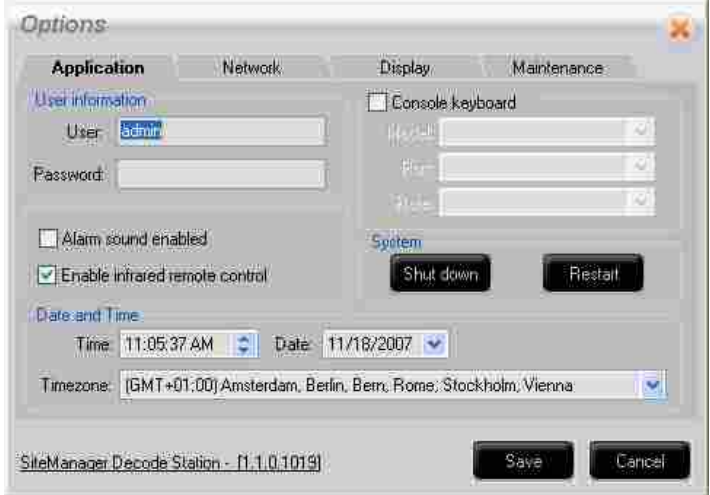
Configuring login user name and password

Overview

- ! CIEFFE SMDS has a single user account which is used to access the setup/configurative section of the device. CIEFFE SMDS default user name is “admin” and there is no password. CIEFFE suggests that you should change the user name and password immediately upon accessing CIEFFE SMDS for the first time.

Procedure

To configure login user name and password, follow the steps below.

Step	Action
1	<p>Click on Menu and then Options.</p> <p>Result: The 'login' window will be displayed.</p>  <p>Note: If the toolbar is not displayed, double click anywhere on the CIEFFE SMDS screen.</p>
2	<p>Enter the user name and password and click Ok.</p> <p>Result: The 'options – application' window will be displayed.</p> 

Continued on next page

Configuring login user name and password, Continued

Procedure (continued)

Step	Action
3	<p>Type in the preferred user name and password. Click Save.</p> <p>Result: Wait for a few moments until the user and password settings are applied.</p> <p>Note: ! It may take a few moments for the settings to be applied so please wait until you are able to click Menu button on the toolbar and the menu is displayed, or, if resources are currently displayed, wait for the display to be refreshed.</p>

Configuring date and time

Overview

CIEFFE SMDS date and time are configured manually selecting the date and time. In addition, it is important to select the correct time zone so that all appropriate day light saving changes are applied automatically as required.


Note:

! Please note that the configured date and time is used for CIEFFE SMDS system's reference only and NOT for the resources displayed via CIEFFE SMDS.

➤ The following website is a useful link for checking date and time information <http://www.greenwichmeantime.com>.

Procedure

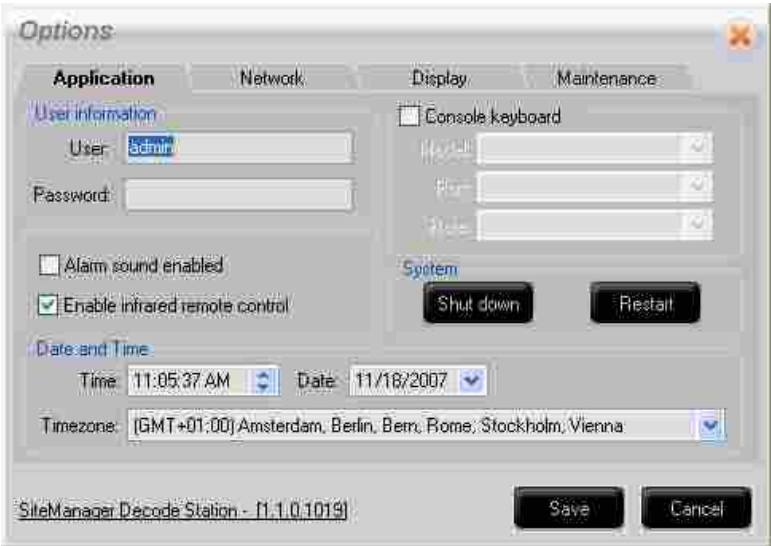
To configure date and time, follow the steps below.

Step	Action
1	<p>Click on Menu and then Options.</p> <p>Result: The 'login' window will be displayed.</p>  <p>Note: If the toolbar is not displayed, double click anywhere on the CIEFFE SMDS screen.</p>

Continued on next page

Configuring date and time, Continued

Procedure (continued)

Step	Action
2	<p>Enter the user name and password and click Ok.</p> <p>Result: The 'options – application' window will be displayed.</p> 
3	<p>Using the Time scroll bar and Date dropdown bar, specified the time and date respectively.</p>
4	<p>From the Time zone dropdown bar, select the appropriate time zone. Click Save.</p> <p>Result: Wait for a few moments until the date and time settings are applied.</p> <p>Note: ! It may take a few moments for the settings to be applied so please wait until you are able to click Menu button on the toolbar and the menu is displayed, or, if resources are currently displayed, wait for the display to be refreshed.</p>

Configuring network settings

Overview


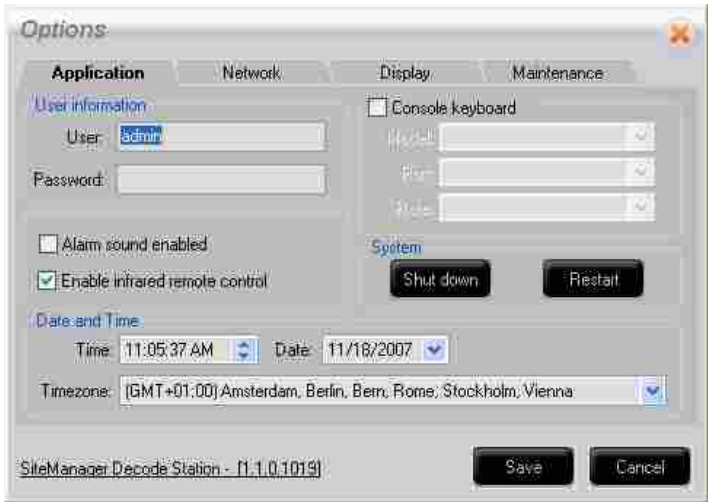
CIEFFE SMDS network settings must be fully configured before any resources can be sent to the device via CIEFFE SiteManager.

Note:

! You may require the assistance of your network administrator in order to complete the procedure below.

Procedure

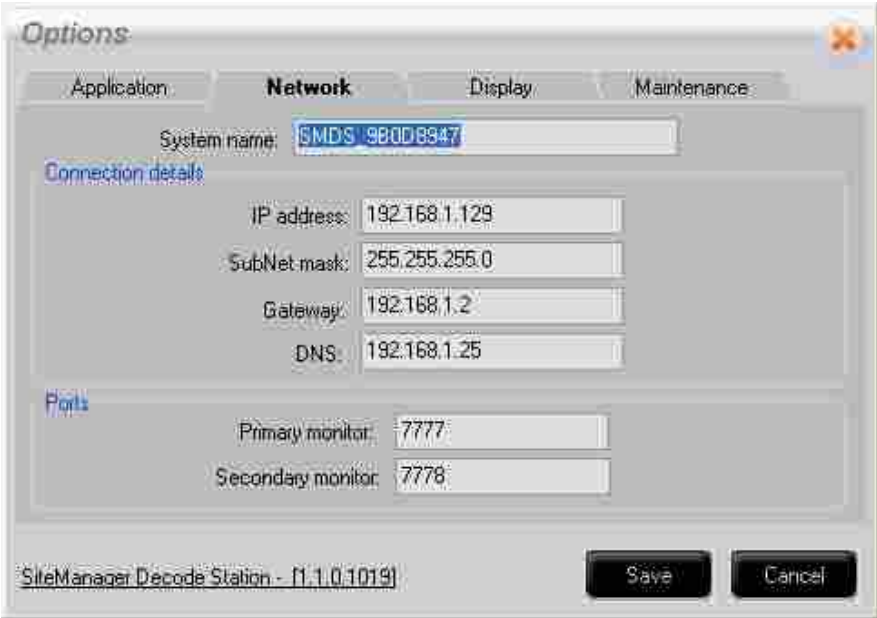
To configure network settings, follow the steps below.

Step	Action
<p>1</p>	<p>Click on Menu and then Options.</p> <p>Result: The 'login' window will be displayed.</p>  <p>Note: If the toolbar is not displayed, double click anywhere on the CIEFFE SMDS screen.</p>
<p>2</p>	<p>Enter the user name and password and click Ok.</p> <p>Result: The 'options – application' window will be displayed.</p> 

Continued on next page

Configuring network settings, Continued

Procedure (continued)

Step	Action
3	<p>Click the Network tab.</p> <p>Result: The 'options – network' window will be displayed.</p> 
4	Type in the preferred system name in the System name text box.
5	Type in the Connection detail settings as required.
6	Type in the Ports settings as required.
7	<p>Click Save.</p> <p>Result: Wait for a few moments until the network settings are applied.</p> <p>Note: ! It may take a few moments for the settings to be applied so please wait until you are able to click Menu button on the toolbar and the menu is displayed, or, if resources are currently displayed, wait for the display to be refreshed.</p>

Other information

If the network cable is unplugged, a large red and yellow icon will be displayed in the top right hand side of the CIEFFE SMDS monitor(s).

Configuring display settings

Overview

CIEFFE SMDS can have a single or two display devices connected. Each display device's resolution, relative position, on screen display details and font size should be configured in order to get the best results from CIEFFE SMDS.

If two display devices are connected to a single CIEFFE SMDS, the primary display device will be able to accept an individual resource or a group of resources from CIEFFE SiteManager as well as allowing the user to receive notifications and acknowledge triggered alarms.


In addition, the primary display device always shows the complete CIEFFE SMDS toolbar with all available features.

Note:

Please refer to [CIEFFE SMDS back panel overview](#) for additional information about the types of display devices that can be connected to CIEFFE SMDS.

Procedure

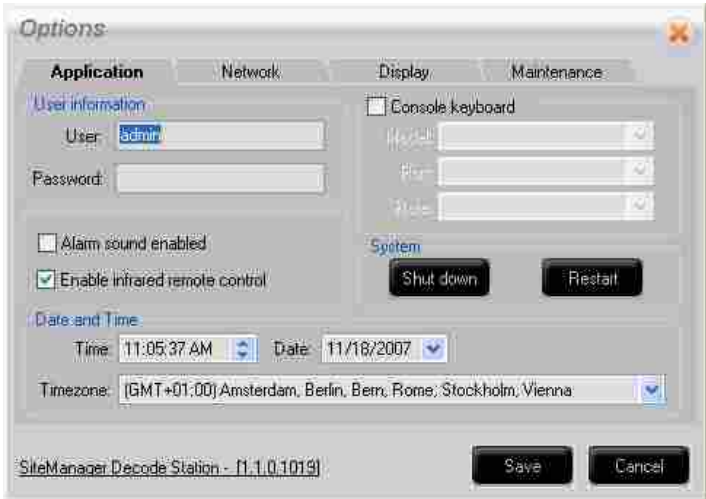

To configure display settings, follow the steps below.

Step	Action
1	<p>Click on Menu and then Options.</p> <p>Result: The 'login' window will be displayed.</p>  <p>Note: If the toolbar is not displayed, double click anywhere on the CIEFFE SMDS screen.</p>

Continued on next page

Configuring display settings, Continued

Procedure (continued)

Step	Action
2	<p>Enter the user name and password and click Ok.</p> <p>Result: The 'options – application' window will be displayed.</p> 
3	<p>Click the Display tab.</p> <p>Result: The 'options –display' window will be displayed.</p> 

Continued on next page

Configuring display settings, Continued

Procedure (continued)

Step	Action						
4	Using the Primary monitor slide , select the display device's native resolution. Note: ! If you do not select the correct resolution, the CIEFFE SMDS toolbar and/or images may appear skewed or misaligned.						
5	Using the Video font size selections, specify the preferred font size for on screen text. Note: Auto – font size is selected automatically based on the current resolution and display.						
6	Using the On screen image details selections, specify whether you wish to display average bandwidth or instant file size.						
7	<table border="1"> <thead> <tr> <th>If CIEFFE SMDS has...</th> <th>then...</th> </tr> </thead> <tbody> <tr> <td>a single display device connected</td> <td>go to step 11.</td> </tr> <tr> <td>two display devices connected</td> <td>tick the Secondary monitor box and continue to step 8.</td> </tr> </tbody> </table>	If CIEFFE SMDS has...	then...	a single display device connected	go to step 11.	two display devices connected	tick the Secondary monitor box and continue to step 8.
If CIEFFE SMDS has...	then...						
a single display device connected	go to step 11.						
two display devices connected	tick the Secondary monitor box and continue to step 8.						
8	Using the Secondary monitor slide , select the display device's native resolution. Note: ! If you do not select the correct resolution, the CIEFFE SMDS toolbar and/or images may appear skewed or misaligned.						
9	Using the Position selections, specify whether the secondary display device is physically positioned on the left or right hand side of the primary monitor. Note: The position of the Primary display device is automatically adjusted to match the Secondary display device selection.						
10	If you wish the Secondary display device to be utilised as the Primary display device, tick Main .						

Continued on next page

Configuring display settings, Continued

Procedure (continued)

Step	Action
11	<p>Click Save.</p> <p>Result: Wait for a few moments until the display settings are applied.</p> <p>Note: ! It may take a few moments for the settings to be applied so please wait until you are able to click Menu button on the toolbar and the menu is displayed, or, if resources are currently displayed, wait for the display to be refreshed.</p>
12	<p>If the CIEFFE SMDS has two display devices connected, repeat steps 1 – 3 and then using the Double-click behaviour options, specify select which device a resource should be displayed when a user double clicks on it (e.g. if a view or map is displayed, and a user double clicks on a camera, which monitor should the selected camera be displayed on).</p>
13	<p>Click Save.</p> <p>Result: Wait for a few moments until the display settings are applied.</p> <p>Note: ! It may take a few moments for the settings to be applied so please wait until you are able to click Menu button on the toolbar and the menu is displayed, or, if resources are currently displayed, wait for the display to be refreshed.</p>

Advanced video settings

If you wish to adjust advanced display settings you will need to access CIEFFE SMDS Maintenance and obtain an authorisation key from a CIEFFE technician. Please refer to [Chapter 8: CIEFFE SMDS – Maintenance](#) for additional information.

Configuring console keyboard settings

Overview


If you have installed a CIEFFE console keyboard on a CIEFFE SMDS, you need to configure the console keyboard settings before you can use the keyboard. In order to install a CIEFFE console keyboard on a CIEFFE SMDS you will need to use a serial/USB converter and connect the keyboard to one of the CIEFFE SMDS USB ports.

Note:

Please refer to 'CIEFFE Keyboard v2 & CIEFFE SiteManager Quick Reference Guide' for detailed information about how to use the console keyboard.

Procedure

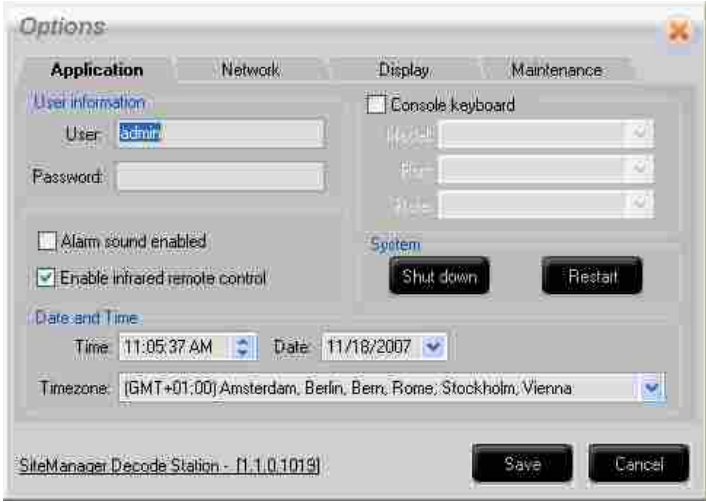
To configure console keyboard settings, follow the steps below.

Step	Action
1	<p>Click on Menu and then Options.</p> <p>Result: The 'login' window will be displayed.</p>  <p>Note: If the toolbar is not displayed, double click anywhere on the CIEFFE SMDS screen.</p>

Continued on next page

Configuring display settings, Continued

Procedure (continued)

Step	Action
2	<p>Enter the user name and password and click Ok.</p> <p>Result: The 'options – application' window will be displayed.</p> 
3	<p>Tick the Console keyboard box.</p> <p>Result: The console keyboard section will be enabled.</p>
4	<p>From the Model dropdown bar select the CIEFFE keyboard model as required.</p>
5	<p>From the Port dropdown bar select the appropriate port.</p>
6	<p>From the Rate dropdown bar select 9600 bps.</p>
7	<p>Click Save.</p> <p>Result: Wait for a few moments until the console keyboard settings are applied.</p> <p>Note: ! It may take a few moments for the settings to be applied so please wait until you are able to click Menu button on the toolbar and the menu is displayed, or, if resources are currently displayed, wait for the display to be refreshed.</p>
8	<p>The console keyboard will be ready for use. Please refer to 'CIEFFE Keyboard v2 & CIEFFE SiteManager Quick Reference Guide' for detailed information about how to use the console keyboard.</p>

Chapter 4: Configuring CIEFFE SMDS in CIEFFE SiteManager

Overview

This chapter provides information about how to configure CIEFFE SiteManager so that CIEFFE SMDS can operate in decode or operator mode.

For CIEFFE SMDS to function purely in decode mode, you only need to add the CIEFFE SDMS as a network monitor in CIEFFE SiteManager.

For CIEFFE SMDS to function in operator mode, first you need to add the CIEFFE SDMS as a network monitor in CIEFFE SiteManager and then configure the group of resources which you wish CIEFFE SMDS to have access to.

Note:

! All settings must be configured before CIEFFE SMDS can be fully functional.

Topic	Page
Overview	32
Adding CIEFFE SMDS in CIEFFE SiteManager	33
Creating a group of resources for CIEFFE SMDS	37
Populating CIEFFE SMDS with CIEFFE SiteManager resources	43
Assigning group resource IDs	46

Adding CIEFFE SMDS in CIEFFE SiteManager

Overview

In order to utilise CIEFFE SMDS, the unit(s) must first be added to the CIEFFE SiteManager configuration as network monitor(s).

If a CIEFFE SMDS unit is installed with 2 display devices, you can add both monitors to CIEFFE SiteManager and select which one is the primary monitor and which is the secondary monitor.

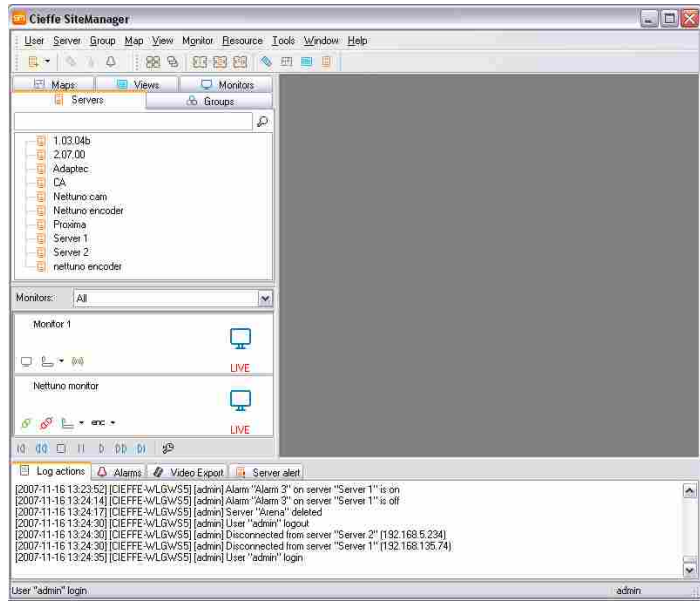
Primary monitors accept groups as a resource from CIEFFE SiteManager, a combination of cameras, maps, panoramas, views, alarms and auxiliaries. The user can then work with any of the resources included in the group locally on the CIEFFE SMDS unit including changing the states of alarms and auxiliaries. Secondary monitors do not accept groups, only allowing a single camera, map, view or panorama to be displayed.

Note:

- ! You must ensure that the CIEFFE SiteManager client and the CIEFFE SMDS unit(s) are connected to the same network.
- The number of CIEFFE SMDS monitors that can be added in CIEFFE SiteManager is determined by the number of CIEFFE SMDS unit(s) present in the CIEFFE network.

Procedure

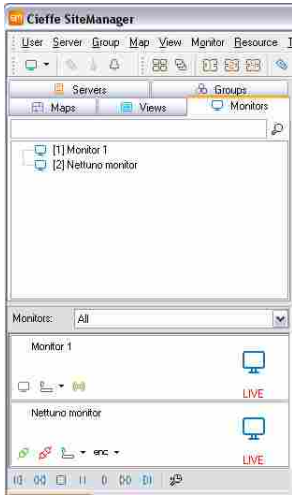

To add CIEFFE SMDS in CIEFFE SiteManager, follow the steps below.

Step	Action
1	<p>Open the CIEFFE SiteManager application on the remote client and login.</p>  <p>Note: For detailed information about logging in, please refer to 'CIEFFE SiteManager User Guide'.</p>

Continued on next page

Adding CIEFFE SMDS in CIEFFE SiteManager, Continued

Procedure (continued)

Step	Action
2	<p>Click the Monitors tab.</p> <p>Result: All the currently available monitors will be displayed in the 'hierarchy' window.</p> 
3	<p>Access the monitor menu by:</p> <ul style="list-style-type: none"> ➤ right clicking on the 'hierarchy' window or ➤ clicking Monitor in the dropdown toolbar. <p>Select New monitor.</p> <p>Result: The 'network monitor' window will be displayed.</p> 
4	<p>Select the preferred I.D. by utilising the Unique I.D. scroll bar.</p> <p>Note: The selected I.D. will allow you to display resources on CIEFFE SMDS via the CIEFFE keyboard. Please refer to '<i>CIEFFE Keyboard v2 & CIEFFE SiteManager Quick Reference Guide</i>' for additional information.</p>

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Adding CIEFFE SMDS in CIEFFE SiteManager, Continued

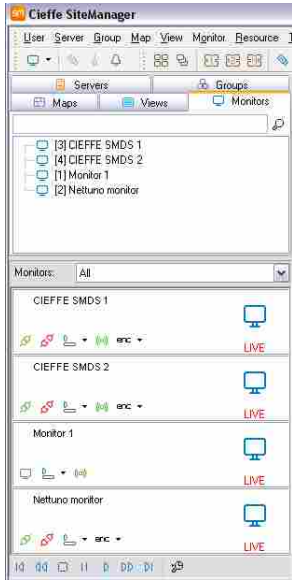
Procedure (continued)

Step	Action						
5	Enter the preferred network monitor name in the Name text box.						
6	Enter the IP address of the CIEFFE SMDS in the Address text box.						
7	Select Decode Station from the Type dropdown bar. Result: The rest of the 'network monitor' window will be enabled.						
8	<table border="1"> <thead> <tr> <th>If CIEFFE SMDS has...</th> <th>then...</th> </tr> </thead> <tbody> <tr> <td>a single display device connected</td> <td>select Primary monitor and click Ok. Result: The monitor will added. Go to step 10.</td> </tr> <tr> <td>two display devices connected</td> <td>Select whether the monitor you have added is a Primary monitor or a Secondary monitor. Click Ok. Result: The monitor will added. Continue to step 9.</td> </tr> </tbody> </table> <p>Note: Primary monitors accept groups as a resource from CIEFFE SiteManager, a combination of cameras, maps, panoramas and views and allow the user to work with alarms and auxiliaries. Secondary monitors do not accept groups, only allowing a single camera, map, view or panorama to be displayed.</p>	If CIEFFE SMDS has...	then...	a single display device connected	select Primary monitor and click Ok . Result: The monitor will added. Go to step 10.	two display devices connected	Select whether the monitor you have added is a Primary monitor or a Secondary monitor . Click Ok . Result: The monitor will added. Continue to step 9.
If CIEFFE SMDS has...	then...						
a single display device connected	select Primary monitor and click Ok . Result: The monitor will added. Go to step 10.						
two display devices connected	Select whether the monitor you have added is a Primary monitor or a Secondary monitor . Click Ok . Result: The monitor will added. Continue to step 9.						
9	Repeat steps 3 – 8 to add the second display device connected to the CIEFFE SMDS. Note: ! Make sure that 2 display devices connected to a single CIEFFE SMDS are configured correctly. One display device must be a Primary monitor and the other display device must be a Secondary monitor.						

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Adding CIEFFE SMDS in CIEFFE SiteManager, Continued

Procedure (continued)

Step	Action
10	<p>The CIEFFE SMDS monitor(s) will be displayed in the Monitor hierarchy.</p> 
11	Repeat steps 3 – 10 for each CIEFFE SMDS unit.

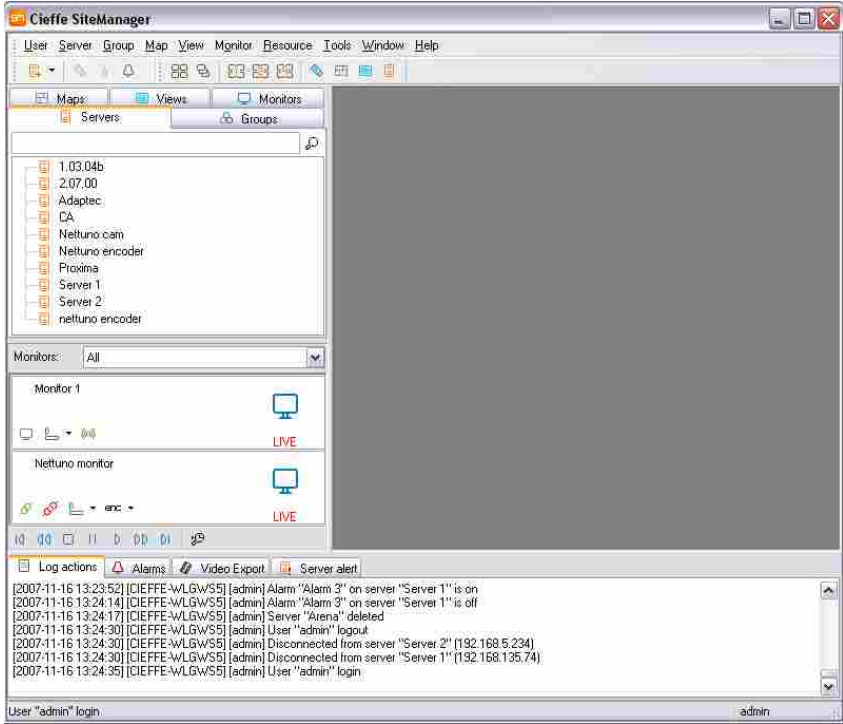
Creating a group of resources for CIEFFE SMDS

Overview

Primary display devices connected to a CIEFFE SMDS unit can function in the operator mode. The operator mode allows the CIEFFE SMDS unit to accept a group or resources from CIEFFE SiteManager, a combination of cameras, maps, panoramas, views alarms and auxiliaries. The user can then work with any of the resources included in the group locally on the CIEFFE SMDS unit including receiving and acknowledging notifications of triggered alarms as well as changing the states of alarms and auxiliaries.

Procedure

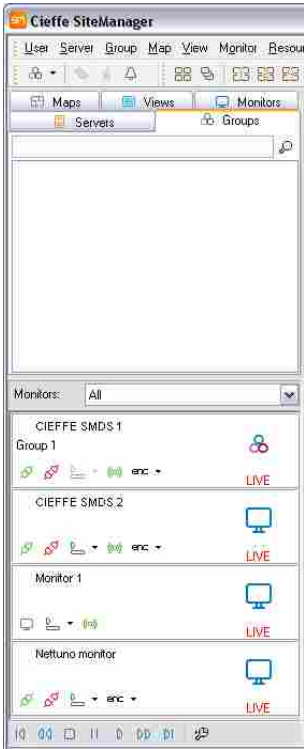

To create a group of resources using the 'resource' window in CIEFFE SiteManager before sending them to a CIEFFE SMDS unit, follow the steps below.

Step	Action
1	<p>Open the CIEFFE SiteManager application on the remote client and login.</p>  <p>Note: For detailed information about logging in, please refer to 'CIEFFE SiteManager User Guide'.</p>

Continued on next page

Creating a group of resources for CIEFFE SMDS, Continued


Procedure (continued)

Step	Action
2	<p>Click the Groups tab.</p> <p>Result: All the currently available groups will be displayed in the 'hierarchy' window.</p> 
3	<p>Access the group menu by:</p> <ul style="list-style-type: none">➤ right clicking on the 'hierarchy' window or➤ clicking Group in the dropdown toolbar. <p>Select New group.</p> <p>Result: The 'group' window will be displayed.</p> 

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Creating a group of resources for CIEFFE SMDS, Continued

Procedure (continued)

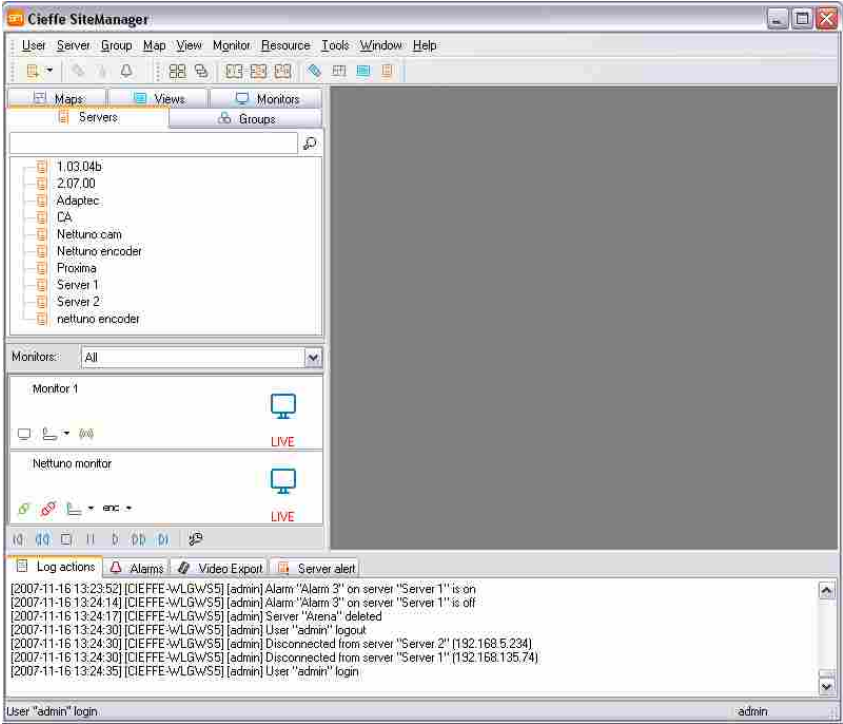
Step	Action
4	Type in the group name. Click Ok . Result: The new group will be displayed in the 'hierarchy' window.
5	Access the group menu by: ➤ right clicking on the 'hierarchy' window or ➤ clicking Group in the dropdown toolbar. Select Add resource . Result: The 'resource' window will be displayed. 
6	Select the: ➤ resource category – camera, aux, alarm, map, view, panorama, ➤ server (for cameras, auxes and alarms only) and ➤ name of the resource to be added to the group.
7	Click Ok . Result: The resource has now been added to the group and will be displayed in the 'hierarchy' window.
8	Repeat steps 3 to 7 until you have added all the resources you wish to be part of the group.
9	Repeat steps 3 to 8 for each one of the groups you wish to create.

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Creating a group of resources for CIEFFE SMDS, Continued

Procedure

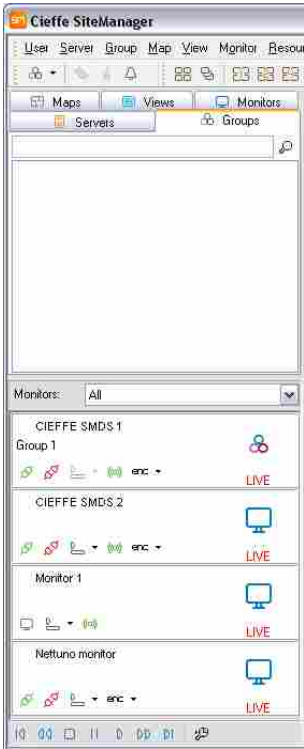

To create a group of resources by clicking and dragging in CIEFFE SiteManager before sending them to a CIEFFE SMDS unit, follow the steps below.

Step	Action
1	<p>Open the CIEFFE SiteManager application on the remote client and login.</p>  <p>Note: For detailed information about logging in, please refer to 'CIEFFE SiteManager User Guide'.</p>

Continued on next page

Creating a group of resources for CIEFFE SMDS, Continued



Procedure (continued)

Step	Action
2	<p>Click the Groups tab.</p> <p>Result: All the currently available groups will be displayed in the 'hierarchy' window.</p> 
3	<p>Access the group menu by:</p> <ul style="list-style-type: none">➤ right clicking on the 'hierarchy' window or➤ clicking Group in the dropdown toolbar. <p>Select New group.</p> <p>Result: The 'group' window will be displayed.</p> 

Continued on next page

Creating a group of resources for CIEFFE SMDS, Continued

Procedure (continued)

Step	Action
4	<p>Type in the group name. Click Ok.</p> <p>Result: The new group will be displayed in the 'hierarchy' window.</p>
5	<p>Access the group menu by:</p> <ul style="list-style-type: none"> ➤ right clicking on the 'hierarchy' window or ➤ clicking Group in the dropdown toolbar. <p>Select Edit group.</p> <p>Result: The 'edit group' window will be displayed.</p> 
6	<p>Using the 'hierarchy' window tabs, locate the resources you wish to add to the group. Click on the required resource icon and drop it in the 'edit group' window.</p> <p>Result: The resource will be added to the group.</p> 
7	<p>Repeat step 6 until the group is populated as required.</p>
8	<p>Repeat steps 2 – 7 for each one of the groups you wish to create.</p>

Populating CIEFFE SMDS with CIEFFE SiteManager resources

Overview

In order to utilise CIEFFE SMDS, resources from CIEFFE SiteManager must first be sent to the unit. The following CIEFFE SiteManager resources can be sent to CIEFFE SMDS – groups, cameras, panoramas, views and maps. Note that only CIEFFE SMDS primary display devices accept groups.

A CIEFFE SMDS user cannot utilise resources which have not been sent from CIEFFE SiteManager.

Note:

For detailed information about how to configure individual resources - cameras, maps, panoramas and views before sending them to a CIEFFE SMDS, please refer to 'CIEFFE SiteManager User Guide'.

Procedure

To populate CIEFFE SMDS with CIEFFE SiteManager resources via resource menus, follow the steps below.

Step	Action
1	On the CIEFFE SiteManager's 'main' screen locate the resource which you wish to send to CIEFFE SMDS by clicking on the required tab – Server, Groups, Maps or Views .
2	<p>Right click on the required resource icon in the 'hierarchy' window and select Send to monitor.</p> <p>Result: The 'send to monitor' menu will be displayed, listing all the currently available monitors which can accept the currently selected resource.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p>CIEFFE SMDS 1 CIEFFE SMDS 2 Monitor 1</p> </div> <p>Note: ! If you have selected and right clicked on a Group icon, only CIEFFE SMDS Primary monitor(s) will be listed in the 'send to monitor' menu.</p>
3	<p>Select the device where you wish to send the currently selected resource.</p> <p>Result: The resource will be sent to the selected device.</p> <p>Note: If the device remains disconnected and does not display the sent resource, connect the device by right clicking on its icon in the monitor 'hierarchy' window and selecting Connect.</p>

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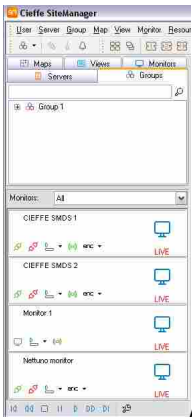
Populating CIEFFE SMDS with CIEFFE SiteManager resources, Continued

Procedure (continued)

Step	Action
4	To work with the resource, please refer to : <ul style="list-style-type: none"> ➤ Chapter 5: CIEFFE SMDS operation – Decoder and operator modes, ➤ Chapter 6: CIEFFE SMDS operation – and ➤ Chapter 7: CIEFFE SMDS operation – Using the remote control.

Procedure

To populate CIEFFE SMDS with CIEFFE SiteManager resources via monitor panels, follow the steps below.

Step	Action
1	<p>On the CIEFFE SiteManager's 'main' screen locate the resource which you wish to send to CIEFFE SMDS by clicking on the required tab – Server, Groups, Maps or Views.</p> 
2	<p>Click on the required resource icon from the 'hierarchy' window and drag and drop it into the required panel.</p> <p>Result: The resource will be sent to the selected device.</p> <p>Note:</p> <ul style="list-style-type: none"> ! If you have selected and clicked on a Group icon, only CIEFFE SMDS Primary monitor(s) will be able to accept it. ! If the device remains disconnected and does not display the sent resource, connect the device by right clicking on the Green connect button in the device's panel.

Continued on next page

Populating CIEFFE SMDS with CIEFFE SiteManager resources, Continued

Procedure (continued)

Step	Action
3	To work with the resource, please refer to : <ul style="list-style-type: none">➤ Chapter 5: CIEFFE SMDS operation – Decoder and operator modes,➤ Chapter 6: CIEFFE SMDS operation – and➤ Chapter 7: CIEFFE SMDS operation – Using the remote control.

Assigning group resource IDs

Overview

Each resource within a group can be assigned a unique I.D. which is then used to work with the resource via the CIEFFE SMDS remote control or when a CIEFFE CCTV keyboard is connected directly to a CIEFFE SMDS unit.

Each resource within a group must have a unique ID regardless of what type of resource it is.

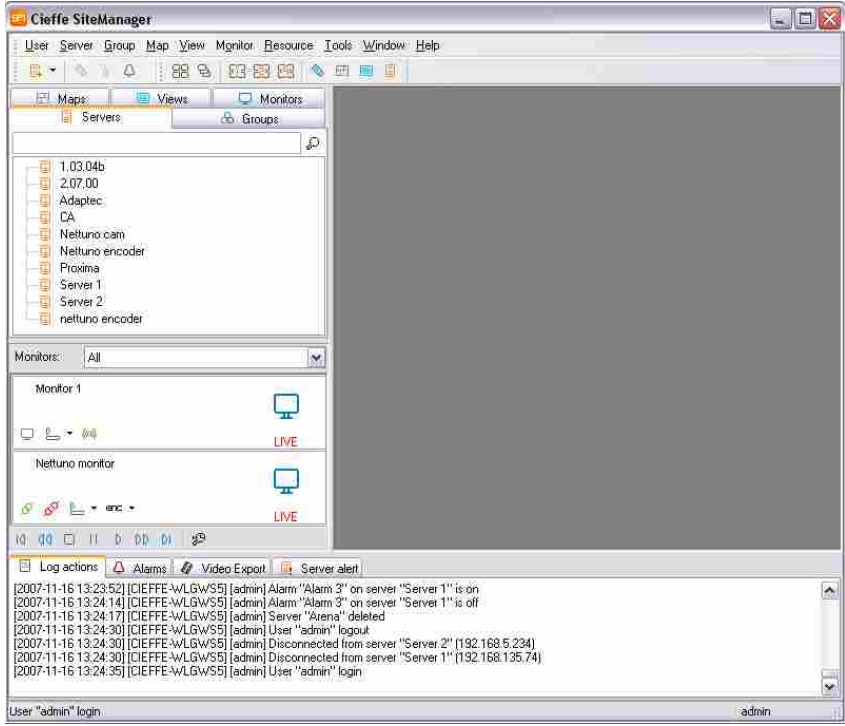
Note:

! IDs assigned to resources within a group are independent of the resource IDs assigned in any other section within a CIEFFE SiteManager configuration.

Alarms and auxes cannot be assigned resource IDs when they are part of a group.

Procedure

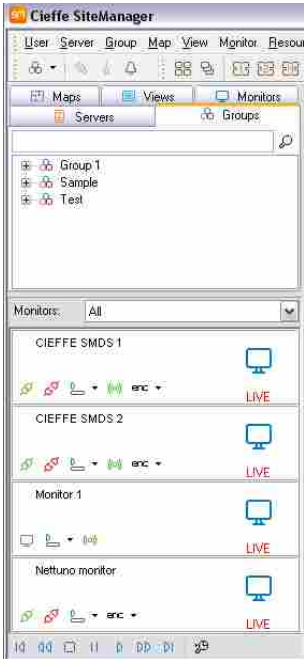
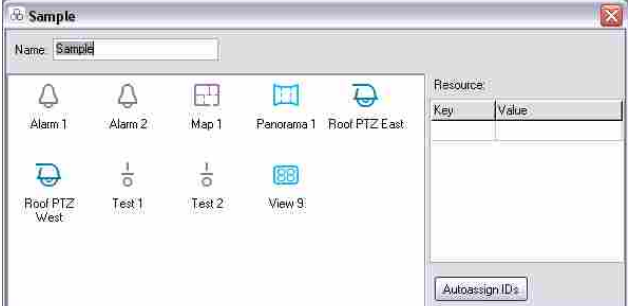
To assign IDs to resources included in a group, follow the steps below.

Step	Action
1	<p>Open the CIEFFE SiteManager application on the remote client and login.</p>  <p>Note: For detailed information about logging in, please refer to 'CIEFFE SiteManager User Guide'.</p>

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Assigning group resource IDs, Continued

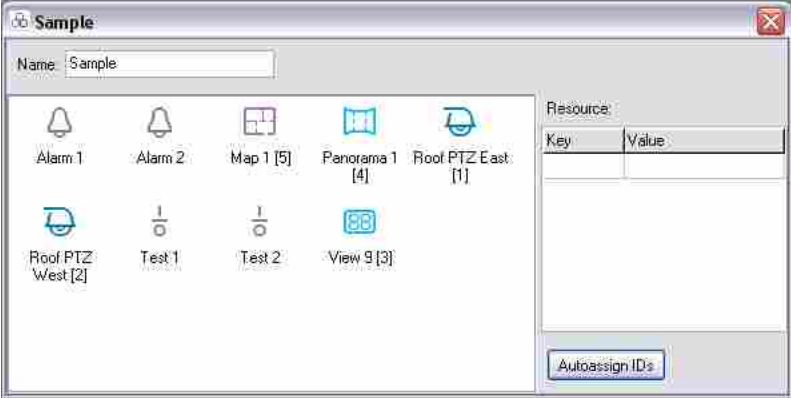
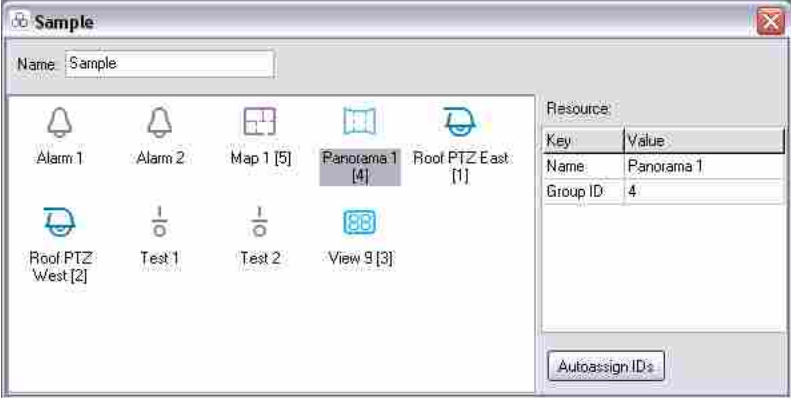
Procedure (continued)

Step	Action
<p data-bbox="467 488 491 517">2</p>	<p data-bbox="547 488 831 517">Click the Groups tab.</p> <p data-bbox="547 555 1422 651">Result: All the currently available groups will be displayed in the 'hierarchy' window.</p> 
<p data-bbox="467 1339 491 1368">3</p>	<p data-bbox="547 1339 1129 1435">Access the group menu by:</p> <ul style="list-style-type: none"> <li data-bbox="547 1373 1129 1402">➤ right clicking on the 'hierarchy' window or <li data-bbox="547 1406 1110 1435">➤ clicking Group in the dropdown toolbar. <p data-bbox="547 1473 794 1503">Select Edit group.</p> <p data-bbox="547 1541 1086 1608">Result: The 'edit group' window will be displayed.</p> 

Continued on next page

Assigning group resource IDs, Continued

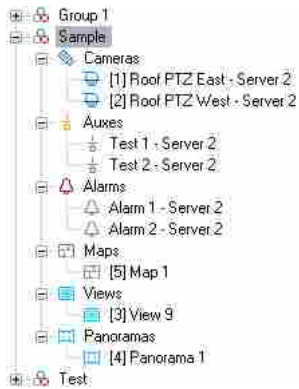
Procedure (continued)

Step	Action						
4	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">If you wish...</th> <th>then...</th> </tr> </thead> <tbody> <tr> <td>CIEFFE SiteManager to automatically assign the resource IDs</td> <td>continue to step 5</td> </tr> <tr> <td>to manually assign the resource IDs</td> <td>go to step 6.</td> </tr> </tbody> </table>	If you wish...	then...	CIEFFE SiteManager to automatically assign the resource IDs	continue to step 5	to manually assign the resource IDs	go to step 6.
If you wish...	then...						
CIEFFE SiteManager to automatically assign the resource IDs	continue to step 5						
to manually assign the resource IDs	go to step 6.						
5	<p>Click Autoassign IDs.</p> <p>Result: CIEFFE SiteManager will automatically assign each resource with a unique ID in sequence with the following category order: cameras, views, panoramas and maps. The number in the square brackets represents the resource ID.</p>  <p>The screenshot shows a window titled 'Sample' with a text field containing 'Sample'. Below the text field is a grid of resource icons: Alarm 1, Alarm 2, Map 1 [5], Panorama 1 [4], Roof PTZ East [1], Roof PTZ West [2], Test 1, Test 2, and View 9 [3]. To the right of the grid is a 'Resource:' section with a table with two columns: 'Key' and 'Value'. At the bottom right of the window is an 'Autoassign IDs' button.</p>						
6	<p>Click on the resource icon which you wish to work with.</p> <p>Result: The resource will be selected and its details will be displayed in the resource section of the window.</p>  <p>The screenshot shows the same 'Sample' window as in step 5. The 'Panorama 1 [4]' icon is now highlighted with a grey background. The 'Resource:' section on the right now contains the following details: Name: Panorama 1, Group ID: 4.</p>						

Continued on next page

Assigning group resource IDs, Continued

Procedure (continued)

Step	Action
7	<p>Type in the preferred resource ID in the Group ID section, press Enter and click on the next resource you wish to work with.</p> <p>Result: The resource will be assigned the specified resource ID.</p>
8	<p>Repeat step 7 until all the resources are assigned an ID.</p>
9	<p>When you have finished, click the red cross in the top right hand side of the window.</p> <p>Result: The 'edit group' window will disappear.</p> <p>Note: When you access the resources in the group hierarchy, the resource IDs will precede the resource name in square brackets.</p> 

Other information

In CIEFFE SMDS menus, numbers displayed in square brackets after the resource name represent the resource's ID numbers.

Chapter 5: CIEFFE SMDS operation – Decoder and operator modes

Overview

This chapter provides information about how to work with CIEFFE SMDS in decode and operator modes.

Note:

- In operator mode, CIEFFE SMDS accepts only 1 group of resources at a time.
 - In decoder mode, CIEFFE SMDS cannot receive alarm notifications and the user cannot change alarm or auxiliary states.
 - Most of the procedures in this chapter can be performed on primary and secondary display devices.
-

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Working with the CIEFFE SMDS menus

Overview

The menu options available to the user on a CIEFFE SMDS unit will vary depending on the working mode, user resource rights and whether the user is accessing the primary or secondary display device.

Procedure

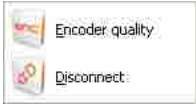

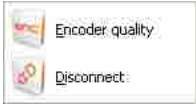

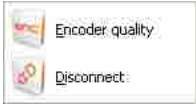

To work with the primary display device's menu, follow the steps below.

Step	Action								
<p>1</p> <p>Click on Menu.</p> <p>Result:</p> <table border="1" data-bbox="568 725 1406 1854"> <thead> <tr> <th data-bbox="568 725 970 763">If...</th> <th data-bbox="970 725 1406 763">then the menu may appear...</th> </tr> </thead> <tbody> <tr> <td data-bbox="568 763 970 1126"> <p>all resource categories are greyed out, it means that the CIEFFE SMDS is in decoder mode (i.e. a group has not been sent to it from CIEFFE SiteManager)</p> </td> <td data-bbox="970 763 1406 1126">  </td> </tr> <tr> <td data-bbox="568 1126 970 1489"> <p>all resource categories are available, it means that the CIEFFE SMDS is in operator mode and the group of resources sent to the CIEFFE SMDS unit from CIEFFE SiteManager contain one or more resources within each resource category</p> </td> <td data-bbox="970 1126 1406 1489">  </td> </tr> <tr> <td data-bbox="568 1489 970 1854"> <p>some resource categories are greyed out, it indicates that the group of resources sent to the CIEFFE SMDS unit from CIEFFE SiteManager does not contain any resources within the particular category</p> </td> <td data-bbox="970 1489 1406 1854">  </td> </tr> </tbody> </table> <p>Encoder quality, Control, Options and Shut down are always displayed.</p>	If...	then the menu may appear...	<p>all resource categories are greyed out, it means that the CIEFFE SMDS is in decoder mode (i.e. a group has not been sent to it from CIEFFE SiteManager)</p>		<p>all resource categories are available, it means that the CIEFFE SMDS is in operator mode and the group of resources sent to the CIEFFE SMDS unit from CIEFFE SiteManager contain one or more resources within each resource category</p>		<p>some resource categories are greyed out, it indicates that the group of resources sent to the CIEFFE SMDS unit from CIEFFE SiteManager does not contain any resources within the particular category</p>		
If...	then the menu may appear...								
<p>all resource categories are greyed out, it means that the CIEFFE SMDS is in decoder mode (i.e. a group has not been sent to it from CIEFFE SiteManager)</p>									
<p>all resource categories are available, it means that the CIEFFE SMDS is in operator mode and the group of resources sent to the CIEFFE SMDS unit from CIEFFE SiteManager contain one or more resources within each resource category</p>									
<p>some resource categories are greyed out, it indicates that the group of resources sent to the CIEFFE SMDS unit from CIEFFE SiteManager does not contain any resources within the particular category</p>									

Continued on next page

Working with the CIEFFE SMDS menus, Continued

Procedure To work with the secondary display device's menu, follow the steps below.

Step	Action						
1	<p>Click on 2nd menu.</p> <p>Result:</p> <table border="1" style="width: 100%;"> <thead> <tr> <th style="background-color: #cccccc;">If...</th> <th style="background-color: #cccccc;">then the menu may appear...</th> </tr> </thead> <tbody> <tr> <td>no resources are listed, it means that the CIEFFE SMDS is in decoder mode (i.e. a group has not been sent to it from CIEFFE SiteManager)</td> <td style="text-align: center;">  </td> </tr> <tr> <td>all resource categories are available, it means that the CIEFFE SMDS is in operator mode (i.e. a group has been sent to it from CIEFFE SiteManager and all the available resources within the group are listed)</td> <td style="text-align: center;">  </td> </tr> </tbody> </table> <p>Note:</p> <ul style="list-style-type: none"> ➤ Encoder quality and Disconnect are always displayed. ! Alarms and auxiliaries cannot be controlled from secondary devices. 	If...	then the menu may appear...	no resources are listed, it means that the CIEFFE SMDS is in decoder mode (i.e. a group has not been sent to it from CIEFFE SiteManager)		all resource categories are available, it means that the CIEFFE SMDS is in operator mode (i.e. a group has been sent to it from CIEFFE SiteManager and all the available resources within the group are listed)	
If...	then the menu may appear...						
no resources are listed, it means that the CIEFFE SMDS is in decoder mode (i.e. a group has not been sent to it from CIEFFE SiteManager)							
all resource categories are available, it means that the CIEFFE SMDS is in operator mode (i.e. a group has been sent to it from CIEFFE SiteManager and all the available resources within the group are listed)							

Other information

Numbers displayed in square brackets after the resource name represent the resource's ID numbers.



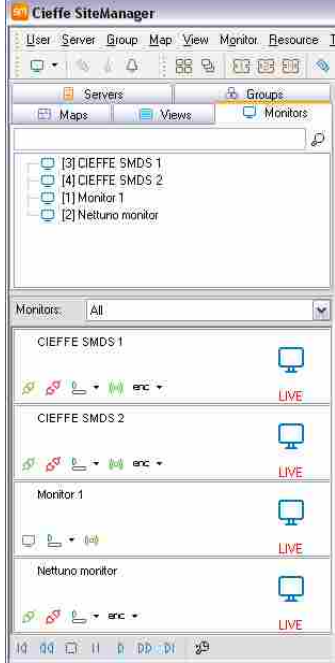


Connecting/disconnecting CIEFFE SMDS

Overview

In order for resources to be displayed on CIEFFE SMDS display devices, CIEFFE SMDS display devices must be connected to the servers. Note that primary and secondary display devices have independent connections.

Procedure

To connect or disconnect CIEFFE SMDS primary or secondary display devices, follow the steps below.

Step	Action
1	<p>On the CIEFFE SiteManager's 'main' screen, click the Monitors tab.</p>  <p>Note: Ensure that the monitor panels are displayed by ticking the Show monitors panel in Windows.</p>
2	<p>Select and right click on the required CIEFFE SMDS monitor in the 'hierarchy' window. Click Connect or Disconnect as required.</p>
3	<p>You may choose to connect or disconnect a CIEFFE SMDS display device by clicking  and  respectively in the required monitor panel.</p>

Other information

To connect or disconnect CIEFFE SMDS secondary display devices using the CIEFFE SMDS 2nd menu, simply click on **2nd menu** on CIEFFE SMDS toolbar and select **Disconnect**. To connect again, simply select the resource you wish to display on the secondary display device.

Displaying cameras on CIEFFE SMDS

Overview

When a group of resources which contains cameras is sent to CIEFFE SMDS from CIEFFE SiteManager, the user can select which camera is displayed on the primary and/or secondary display device.

Note:

To display cameras when CIEFFE SMDS is in decoder mode, the camera needs to be sent to the CIEFFE SMDS unit from CIEFFE SiteManager. Please refer to [Populating CIEFFE SMDS with CIEFFE SiteManager resources](#) for additional information.

Procedure

To display cameras when CIEFFE SMDS is in operator mode, follow the steps below.

Step	Action
1	Ensure that the required group of resources has been sent to the CIEFFE SMDS unit. Please refer to Populating CIEFFE SMDS with CIEFFE SiteManager resources for additional information.
2	Click on Menu , then Cameras and select the required camera from the 'camera' list. Result: The selected camera will be displayed on the primary display device. Note: Only cameras which are part of the group of resources that has been sent to the CIEFFE SMDS unit will be listed in the 'camera' list.
3	If a secondary display device is connected to the CIEFFE SMDS unit, click on 2nd menu and then select the required camera from the list. Result: The selected camera will be displayed on the secondary display device. Note: Only cameras which are part of the group of resources that has been sent to the CIEFFE SMDS unit will be listed in the 'camera' list.

Displaying views on CIEFFE SMDS

Overview

When a group of resources which contains views is sent to CIEFFE SMDS from CIEFFE SiteManager, the user can select which view is displayed on the primary and/or secondary display device.

Note:

To display views when CIEFFE SMDS is in decoder mode, the view needs to be sent to the CIEFFE SMDS unit from CIEFFE SiteManager. Please refer to [Populating CIEFFE SMDS with CIEFFE SiteManager resources](#) for additional information.

Procedure

To display views when CIEFFE SMDS is in operator mode, follow the steps below.

Step	Action
1	Ensure that the required group of resources has been sent to the CIEFFE SMDS unit. Please refer to Populating CIEFFE SMDS with CIEFFE SiteManager resources for additional information.
2	Click on Menu , then Views and select the required view from the 'view' list. Result: The selected view will be displayed on the primary display device. Note: Only views which are part of the group of resources that has been sent to the CIEFFE SMDS unit will be listed in the 'view' list.
3	If a secondary display device is connected to the CIEFFE SMDS unit, click on 2nd menu and then select the required view from the list. Result: The selected view will be displayed on the secondary display device. Note: Only views which are part of the group of resources that has been sent to the CIEFFE SMDS unit will be listed in the 'view' list.

Displaying panoramas on CIEFFE SMDS

Overview

When a group of resources which contains panoramas is sent to CIEFFE SMDS from CIEFFE SiteManager, the user can select which panorama is displayed on the primary and/or secondary display device.

Note:

- To display panoramas when CIEFFE SMDS is in decoder mode, the view needs to be sent to the CIEFFE SMDS unit from CIEFFE SiteManager. Please refer to [Populating CIEFFE SMDS with CIEFFE SiteManager resources](#) for additional information.
- Regardless of the mode, panoramas only allow the user to observe the panorama as there are no playback commands or PTZ control in panoramas.

Procedure

To display panoramas when CIEFFE SMDS is in operator mode, follow the steps below.

Step	Action
1	Ensure that the required group of resources has been sent to the CIEFFE SMDS unit. Please refer to Populating CIEFFE SMDS with CIEFFE SiteManager resources for additional information.
2	Click on Menu , then Panoramas and select the required panorama from the 'panorama' list. Result: The selected panorama will be displayed on the primary display device. Note: Only panoramas which are part of the group of resources that has been sent to the CIEFFE SMDS unit will be listed in the 'panorama' list.
3	If a secondary display device is connected to the CIEFFE SMDS unit, click on 2nd menu and then select the required panorama from the list. Result: The selected panorama will be displayed on the secondary display device. Note: Only panoramas which are part of the group of resources that has been sent to the CIEFFE SMDS unit will be listed in the 'panorama' list.

Selecting encoder quality

Overview

CIEFFE SiteManager Decode Station enables you to apply an encoder quality selection which will result in the CIEFFE SMDS unit either automatically using the most appropriate video stream for the current display window size and resolution or applying the user's selection regardless of a camera's display window size and resolution.

In **Auto** mode, upon camera/view/panorama display, CIEFFE SMDS will automatically select the most appropriate virtual encoder video stream based on the camera's window size resolution. For example, if the camera is displayed across the entire monitor screen, CIEFFE SMDS will attempt to stream the High virtual encoder video stream. If a camera is displayed as part of a view within a small display unit, CIEFFE SMDS will attempt to stream the Low virtual encoder video stream.

Alternatively, if the user selects Low, for example, as the encoder quality, CIEFFE SMDS will attempt to stream the Low virtual encoder video stream regardless of a camera's display window size and resolution.

Please see the next few tables for details about how encoder quality will affect the displayed video footage.

Note:

- ! Recording of video footage is not affected by changing the encoder quality on CIEFFE SMDS in any way.
- ! This feature is only functional for CIEFFE Nettuno codec range, the CIEFFE IP camera range and cameras connected to Spectiva servers.

Compression codec	Encoder quality			
	AUTO	HIGH	MEDIUM	LOW
ENPACTA	Images are transmitted at FULL PAL/NTSC resolution regardless of the camera's video resolution or window size.			
H.264 with a single virtual encoder	Images are transmitted as per the single virtual encoder configuration regardless of the camera's video resolution or window size			
H.264 with multiple virtual encoders Note: H.264 compression codec's virtual encoders cannot be configured to use FULL resolution	Image transmission is automatically adjusted by CIEFFE SMDS unit as per virtual encoder configuration selected for HIGH (H), MEDIUM (M) or LOW (L) transmission depending on the camera's window size and video resolution	Images are transmitted as per virtual encoder configuration selected for HIGH (H) transmission regardless of the camera's window size and video resolution	Images are transmitted as per virtual encoder configuration selected for MEDIUM (M) transmission regardless of the camera's window size and video resolution	Images are transmitted as per virtual encoder configuration selected for LOW (L) transmission regardless of the camera's window size and video resolution

Continued on next page

Selecting encoder quality, Continued

Compression codec	Encoder quality			
	AUTO	HIGH	MEDIUM	LOW
MPEG4 with a single virtual encoder	Images are transmitted as per the single virtual encoder configuration regardless of the camera's video resolution or window size			
MPEG4 with multiple virtual encoders	Image transmission is automatically adjusted by CIEFFE SMDS unit as per virtual encoder configuration selected for HIGH (H), MEDIUM (M) or LOW (L) transmission depending on the camera's window size and video resolution	Images are transmitted as per virtual encoder configuration selected for HIGH (H) transmission regardless of the camera's window size and video resolution	Images are transmitted as per virtual encoder configuration selected for MEDIUM (M) transmission regardless of the camera's window size and video resolution	Images are transmitted as per virtual encoder configuration selected for LOW (L) transmission regardless of the camera's window size and video resolution
WAVELET Note: Proprietary conditional refresh Delta Wavelet based transmission algorithm is automatically engaged. It enables transmission of image changes only so as to improve Wavelet video refresh rate over low bandwidth. Delta Wavelet compression level is scaled depending on the encoder quality selection.	Least to most Delta Wavelet compression applied Image transmission is automatically adjusted by CIEFFE SMDS unit and images are transmitted at Delta Wavelet FULL / MED or LOW PAL/NTSC resolution depending on the camera's window size and video resolution	Least Delta Wavelet compression applied Images are transmitted at Delta Wavelet FULL PAL/NTSC resolution regardless of the camera's window size and video resolution	Moderate Delta Wavelet compression applied Images are transmitted at Delta Wavelet MED PAL/NTSC resolution regardless of the camera's window size and video resolution	Most Delta Wavelet compression applied Images are transmitted at Delta Wavelet LOW PAL/NTSC resolution regardless of the camera's window size and video resolution

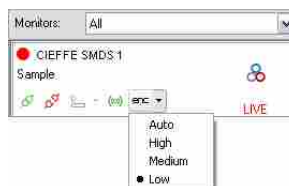
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Selecting encoder quality, Continued

Highly important information

When a single resource or a group of resources are sent from a CIEFFE SiteManager client to a CIEFFE SMDS unit, the initial encoder quality is determined by the display device's **Encoder** setting in CIEFFE SiteManager.

For example, the primary CIEFFE SMDS display device **Encoder** setting is **Low** in CIEFFE SiteManager.



When a resource or a group of resources is sent to the primary CIEFFE SMDS display device, the cameras will be transmitted using the video stream which correlates to the **Low** setting (e.g. **Low** virtual video encoder). Once CIEFFE SMDS accepts the resource or a group of resources, the user is able to select the preferred encoder quality as per the procedure below.

Procedure

To select encoder quality on CIEFFE SMDS, follow the steps below.

Step	Action						
1	Ensure that the required group of resources has been sent to the CIEFFE SMDS unit. Please refer to Populating CIEFFE SMDS with CIEFFE SiteManager resources for additional information.						
2	Display a camera, view or panorama as required. For additional information please refer to: <ul style="list-style-type: none"> ➤ Displaying cameras on CIEFFE SMDS, ➤ Displaying views on CIEFFE SMDS and ➤ Displaying panoramas on CIEFFE SMDS. 						
3	<table border="1" style="width: 100%;"> <thead> <tr> <th>If you are working with a...</th> <th>then click...</th> </tr> </thead> <tbody> <tr> <td>primary monitor</td> <td>Menu and then click Encoder quality.</td> </tr> <tr> <td>secondary monitor</td> <td>2nd menu and then click Encoder quality.</td> </tr> </tbody> </table> <p>Result: The 'encoder quality' menu will be displayed.</p>	If you are working with a...	then click...	primary monitor	Menu and then click Encoder quality .	secondary monitor	2nd menu and then click Encoder quality .
If you are working with a...	then click...						
primary monitor	Menu and then click Encoder quality .						
secondary monitor	2nd menu and then click Encoder quality .						

Continued on next page

Selecting encoder quality, Continued

Procedure (continued)

Step	Action										
4	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #cccccc;">If you wish the CIEFFE SMDS unit...</th> <th style="background-color: #cccccc;">then click...</th> </tr> </thead> <tbody> <tr> <td>to automatically and dynamically select the video stream for the currently displayed camera(s) based on the display window size and resolution</td> <td style="text-align: center;">Auto</td> </tr> <tr> <td>to stream the video stream correlated to High transmission for the currently displayed camera(s) regardless of the display window size and resolution</td> <td style="text-align: center;">High</td> </tr> <tr> <td>to stream the video stream correlated to Medium transmission for the currently displayed camera(s) regardless of the display window size and resolution</td> <td style="text-align: center;">Medium</td> </tr> <tr> <td>to stream the video stream correlated to Low transmission for the currently displayed camera(s) regardless of the display window size and resolution</td> <td style="text-align: center;">Low</td> </tr> </tbody> </table> <p>Result: The selected encoder quality will be applied immediately to all cameras currently displayed. The encoder quality icon in the 'encoder quality' menu will be highlighted orange.</p> <p>Note:</p> <ul style="list-style-type: none"> ! Primary and secondary monitors' encoder quality selections are independent. ➤ Please refer to page 57 for detailed information about the effect of encoder quality selection for various compression codecs. 	If you wish the CIEFFE SMDS unit...	then click...	to automatically and dynamically select the video stream for the currently displayed camera(s) based on the display window size and resolution	Auto	to stream the video stream correlated to High transmission for the currently displayed camera(s) regardless of the display window size and resolution	High	to stream the video stream correlated to Medium transmission for the currently displayed camera(s) regardless of the display window size and resolution	Medium	to stream the video stream correlated to Low transmission for the currently displayed camera(s) regardless of the display window size and resolution	Low
If you wish the CIEFFE SMDS unit...	then click...										
to automatically and dynamically select the video stream for the currently displayed camera(s) based on the display window size and resolution	Auto										
to stream the video stream correlated to High transmission for the currently displayed camera(s) regardless of the display window size and resolution	High										
to stream the video stream correlated to Medium transmission for the currently displayed camera(s) regardless of the display window size and resolution	Medium										
to stream the video stream correlated to Low transmission for the currently displayed camera(s) regardless of the display window size and resolution	Low										

Playing back video footage and audio from a single camera

Overview

CIEFFE SMDS allows you to playback video footage and audio from individual cameras. Standard playback commands are used to review the video footage and audio once a camera is displayed on a monitor.

Cameras which can be played back on CIEFFE SMDS

Cameras connected to Proxima v4.xx, Linearis, Spectiva v1.xx and v2.xx can be played back on CIEFFE SMDS. CIEFFE IP cameras and cameras connected to Nettuno encoders which are displayed on CIEFFE SMDS directly (i.e. they are not inputs on a Proxima/Linearis/Spectiva server) cannot be played back as Nettuno encoders and IP cameras do not record video footage or audio.

Procedure

To playback video footage and audio on CIEFFE SMDS, follow the steps below.

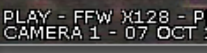
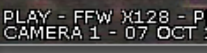
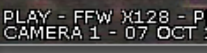
Step	Action
1	Display the required camera on the primary or secondary CIEFFE SMDS display device. Please refer to Populating CIEFFE SMDS with CIEFFE SiteManager resources for additional information.
2	<p>Choose the camera sector you wish to play back by pressing Sector and selecting the required sector from the 'sector' menu.</p> <div data-bbox="901 1122 1070 1272" data-label="Image"> </div> <p>Result: The sector selection will dynamically change and the corresponding index will be loaded. Orange index sections represent recorded video footage.</p> <p>Note:</p> <ul style="list-style-type: none"> ➤ If the displayed camera does not have recorded footage in any of the sectors, the Sector button will not have an orange outline. ➤ If the displayed camera has a disabled sector or the sector has no recorded footage, the sector section of the 'sector' menu will not have an orange outline. ➤ You can also change the sector during playback. As sectors may have footage recorded at different days and times of day, switching, for example, from Prime to Time lapse will result in Time lapse footage being played back from the first available spot that is closest to the point in time where Prime footage ceased playing back.

Continued on next page

Playing back video footage and audio from a single camera,

Continued

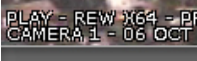
Procedure (continued)

Step	Action								
3	Using the mouse and the time scale settings, adjust the index time scale and position the index pointer where you wish the playback to start.								
4	<p>Press Play.</p> <p>Result: Playback will be activated and the first recorded image will be displayed.</p> <p>Note: Ensure that the speakers are connected and the volume at the required level. If audio has been recorded, it will be played back automatically.</p>								
5	<p>Utilise the playback commands as required.</p> <table border="1"> <thead> <tr> <th>If you wish to...</th> <th>then...</th> </tr> </thead> <tbody> <tr> <td>go to the start of the video footage</td> <td>press Go to start.</td> </tr> <tr> <td>go to the end of the video footage</td> <td>press Go to end.</td> </tr> <tr> <td>fast forward the video footage</td> <td> <p>right click Forward.</p> <p>If you wish to increase the speed of the fast forward function, repeatedly right click the Forward button until you reach the required speed (2 xs to 512 xs).</p> <p>To slow down again, right click the Rewind button.</p> <p>Note: The selected speed will display in the middle of the top line on the bottom left of the 'video' window.</p>  </td> </tr> </tbody> </table>	If you wish to...	then...	go to the start of the video footage	press Go to start .	go to the end of the video footage	press Go to end .	fast forward the video footage	<p>right click Forward.</p> <p>If you wish to increase the speed of the fast forward function, repeatedly right click the Forward button until you reach the required speed (2 xs to 512 xs).</p> <p>To slow down again, right click the Rewind button.</p> <p>Note: The selected speed will display in the middle of the top line on the bottom left of the 'video' window.</p> 
If you wish to...	then...								
go to the start of the video footage	press Go to start .								
go to the end of the video footage	press Go to end .								
fast forward the video footage	<p>right click Forward.</p> <p>If you wish to increase the speed of the fast forward function, repeatedly right click the Forward button until you reach the required speed (2 xs to 512 xs).</p> <p>To slow down again, right click the Rewind button.</p> <p>Note: The selected speed will display in the middle of the top line on the bottom left of the 'video' window.</p> 								

Continued on next page

Playing back video footage and audio from a single camera, Continued

Procedure (continued)

5 (cont.)	If you wish to...	then...
	fast rewind the video footage	<p>right click Rewind.</p> <p>If you wish to increase the speed of the rewind function, repeatedly right click the Rewind button until you reach the required speed (2 xs to 512 xs). To slow down again, right click the Forward button.</p> <p>Note: The selected speed will display in the middle of the top line on the bottom left of the 'video' window.</p> 
	pause the video footage	<p>click the Pause button.</p> <p>Result: Playback will stop at the chosen point in the video footage to let you view a still image.</p> <p>To resume, right click Forward or Rewind as required or Play.</p>
	forward footage frame by frame	<p>click the Pause button and then repeatedly click Forward to move forward through the video footage frame by frame.</p>
	rewind footage frame by frame	<p>click the Pause button and then repeatedly click Rewind to move backward through the video footage frame by frame.</p>
	stop playback	<p>press Stop.</p> <p>Result: Playback will stop.</p>

Synchronised multiple camera video and audio playback

Overview

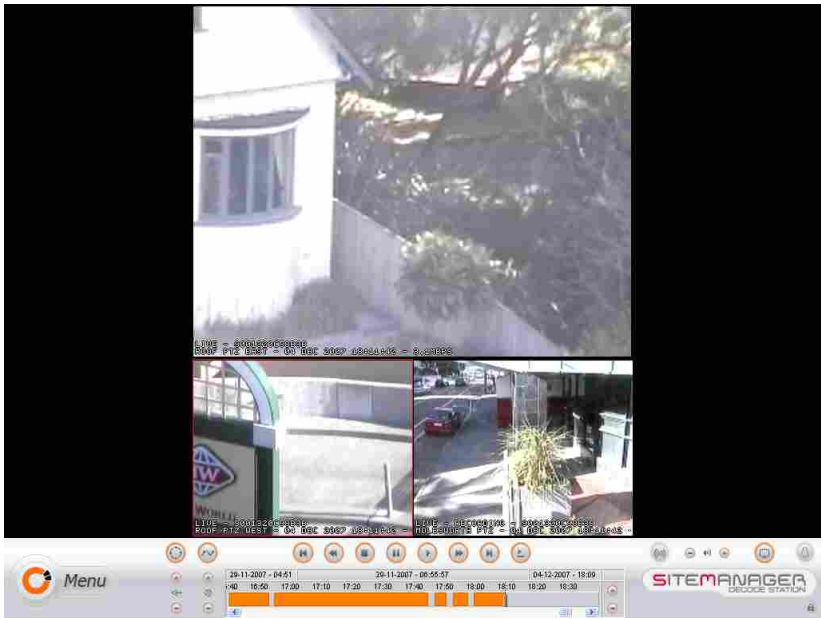
SYNCHRONISED MULTIPLE CAMERA PLAYBACK eliminates the need for individual camera footage viewing and hereby provides you with an enormous advantage of playing back time-synchronised recorded video footage and audio from all cameras included in a particular view **SIMULTANEOUSLY**. Synchronised multiple camera playback enables you to recreate an entire event or track a person/object with ease and precision.

Note:

- Remember that each camera may be uniquely configured with regard to recording time intervals and sectors. Therefore, when performing synchronised multiple camera playback, some cameras may not display video footage for the selected sector, date and time.
- Synchronised multiple camera playback can only be performed in views.

Procedure

To perform synchronised multiple camera video and audio playback on, follow the steps below.


Step	Action
1	Ensure that the required group of resources has been sent to the CIEFFE SMDS unit. Please refer to Populating CIEFFE SMDS with CIEFFE SiteManager resources for additional information.
2	Display the required view on the primary or secondary CIEFFE SMDS display device. Please refer to Displaying views on CIEFFE SMDS for additional information. <div style="text-align: center;">  </div>

Continued on next page

Synchronised multiple camera video and audio playback,

Continued

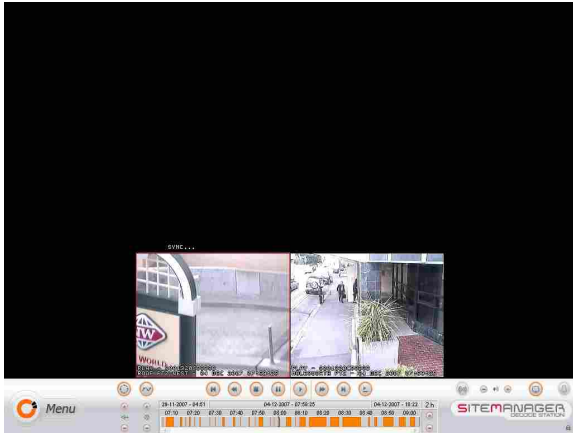
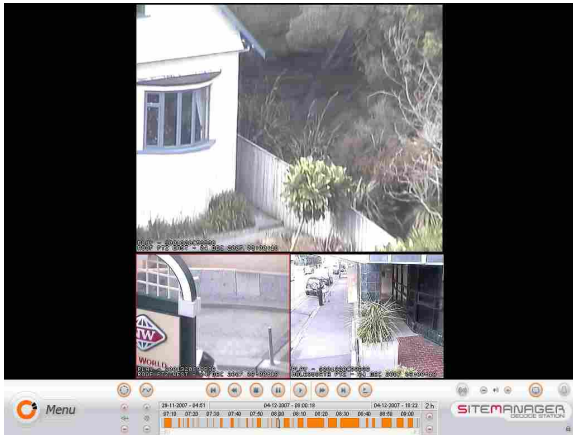
Procedure (continued)

Step	Action
3	<p>On the view screen, click on the camera you wish to be the master camera of the playback.</p> <p>Result: The selected camera will display a red outline.</p> <p>Note: ! The remaining cameras in the view synchronise their playback with the master camera. When the master is playing back footage from a particular date, time and sector, the rest of the cameras will ONLY play back the video and audio footage that corresponds to the date, time and sector specifications of the master camera. Therefore, at certain points during the playback, particular cameras may not have any footage to play back.</p>
4	<p>Choose the camera sector you wish to play back by pressing Sector and selecting the required sector from the 'sector' menu.</p> <div data-bbox="906 1137 1072 1285" style="text-align: center;"></div> <p>Result: The sector selection will dynamically change and the corresponding index will be loaded. Orange index sections represent recorded video footage.</p> <p>Note:</p> <ul style="list-style-type: none">➤ If the displayed camera does not have recorded footage in any of the sectors, the Sector button will not have an orange outline.➤ If the displayed camera has a disabled sector or the sector has no recorded footage, the sector section of the 'sector' menu will not have an orange outline.➤ You can also change the sector during playback. As sectors may have footage recorded at different days and times of day, switching, for example, from Prime to Time lapse will result in Time lapse footage being played back from the first available spot that is closest to the point in time where Prime footage ceased playing back.

Continued on next page

Synchronised multiple camera video and audio playback, Continued

Procedure (continued)

Step	Action
5	<p data-bbox="549 528 699 562">Press Play.</p> <p data-bbox="549 595 1334 663">Result: The synchronised multiple camera playback will commence.</p> <div data-bbox="700 692 1275 1122">A screenshot of the SiteManager software interface. The main display area is mostly black, indicating a period where no video is being recorded by the cameras. A small, multi-camera video window is visible in the center, showing a 'SYNC...' message. The interface includes a 'Menu' button on the left and a 'SITEMANAGER' logo on the right. A timeline at the bottom shows playback progress.</div> <p data-bbox="549 1160 1428 1357">As some cameras may have been programmed to record only at certain time intervals, these cameras may not have recorded footage at particular points during the synchronised playback. As a result, a black screen will be displayed while the other cameras are performing the synchronised multiple camera playback (see picture above).</p> <p data-bbox="549 1386 1418 1453">When the playback arrives at a point where the camera recorded video footage and/or audio, it will be displayed (see picture below).</p> <div data-bbox="700 1473 1275 1906">A screenshot of the SiteManager software interface showing a playback window with multiple camera feeds. The video is now visible, showing a residential area with a white building and trees. The interface elements, including the 'Menu' button and 'SITEMANAGER' logo, are the same as in the previous screenshot.</div>

Continued on next page

Synchronised multiple camera video and audio playback,

Continued

Procedure (continued)

Step	Action										
6	<p>Utilise the playback commands as required.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #cccccc;">If you wish to...</th> <th style="background-color: #cccccc;">then...</th> </tr> </thead> <tbody> <tr> <td>go to the start of the video footage</td> <td>press Go to start.</td> </tr> <tr> <td>go to the end of the video footage</td> <td>press Go to end.</td> </tr> <tr> <td>fast forward the video footage</td> <td> <p>right click Forward.</p> <p>If you wish to increase the speed of the fast forward function, repeatedly right click the Forward button until you reach the required speed (2 xs to 512 xs).</p> <p>To slow down again, right click the Rewind button.</p> <p>Note: The selected speed will display in the middle of the top line on the bottom left of the 'video' window.</p> <div style="text-align: center; border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;"> PLAY - FFW X128 - P CAMERA 1 - 07 OCT </div> </td> </tr> <tr> <td>fast rewind the video footage</td> <td> <p>right click Rewind.</p> <p>If you wish to increase the speed of the rewind function, repeatedly right click the Rewind button until you reach the required speed (2 xs to 512 xs).</p> <p>To slow down again, right click the Forward button.</p> <p>Note: The selected speed will display in the middle of the top line on the bottom left of the 'video' window.</p> <div style="text-align: center; border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;"> PLAY - REW X64 - P CAMERA 1 - 06 OCT </div> </td> </tr> </tbody> </table>	If you wish to...	then...	go to the start of the video footage	press Go to start .	go to the end of the video footage	press Go to end .	fast forward the video footage	<p>right click Forward.</p> <p>If you wish to increase the speed of the fast forward function, repeatedly right click the Forward button until you reach the required speed (2 xs to 512 xs).</p> <p>To slow down again, right click the Rewind button.</p> <p>Note: The selected speed will display in the middle of the top line on the bottom left of the 'video' window.</p> <div style="text-align: center; border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;"> PLAY - FFW X128 - P CAMERA 1 - 07 OCT </div>	fast rewind the video footage	<p>right click Rewind.</p> <p>If you wish to increase the speed of the rewind function, repeatedly right click the Rewind button until you reach the required speed (2 xs to 512 xs).</p> <p>To slow down again, right click the Forward button.</p> <p>Note: The selected speed will display in the middle of the top line on the bottom left of the 'video' window.</p> <div style="text-align: center; border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;"> PLAY - REW X64 - P CAMERA 1 - 06 OCT </div>
If you wish to...	then...										
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Continued on next page

Synchronised multiple camera video and audio playback,

Continued

Procedure (continued)

6 (cont.)	If you wish to...	then...
	pause the video footage	click the Pause button. Result: Playback will stop at the chosen point in the video footage to let you view a still image. To resume, right click Forward or Rewind as required or Play .
	forward footage frame by frame	click the Pause button and then repeatedly click Forward to move forward through the video footage frame by frame.
	rewind footage frame by frame	click the Pause button and then repeatedly click Rewind to move backward through the video footage frame by frame.
	stop playback	press Stop. Result: Playback will stop.

Pan / tilt / zooming a camera

Overview

CIEFFE SMDS allows you to control a camera dome's position and zoom as well as the focus and iris levels when it is displayed individually or as part of a view on either the primary or secondary display device.

Procedure

To pan / tilt or zoom a single camera dome, follow the steps below.

Step	Action										
1	Ensure that the required group of resources has been sent to the CIEFFE SMDS unit. Please refer to Populating CIEFFE SMDS with CIEFFE SiteManager resources for additional information.										
2	Display a camera as required. Please refer to Displaying cameras on CIEFFE SMDS for additional information.										
3	<table border="1"><thead><tr><th>If you wish to...</th><th>then...</th></tr></thead><tbody><tr><td>pan or tilt a camera dome</td><td>continue to step 4.</td></tr><tr><td>zoom in or out</td><td>go to step 6.</td></tr><tr><td>adjust a camera dome's focus</td><td>go to step 7.</td></tr><tr><td>adjust a camera dome's iris</td><td>go to step 8.</td></tr></tbody></table>	If you wish to...	then...	pan or tilt a camera dome	continue to step 4.	zoom in or out	go to step 6.	adjust a camera dome's focus	go to step 7.	adjust a camera dome's iris	go to step 8.
If you wish to...	then...										
pan or tilt a camera dome	continue to step 4.										
zoom in or out	go to step 6.										
adjust a camera dome's focus	go to step 7.										
adjust a camera dome's iris	go to step 8.										
4	Place the mouse cursor in the middle of the camera 'video' screen. Result: If the camera dome is configured correctly, the Dome cursor will be displayed. Note: If the camera has PTZ functionality, the PTZ controls will be displayed in the CIEFFE SMDS toolbar.										
5	To manoeuvre the camera dome, click and drag the dome cursor on the 'video' window until the required position is reached.										

Continued on next page

Pan / tilt / zooming a camera, Continued

Procedure (continued)

Step	Action										
6	<table border="1"> <thead> <tr> <th style="background-color: #cccccc;">If you wish to...</th> <th style="background-color: #cccccc;">then...</th> </tr> </thead> <tbody> <tr> <td>zoom in using the optical zoom</td> <td>roll the mouse wheel forward until the desired optical zoom level is achieved.</td> </tr> <tr> <td>zoom in using the digital zoom*</td> <td> <p>you must first reach the upper zoom limit of the optical zoom.</p> <p>Roll the mouse wheel forward until you cannot zoom in any further.</p> <p>Click on the 'video' window and roll the mouse wheel forward. Observe the corresponding changes in the 'video' window. Continue to roll the mouse wheel forward until the desired digital zoom level is achieved.</p> </td> </tr> <tr> <td>zoom out using the optical zoom</td> <td>roll the mouse wheel backward until the desired optical zoom level is achieved.</td> </tr> <tr> <td>zoom out using the digital zoom</td> <td> <p>you can only zoom out using the digital zoom if the camera dome is already digitally zoomed in (see *).</p> <p>Roll the mouse wheel backward.</p> <p>Observe the corresponding changes in the 'video' window.</p> </td> </tr> </tbody> </table>	If you wish to...	then...	zoom in using the optical zoom	roll the mouse wheel forward until the desired optical zoom level is achieved.	zoom in using the digital zoom*	<p>you must first reach the upper zoom limit of the optical zoom.</p> <p>Roll the mouse wheel forward until you cannot zoom in any further.</p> <p>Click on the 'video' window and roll the mouse wheel forward. Observe the corresponding changes in the 'video' window. Continue to roll the mouse wheel forward until the desired digital zoom level is achieved.</p>	zoom out using the optical zoom	roll the mouse wheel backward until the desired optical zoom level is achieved.	zoom out using the digital zoom	<p>you can only zoom out using the digital zoom if the camera dome is already digitally zoomed in (see *).</p> <p>Roll the mouse wheel backward.</p> <p>Observe the corresponding changes in the 'video' window.</p>
If you wish to...	then...										
zoom in using the optical zoom	roll the mouse wheel forward until the desired optical zoom level is achieved.										
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If you wish to...	then click...										
increase the focus	<p>Focus +.</p> <p>Continue to press Focus + until the desired focus level is achieved.</p>										
decrease the focus	<p>Focus -.</p> <p>Continue to press Focus - until the desired focus level is achieved.</p>										

Continued on next page

Pan / tilt / zooming a camera, Continued

Procedure (continued)

Step	Action						
8	<table border="1"> <thead> <tr> <th>If you wish to...</th> <th>then press...</th> </tr> </thead> <tbody> <tr> <td>increase the diameter of the camera dome's lens iris i.e. increase the amount of light entering the dome</td> <td> Iris +. The iris' diameter will increase by a single increment. Continue to press Iris + until the desired light level is achieved. </td> </tr> <tr> <td>decrease the diameter of the camera dome's lens iris i.e. decrease the amount of light entering the dome</td> <td> Iris -. The iris' diameter will decrease by a single increment. Continue to press Iris - until the desired light level is achieved. </td> </tr> </tbody> </table>	If you wish to...	then press...	increase the diameter of the camera dome's lens iris i.e. increase the amount of light entering the dome	Iris +. The iris' diameter will increase by a single increment. Continue to press Iris + until the desired light level is achieved.	decrease the diameter of the camera dome's lens iris i.e. decrease the amount of light entering the dome	Iris -. The iris' diameter will decrease by a single increment. Continue to press Iris - until the desired light level is achieved.
	If you wish to...	then press...					
increase the diameter of the camera dome's lens iris i.e. increase the amount of light entering the dome	Iris +. The iris' diameter will increase by a single increment. Continue to press Iris + until the desired light level is achieved.						
decrease the diameter of the camera dome's lens iris i.e. decrease the amount of light entering the dome	Iris -. The iris' diameter will decrease by a single increment. Continue to press Iris - until the desired light level is achieved.						

Procedure

To pan / tilt or zoom a camera dome which is part of a view, follow the steps below.

Step	Action
1	Ensure that the required group of resources has been sent to the CIEFFE SMDS unit. Please refer to Populating CIEFFE SMDS with CIEFFE SiteManager resources for additional information.
2	Display the required view on the primary or secondary CIEFFE SMDS display device. Please refer to Displaying views on CIEFFE SMDS for additional information.

Continued on next page

Pan / tilt / zooming a camera, Continued

Procedure (continued)

Step	Action										
3	<p>On the view screen, click on the camera you wish to manoeuvre.</p> <p>Result: The selected camera dome will have a RED outline.</p> <p>Note: If the camera has PTZ functionality, the PTZ controls will be displayed in the CIEFFE SMDS toolbar.</p>										
4	<table border="1"> <thead> <tr> <th data-bbox="568 792 1118 828">If you wish to...</th> <th data-bbox="1118 792 1407 828">then...</th> </tr> </thead> <tbody> <tr> <td data-bbox="568 828 1118 864">pan or tilt a camera dome</td> <td data-bbox="1118 828 1407 864">continue to step 5.</td> </tr> <tr> <td data-bbox="568 864 1118 900">zoom in or out</td> <td data-bbox="1118 864 1407 900">go to step 7.</td> </tr> <tr> <td data-bbox="568 900 1118 936">adjust a camera dome's focus</td> <td data-bbox="1118 900 1407 936">go to step 8.</td> </tr> <tr> <td data-bbox="568 936 1118 972">adjust a camera dome's iris</td> <td data-bbox="1118 936 1407 972">go to step 9.</td> </tr> </tbody> </table>	If you wish to...	then...	pan or tilt a camera dome	continue to step 5.	zoom in or out	go to step 7.	adjust a camera dome's focus	go to step 8.	adjust a camera dome's iris	go to step 9.
If you wish to...	then...										
pan or tilt a camera dome	continue to step 5.										
zoom in or out	go to step 7.										
adjust a camera dome's focus	go to step 8.										
adjust a camera dome's iris	go to step 9.										
5	<p>Place the mouse cursor in the middle of the camera 'video' screen.</p> <p>Result: If the camera dome is configured correctly, the Dome cursor will be displayed.</p>										
6	<p>To manoeuvre the camera dome, click and drag the dome cursor on the 'video' window until the required position is reached.</p>										

Continued on next page

Pan / tilt / zooming a camera, Continued

Procedure (continued)

Step	Action										
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If you wish to...	then click...										
increase the focus	<p>Focus +.</p> <p>Continue to press Focus + until the desired focus level is achieved.</p>										
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Continued on next page

Pan / tilt / zooming a camera, Continued

Procedure (continued)

Step	Action						
9	<table border="1"><thead><tr><th data-bbox="568 524 895 557">If you wish to...</th><th data-bbox="895 524 1406 557">then press...</th></tr></thead><tbody><tr><td data-bbox="568 557 895 831">increase the diameter of the camera dome's lens iris i.e. increase the amount of light entering the dome</td><td data-bbox="895 557 1406 831">Iris +. Result: The iris' diameter will increase by a single increment. Continue to press Iris + until the desired light level is achieved.</td></tr><tr><td data-bbox="568 831 895 1104">decrease the diameter of the camera dome's lens iris i.e. decrease the amount of light entering the dome</td><td data-bbox="895 831 1406 1104">Iris -. Result: The iris' diameter will decrease by a single increment. Continue to press Iris - until the desired light level is achieved.</td></tr></tbody></table>	If you wish to...	then press...	increase the diameter of the camera dome's lens iris i.e. increase the amount of light entering the dome	Iris +. Result: The iris' diameter will increase by a single increment. Continue to press Iris + until the desired light level is achieved.	decrease the diameter of the camera dome's lens iris i.e. decrease the amount of light entering the dome	Iris -. Result: The iris' diameter will decrease by a single increment. Continue to press Iris - until the desired light level is achieved.
If you wish to...	then press...						
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decrease the diameter of the camera dome's lens iris i.e. decrease the amount of light entering the dome	Iris -. Result: The iris' diameter will decrease by a single increment. Continue to press Iris - until the desired light level is achieved.						

Using camera dome presets

Overview

CIEFFE SMDS allows you to select a camera dome preset which results in the camera dome quickly moving to a predefined position that corresponds to the selected preset.

Note:

- Presets do not apply to fixed cameras.
- Presets must be configured before they can be utilised using the CIEFFE keyboard. For information on how to create presets, please refer to the corresponding server's *Installation Guide*.

Procedure

To utilise camera dome presets of a single camera, follow the steps below.

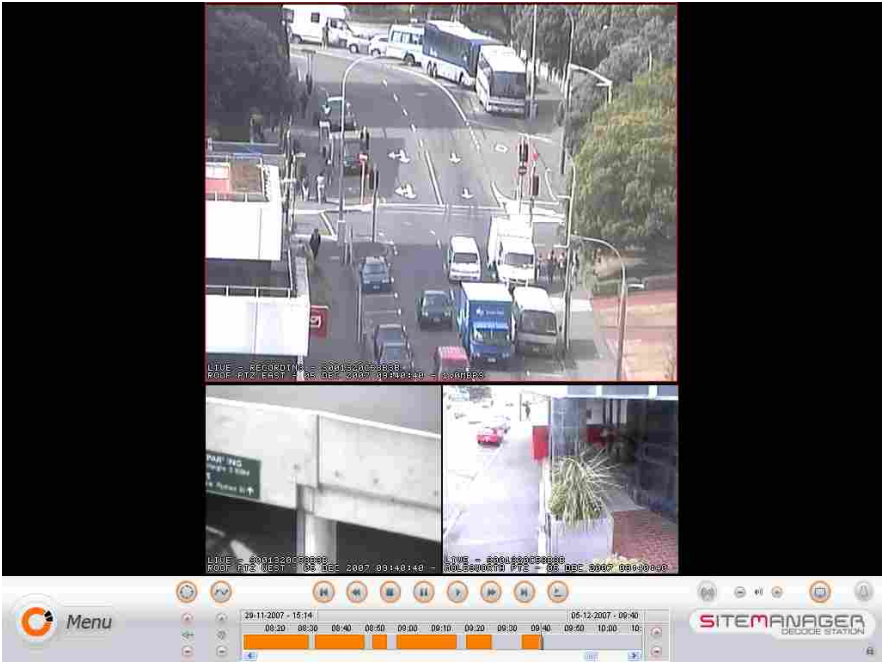
Step	Action
1	Ensure that the required group of resources has been sent to the CIEFFE SMDS unit. Please refer to Populating CIEFFE SMDS with CIEFFE SiteManager resources for additional information.
2	Display a camera as required. Please refer to Displaying cameras on CIEFFE SMDS for additional information. <div data-bbox="679 1055 1299 1518" style="text-align: center;"> </div> <p>If the camera has PTZ functionality, the PTZ controls will be displayed in the CIEFFE SMDS toolbar.</p>
3	On the CIEFFE SMDS click on Preset and select the desired preset from the 'preset' menu. <p>Result: The camera dome will assume the selected preset position.</p>
4	Repeat step 3 in order to move the selected camera dome to a different preset position.

Continued on next page

Using camera dome presets, Continued

Procedure

To utilise camera dome presets of camera domes which are displayed as part of a view, follow the steps below.

Step	Action
1	Ensure that the required group of resources has been sent to the CIEFFE SMDS unit. Please refer to Populating CIEFFE SMDS with CIEFFE SiteManager resources for additional information.
2	<p>Display the required view on the primary or secondary CIEFFE SMDS display device. Please refer to Displaying views on CIEFFE SMDS for additional information.</p> 
3	<p>On the view screen, click on the camera you wish to manoeuvre.</p> <p>Result: The selected camera dome will have a RED outline.</p> <p>Note: If the camera has PTZ functionality, the PTZ controls will be displayed in the CIEFFE SMDS toolbar.</p>
4	<p>On the CIEFFE SMDS click on Preset and select the desired preset from the 'preset' menu.</p> <p>Result: The camera dome will assume the selected preset position.</p>
5	Repeat step 4 in order to move the selected camera dome to a different preset position.

Using camera dome tours

Overview

CIEFFE SMDS allows you to select a camera dome tour which results in the camera dome shifting between predefined camera MOVEMENT SEQUENCES thus providing different 'scenes' in quick succession.

Note:

- Tours do not apply to fixed cameras.
- Tours must be configured before they can be utilised using the CIEFFE keyboard. For information on how to create tours, please refer to the corresponding server's *Installation Guide*.

Procedure

To utilise camera dome tours of a single camera, follow the steps below.

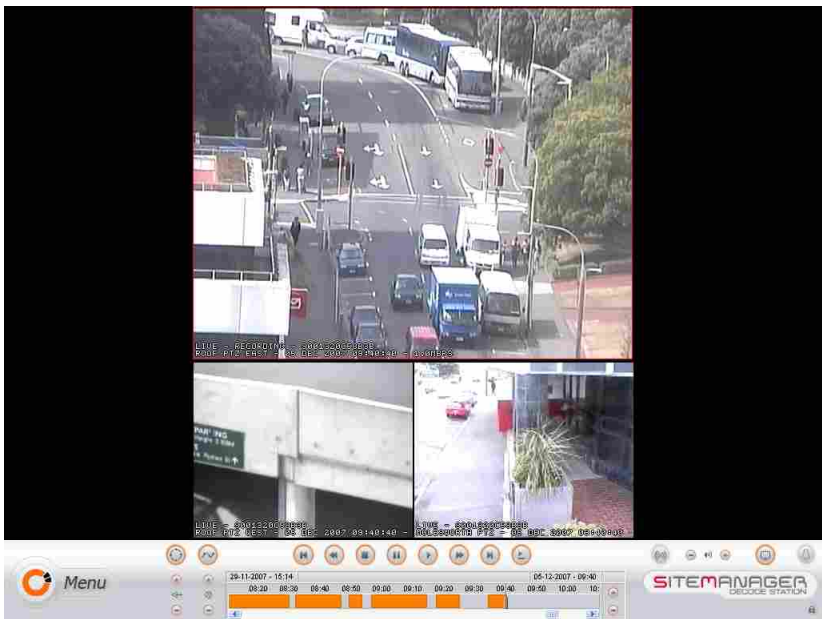
Step	Action
1	Ensure that the required group of resources has been sent to the CIEFFE SMDS unit. Please refer to Populating CIEFFE SMDS with CIEFFE SiteManager resources for additional information.
2	<p>Display a camera as required. Please refer to Displaying cameras on CIEFFE SMDS for additional information.</p> <div data-bbox="679 1059 1297 1518" data-label="Image"> </div> <p>If the camera has PTZ functionality, the PTZ controls will be displayed in the CIEFFE SMDS toolbar.</p>
3	<p>On the CIEFFE SMDS click on Tour and select the desired preset from the 'tour' menu.</p> <p>Result: The camera dome will commence the selected tour.</p>
4	Repeat step 3 in order to activate a different tour for the selected camera dome.
5	The tour will continue to play until you select a preset position by performing step 3 on page 75 .

Continued on next page

Using camera dome tours, Continued

Procedure

To utilise camera dome tours of camera domes which are displayed as part of a view, follow the steps below.

Step	Action
1	Ensure that the required group of resources has been sent to the CIEFFE SMDS unit. Please refer to Populating CIEFFE SMDS with CIEFFE SiteManager resources for additional information.
2	Display the required view on the primary or secondary CIEFFE SMDS display device. Please refer to Displaying views on CIEFFE SMDS for additional information. 
3	On the view screen, click on the camera you wish to manoeuvre. Result: The selected camera dome will have a RED outline. Note: If the camera has PTZ functionality, the PTZ controls will be displayed in the CIEFFE SMDS toolbar.
4	On the CIEFFE SMDS click on Tour and select the desired preset from the 'tour' menu. Result: The camera dome will commence the selected tour.
5	Repeat step 4 in order to activate a different tour for the selected camera dome.
6	The tour will continue to play until you select a preset position by performing step 3 on page 75 .
7	Repeat steps 3 – 6 in order activate a different tour for a different camera dome within the same view.

Displaying maps on CIEFFE SMDS

Overview

When a group of resources which contains maps is sent to CIEFFE SMDS from CIEFFE SiteManager, the user can select which map is displayed on the primary and/or secondary display device.

Note:

- To display maps when CIEFFE SMDS is in decoder mode, the map needs to be sent to the CIEFFE SMDS unit from CIEFFE SiteManager. Please refer to [Populating CIEFFE SMDS with CIEFFE SiteManager resources](#) for additional information.
- 3D maps are not accepted by CIEFFE SMDS.

Procedure

To display maps when CIEFFE SMDS is in operator mode, follow the steps below.

Step	Action
1	Ensure that the required group of resources has been sent to the CIEFFE SMDS unit. Please refer to Populating CIEFFE SMDS with CIEFFE SiteManager resources for additional information.
2	Click on Menu , then Maps and select the required map from the 'map' list. Result: The selected map will be displayed on the primary display device. Note: Only maps which are part of the group of resources that has been sent to the CIEFFE SMDS unit will be listed in the 'map' list.
3	If a secondary display device is connected to the CIEFFE SMDS unit, click on 2nd menu and then select the required map from the list. Result: The selected map will be displayed on the secondary display device. Note: Only maps which are part of the group of resources that has been sent to the CIEFFE SMDS unit will be listed in the 'map' list.

Working with maps on CIEFFE SMDS

Overview

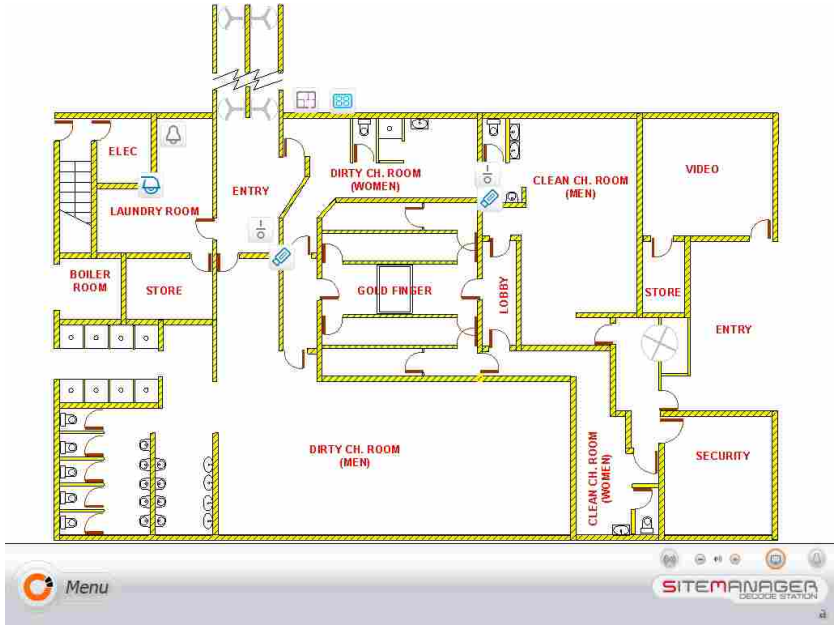
When a group of resources which contains maps is sent to CIEFFE SMDS from CIEFFE SiteManager, the user can fully interact with the map's icons and resources.

Note:

- ! If a map has been sent to CIEFFE SMDS as an individual resource (i.e. not as part of a group of resources), the user cannot interact with the map, only observe it.
- ! The map will only show resource icons which are also part of the group of resources sent to CIEFFE SMDS. For example, if a map's hierarchy contains View 1 and View 2 but only View 1 is part of the group of resources sent to CIEFFE SMDS, the user will only see the icon of View 1 when the map is displayed by a CIEFFE SMDS.
- ! Groups are never shown as map icons on CIEFFE SMDS even when they are part of a map's hierarchy.

Procedure

























To work with maps when CIEFFE SMDS is in operator mode, follow the steps below.

Step	Action
1	Ensure that the required group of resources has been sent to the CIEFFE SMDS unit. Please refer to Populating CIEFFE SMDS with CIEFFE SiteManager resources for additional information.
2	Display the map on the primary and/or secondary device. 

Continued on next page

Working with maps on CIEFFE SMDS, Continued

Procedure (continued)

Step	Action												
3	<table border="1" style="width: 100%;"> <thead> <tr> <th style="background-color: #cccccc;">If you wish to...</th> <th style="background-color: #cccccc;">then...</th> </tr> </thead> <tbody> <tr> <td>display a camera</td> <td>double click on  or .</td> </tr> <tr> <td>turn an alarm on or off</td> <td>double click on  to turn it on. double click on  to turn it off.</td> </tr> <tr> <td>turn an auxiliary on or off</td> <td>double click on  to turn it on. double click on  to turn it off.</td> </tr> <tr> <td>display a view</td> <td>double click on .</td> </tr> <tr> <td>display a map</td> <td>double click on .</td> </tr> </tbody> </table> <p>Note: If two display devices are installed on a single CIEFFE SMDS unit, which device displays the camera/view/map will depend on the CIEFFE SMDS double click behaviour settings. Please refer to Configuring display settings for additional information.</p>	If you wish to...	then...	display a camera	double click on  or  .	turn an alarm on or off	double click on  to turn it on. double click on  to turn it off.	turn an auxiliary on or off	double click on  to turn it on. double click on  to turn it off.	display a view	double click on  .	display a map	double click on  .
If you wish to...	then...												
display a camera	double click on  or  .												
turn an alarm on or off	double click on  to turn it on. double click on  to turn it off.												
turn an auxiliary on or off	double click on  to turn it on. double click on  to turn it off.												
display a view	double click on  .												
display a map	double click on  .												

Audio

Overview

CIEFFE SMDS provides you with access to the enabled audio channel(s) associated with the currently displayed camera(s).

If audio is present or recorded it will be audible during live viewing or playback of video footage respectively through the speakers connected to the CIEFFE SMDS.

A mute toggle button is also available allowing you to mute or unmute audio channel(s).

Note:

Please refer to [Installing CIEFFE SMDS](#) for detailed information about installing speakers on CIEFFE SMDS.

Procedure



To listen to live or recorded audio, follow the steps below.

Step	Action				
1	Ensure that the required group of resources has been sent to the CIEFFE SMDS unit. Please refer to Populating CIEFFE SMDS with CIEFFE SiteManager resources for additional information.				
2	Display a camera or view as required. For additional information, please refer to: <ul style="list-style-type: none">➤ Displaying cameras on CIEFFE SMDS and➤ Displaying views on CIEFFE SMDS.				
3	If you have displayed a view, click on the camera whose audio you wish to listen to. Result: The selected camera will display a RED outline.				
4	<table border="1"><thead><tr><th>If you wish to...</th><th>then...</th></tr></thead><tbody><tr><td>listen to live audio</td><td>if live audio is present it will be audible when the camera is displayed. Continue to step 5. Note: If you have displayed a view, click on the camera (master camera) whose audio you wish to listen to.</td></tr></tbody></table>	If you wish to...	then...	listen to live audio	if live audio is present it will be audible when the camera is displayed. Continue to step 5. Note: If you have displayed a view, click on the camera (master camera) whose audio you wish to listen to.
If you wish to...	then...				
listen to live audio	if live audio is present it will be audible when the camera is displayed. Continue to step 5. Note: If you have displayed a view, click on the camera (master camera) whose audio you wish to listen to.				

Continued on next page

Audio, Continued

Procedure (continued)

4 (cont.)	If you wish to...	then...
	listen to recorded audio	<p>if recorded audio is present it will be audible when playback is commenced.</p> <p>Continue to step 5.</p> <p>Note: If you are playing back on a view, only the audio of the master camera will be audible if recorded audio is present.</p>
5	If you wish to...	then click...
	increase the volume	Volume + repeatedly until the desired volume level is achieved.
	decrease the volume	Volume - repeatedly until the desired volume level is achieved.
6	If you click...	then...
		the icon will no longer have an orange outline and the audio channel(s) will be muted.
		the icon will have an orange outline and the audio channel(s) will be unmuted.

Chapter 6: CIEFFE SMDS operation – Alarms and auxiliaries

Overview

Certain functions available on CIEFFE SMDS can only be executed when the unit is in operator mode. This chapter provides detailed information about how to:

- configure automatic display of resources when alarms are triggered,
- change an alarm's state (i.e. trigger or switch off an alarm on demand),
- change an auxiliary's state (i.e. open or close an auxiliary output) and
- acknowledge triggered alarms when alarm notifications are received.

Note:

- ! In some cases, the source of the alarm is not reset. For example, locking of Prime sector or UPS going offline may be used as alarm sources but their state will not change on alarm acknowledgement by the user. You must manually perform the necessary tasks in order to change server lock or server UPS state/status.
-

Topic	Page
Overview	84
CIEFFE SMDS alarm sounds	85
Displaying resources in response to triggered alarms	86
Changing alarm state	89
Acknowledging alarm notifications of triggered alarms	90
Changing auxiliary state	92


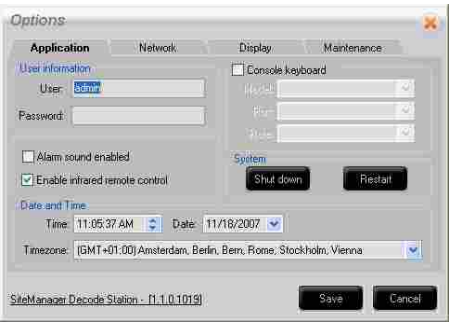
CIEFFE SMDS alarm sounds

Overview

CIEFFE SMDS allows you to enable an alarm sound which will be audible when an alarm which is part of the group of resources on CIEFFE SMDS is triggered.

Procedure

To enable an alarm sound which will be audible when an alarm notification is received by CIEFFE SMDS, follow the steps below.

Step	Action
<p>1</p>	<p>Click on Menu and then Options.</p> <p>Result: The 'login' window will be displayed.</p>  <p>Note: If the toolbar is not displayed, double click anywhere on the CIEFFE SMDS screen.</p>
<p>2</p>	<p>Enter the user name and password and click Ok.</p> <p>Result: The 'options – application' window will be displayed.</p> 
<p>3</p>	<p>Ensure that Alarm sound enabled box is ticked.</p>
<p>4</p>	<p>Click Save.</p> <p>Result: Wait for a few moments until the settings are applied.</p> <p>Note: ! It may take a few moments for the settings to be applied so please wait until you are able to click Menu button on the toolbar and the menu is displayed, or, if resources are currently displayed, wait for the display to be refreshed.</p>

Displaying resources in response to triggered alarms

Overview

The user is able to configure the alarms within a group of resources prior to sending the group from a CIEFFE SiteManager client to a CIEFFE SMDS unit so that when an alarm is triggered, one of the resources will be automatically displayed on the primary CIEFFE SMDS display device.

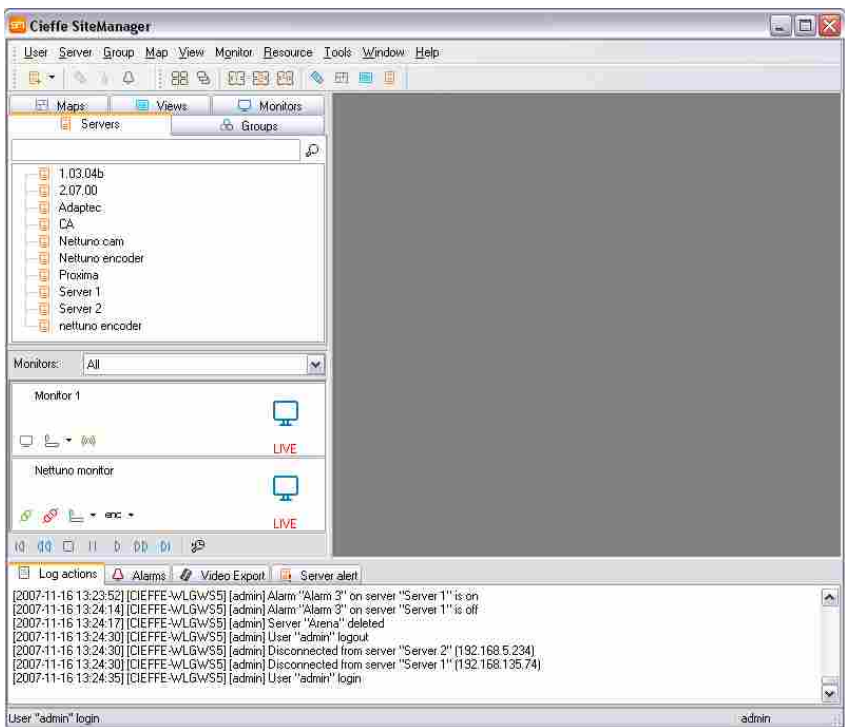
Note:

For additional information, please refer to:

- [Changing alarm state](#) and
- [Acknowledging alarm notifications of triggered alarms.](#)

Procedure

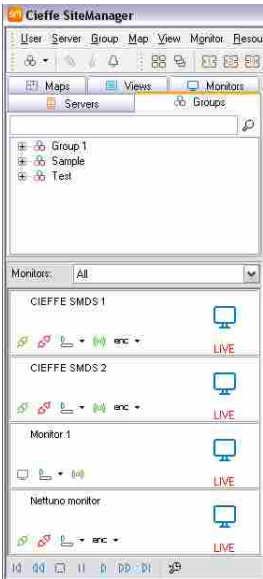
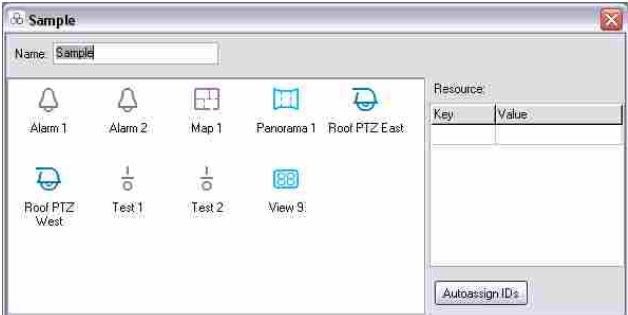
To configure alarmed resources, follow the steps below.

Step	Action
1	<p>Open the CIEFFE SiteManager application on the remote client and login.</p>  <p>Note: For detailed information about logging in, please refer to 'CIEFFE SiteManager User Guide'.</p>

Continued on next page

Displaying resources in response to triggered alarms, Continued

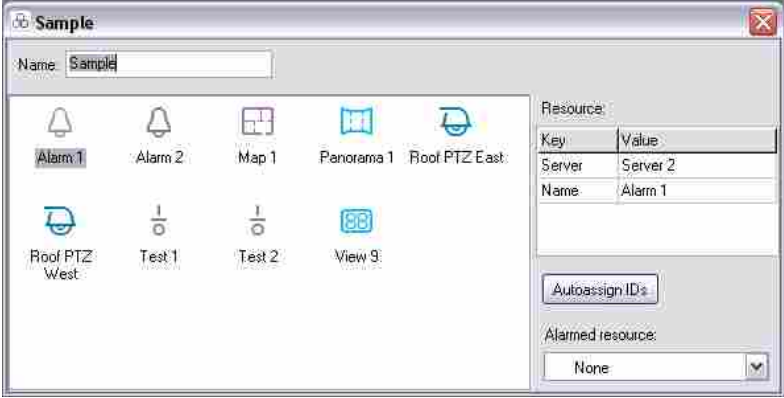
Procedure (continued)

Step	Action
2	<p>Click the Groups tab.</p> <p>Result: All the currently available groups will be displayed in the 'hierarchy' window.</p> 
3	<p>Click on the Group icon you wish to work with. Access the group menu by:</p> <ul style="list-style-type: none"> ➤ right clicking on the 'hierarchy' window or ➤ clicking Group in the dropdown toolbar. <p>Select Edit group.</p> <p>Result: The 'edit group' window will be displayed.</p> 

Continued on next page

Displaying resources in response to triggered alarms, Continued

Procedure (continued)

Step	Action
4	<p>Click on the resource icon which you wish to work with.</p> <p>Result: The resource will be selected and its details will be displayed in the resource section of the window.</p> 
5	<p>From the Alarmed resource dropdown menu select the resource which you wish CIEFFE SMDs to display automatically in response to the selected alarm being triggered.</p>
6	<p>When you have finished, click the red cross in the top right hand side of the window.</p> <p>Result: The 'edit group' window will disappear.</p>

Changing alarm state

Overview













Any alarm which is on a map which is part of the group of resources on CIEFFE SMDS can be turned on (triggered) or turned off as and when required.

Note:

- ! If an alarm is present on the map but is not an individual resource in the group, the user will not be able to change the alarm state.
- ! The alarm must be configured to allow manual use on the server in order for the user to be able to manually change the alarm state.

Procedure

To change an alarm state, follow the steps below.

Step	Action						
1	Ensure that the required group of resources has been sent to the CIEFFE SMDS unit. Please refer to Populating CIEFFE SMDS with CIEFFE SiteManager resources for additional information.						
2	Display a map as required. For additional information, please refer to Displaying maps on CIEFFE SMDS .						
3	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #cccccc;">If you wish to turn an alarm...</th> <th style="background-color: #cccccc;">then...</th> </tr> </thead> <tbody> <tr> <td>on</td> <td>double click on . Result: The alarm will be turned on and the alarm icon will be red .</td> </tr> <tr> <td>off</td> <td>double click on . Result: The alarm will be turned off and the alarm icon will be grey .</td> </tr> </tbody> </table> <p>Note:</p> <ul style="list-style-type: none"> ➤ When an alarm is triggered, an alarm notification will be received by the CIEFFE SMDS unit. Please refer to Acknowledging alarm notifications of triggered alarms for additional information. ➤ If the triggered alarm has been assigned an alarmed resource, the alarmed resource will be displayed. Please refer to Displaying resources in response to triggered alarms for additional information. 	If you wish to turn an alarm...	then...	on	double click on  . Result: The alarm will be turned on and the alarm icon will be red  .	off	double click on  . Result: The alarm will be turned off and the alarm icon will be grey  .
If you wish to turn an alarm...	then...						
on	double click on  . Result: The alarm will be turned on and the alarm icon will be red  .						
off	double click on  . Result: The alarm will be turned off and the alarm icon will be grey  .						

Acknowledging alarm notifications of triggered alarms

Overview


CIEFFE SMDS receives an alarm notification from the server whenever an alarm which is part of the CIEFFE SMDS unit's resource group is triggered. The user is then able to acknowledge the triggered alarm.

Note:

- ! Acknowledging an alarm notification DOES NOT change alarm state (i.e. the triggered alarm will not be turned off).
- Alarm notifications can only be received when the CIEFFE SMDS unit is in operator mode (i.e. a group of resources has been sent to the CIEFFE SMDS unit from a CIEFFE SiteManager client).
- Alarm notifications are only received by the primary CIEFFE SMDS display device.
- Please refer to [Changing alarm state](#) for further information about alarms.

Procedure


To acknowledge alarm notifications, follow the steps below.

Step	Action
1	Ensure that the required group of resources has been sent to the CIEFFE SMDS unit. Please refer to Populating CIEFFE SMDS with CIEFFE SiteManager resources for additional information.
2	<p>When an alarm which is part of the group of resources available on a CIEFFE SMDS unit is triggered, CIEFFE SMDS will receive an alarm notification from the server. The alarm details will be displayed and the alarm icon on the CIEFFE SMDS toolbar will be flashing red.</p>  <p>Note: The alarm details are displayed for a short period of time. Once they disappear only the alarm icon will continue to flash.</p> <p>! If the user manages to click on alarm details, the alarm will be acknowledged.</p>

Continued on next page

Acknowledging alarm notifications of triggered alarms, Continued

Procedure (continued)

Step	Action
3	<p>Click on the flashing alarm.</p> <p>Result: The 'alarm' menu will be displayed with a list of all the received alarm notifications which have not been acknowledged.</p>  <p>The screenshot shows a software interface with a top navigation bar and a main content area. A notification box is open, displaying the text "[12/5/2007 2:35:26 PM] Alarm 1 - Server 2 (Camera 2 disconnected)". Below this, there is a table with columns for time intervals: "06:12:2007 - 14:54", "15:00", "16:10", and "16:15". The interface also features a "SITEMANAGER DECODE STATION" logo and various control icons.</p>
4	<p>Click on the alarm which you wish to acknowledge.</p> <p>Result: The selected alarm will be acknowledged and if there are no remaining alarm notifications in the 'alarm' menu, the alarm will stop flashing.</p> <p>! Acknowledging an alarm notification DOES NOT change alarm state (i.e. does not turn off the alarm).</p>

Changing auxiliary state

Overview

Any auxiliary which is on a map which is part of the group of resources on CIEFFE SMDS and any auxiliary which is an individual resource in a group of resources on CIEFFE SMDS can be turned on (triggered) or turned off as and when required.

Note:

- ! If an auxiliary is present on the map but is not an individual resource in the group, the user will not be able to change the auxiliary state.
 - ! The auxiliary must be configured to allow manual use on the server in order for the user to be able to manually change the auxiliary state.
-

Procedure

To change an auxiliary state, follow the steps below.

Step	Action
1	Ensure that the required group of resources has been sent to the CIEFFE SMDS unit. Please refer to Populating CIEFFE SMDS with CIEFFE SiteManager resources for additional information.
2	Click on Menu , then Auxes and select the required aux from the 'aux' list. Result: The selected aux will change state. If it was turned off, it will be turned on. If it was turned on, it will be turned off. Note: Only auxiliaries which are part of the group of resources that has been sent to the CIEFFE SMDS unit will be listed in the 'aux' list.

Procedure













To change an auxiliary state on a map, follow the steps below.

Step	Action
1	Ensure that the required group of resources has been sent to the CIEFFE SMDS unit. Please refer to Populating CIEFFE SMDS with CIEFFE SiteManager resources for additional information.
2	Display a map as required. For additional information, please refer to Displaying maps on CIEFFE SMDS .

Continued on next page

Changing auxiliary state, Continued

Procedure (continued)

Step	Action						
3	<table border="1"><thead><tr><th data-bbox="568 524 1031 557">If you wish to turn an aux...</th><th data-bbox="1031 524 1407 557">then...</th></tr></thead><tbody><tr><td data-bbox="568 557 1031 792">on</td><td data-bbox="1031 557 1407 792">double click on . Result: The aux will be turned on and the aux icon will be yellow .</td></tr><tr><td data-bbox="568 792 1031 1028">off</td><td data-bbox="1031 792 1407 1028">double click on . Result: The aux will be turned off and the aux icon will be grey .</td></tr></tbody></table>	If you wish to turn an aux...	then...	on	double click on  . Result: The aux will be turned on and the aux icon will be yellow  .	off	double click on  . Result: The aux will be turned off and the aux icon will be grey  .
If you wish to turn an aux...	then...						
on	double click on  . Result: The aux will be turned on and the aux icon will be yellow  .						
off	double click on  . Result: The aux will be turned off and the aux icon will be grey  .						

Chapter 7: CIEFFE SMDS operation – Using the remote control

Overview

This chapter provides information about how to use the infrared remote control device in order to control a CIEFFE SMDS unit.

The infrared remote control device can be used to control the CIEFFE SMDS unit in both decode and operator modes.

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CIEFFE SMDS remote control overview

Overview

CIEFFE SMDS allows for an infrared remote control to be used in order to interact with the unit.



Buttons and features

A brief description of each feature on the CIEFFE SMDS remote control is provided in the table below.

Button/feature	Function
Shut down	Allows you to shut down (power off) the CIEFFE SMDS unit.
Playback	Provides standard video controls, allowing you to play back recorded video clips. Note: The record button is not functional.
Control menu	Allows you to access the 'control' menu and select whether the remote control commands should be executed on the primary or the secondary CIEFFE SMDS display device.
Navigation	The arrow keys allow you to move through menus and views. Ok allows you to apply the menu selection.

Continued on next page

CIEFFE SMDS remote control overview, Continued

Buttons and features (continued)

Button/feature	Function
Menu	Allows you to access the primary display device's menu.
Next/previous	Allows you to go to the next or go back to the previous resource in the group available on CIEFFE SMDS.
Mute	A toggle button which allows you to mute/unmute the audio stream.
Alarm	Allows you to display the 'triggered alarm' menu and acknowledge an incoming alarm notification.
2nd menu	Allows you to access the secondary display device's menu. Note: Only functional when the CIEFFE SMDS has a secondary display device installed and configured.
Number pad	Allows you to display a resource by entering the resource's ID number.
Clear	Allows you to delete an entered resource ID number.
Double digits	Used in conjunction with the number pad, allowing you to display a resource which has a double digit ID number.
Sector menu	Allows you to access the 'sector' menu and choose to playback video footage from one of the three sectors - Prime, Time lapse and Alarm.
Preset/tour menu	Allows you to access the 'preset' or the 'tour' menu and select a preset or a tour for the currently selected/displayed camera dome. Note: Only functional when PTZ cameras are displayed.
Volume	Allows you to adjust the audio volume.
Go back	Allows you to Cancel a prompt message.

Enabling remote control

Overview

In order for CIEFFE SMDS to accept and execute commands from the infrared remote control, you must ensure that the feature is enabled on the CIEFFE SMDS unit.

Procedure

To enable the remote control feature on CIEFFE SMDS, follow the steps below.

Step	Action
<p>1</p>	<p>Click on Menu and then Options.</p> <p>Result: The 'login' window will be displayed.</p> <div data-bbox="804 808 1174 1093" data-label="Image"> </div> <p>Note: If the toolbar is not displayed, double click anywhere on the CIEFFE SMDS screen.</p>
<p>2</p>	<p>Enter the user name and password and click Ok.</p> <p>Result: The 'options – application' window will be displayed.</p> <div data-bbox="667 1384 1313 1839" data-label="Image"> </div>
<p>3</p>	<p>Ensure that the Enable infrared remote control box is ticked.</p>

Menu navigation

Overview

CIEFFE SMDS remote control provides generic keys which allow the user to easily navigate through the CIEFFE SMDS menus.

To move sequential in an ascending order through a menu, the user should

press  as required.

To move sequential in a descending order through a menu, the user should

press  as required.

Once the user arrived at the required section of the menu, clicking **Ok** will apply the user selection.

Note:

Please refer to [Working with the CIEFFE SMDS menus](#) for detailed information about CIEFFE SMDS menus.

Selecting the remote control display device


Overview

As a single CIEFFE SMDS unit can be configured with up to two display devices, you must select which display device will show the executed remote control commands.

You are able to change the control selection easily and on demand.

Procedure



To specify the CIEFFE SMDS control, follow the steps below.

Step	Action
1	 Press MORE . Result: The 'control' menu will be displayed.
2	Press the navigation keys as required in order to select the display device which you wish to accept the remote control commands.
3	Once the device which you wish to select is highlighted, press Ok . Result: The remote control commands will be executed on the selected display device.

Displaying resources



Overview To display resources the user must display the primary or secondary display device menu and make their selection using the map navigation keys.

Procedure To display resources on the primary CIEFFE SMDS display device using the remote control, follow the steps below.

Step	Action
1	 Press  to display the primary devices menu.
2	Press the navigation keys as required until you have highlighted the required resource category. Click Ok . Result: The selected resource category menu will be displayed, listing all the available resources.
3	Press the navigation keys as required until you have highlighted the required resource. Click Ok . Result: The selected resource will be displayed on the primary display device.

Auxiliaries Follow steps 1 – 3 in order to turn on an auxiliary and repeat steps 1 – 3 in order to turn off an auxiliary. Note that when an auxiliary circuit is closed, the auxiliary icon in the 'auxiliary' menu will be highlighted orange. Auxiliaries are not available in the '2nd menu'

Procedure To display resources on the secondary CIEFFE SMDS display device using the remote control, follow the steps below.

Step	Action
1	 Press  to display the '2nd menu'.
2	Press the navigation keys as required until you have highlighted the required resource. Click Ok . Result: The selected resource will be displayed on the secondary display device.

Displaying resources sequentially

Overview

If each resource within a group sent to CIEFFE SMDS is assigned an ID, the user is able to very quickly sequentially display all the resources included in the group.

Note:

In order to display the resources in sequence, the resource IDs must be configured. Please refer to [Assigning group resource IDs](#) for detailed information about resource IDs.

As alarms and auxiliaries cannot be assigned a resource ID so they cannot be included in the sequential display.

Procedure

To display resources in sequence, follow the steps below.

Step	Action						
1	<table border="1"><thead><tr><th>If you wish to display...</th><th>then press...</th></tr></thead><tbody><tr><td>the NEXT resource in the group as determined by the group resource IDs</td><td>next/previous (CH) +. Result: The next resource in the group resource ID sequence will be displayed.</td></tr><tr><td>the PREVIOUS resource in the group as determined by the group resource IDs</td><td>next/previous (CH) -. Result: The previous resource in the group resource ID sequence will be displayed.</td></tr></tbody></table>	If you wish to display...	then press...	the NEXT resource in the group as determined by the group resource IDs	next/previous (CH) +. Result: The next resource in the group resource ID sequence will be displayed.	the PREVIOUS resource in the group as determined by the group resource IDs	next/previous (CH) -. Result: The previous resource in the group resource ID sequence will be displayed.
	If you wish to display...	then press...					
the NEXT resource in the group as determined by the group resource IDs	next/previous (CH) +. Result: The next resource in the group resource ID sequence will be displayed.						
the PREVIOUS resource in the group as determined by the group resource IDs	next/previous (CH) -. Result: The previous resource in the group resource ID sequence will be displayed.						
	Note: Depending on the group resource ID sequence, the resource which is previous or next in sequence may be connected to a different server. There may be a slight delay before the resource is displayed if the CIEFFE SMDS needs to connect to a different server or multiple servers.						
2	Continue to press the + or – buttons as required in order to display the group's resources in an ascending or a descending order respectively.						

Displaying resources using the number pad

Overview

If a resource within a group sent to CIEFFE SMDS is assigned an ID, the user is able to use the number pad in order to display the resource.

Note:

In order to display the resources using the number pad, the resource IDs must be configured. Please refer to [Assigning group resource IDs](#) for detailed information about resource IDs.

As alarms and auxiliaries cannot be assigned a resource ID.

Procedure

To display resources by using the number pad, follow the steps below.

Step	Action						
1	<table border="1"><thead><tr><th>If you wish to display...</th><th>then press...</th></tr></thead><tbody><tr><td>a resource with a single digit resource ID</td><td>the required number key. Result: The resource will be displayed.</td></tr><tr><td>a resource with a double digit resource ID</td><td>double digits (*). Result: A small icon will be displayed in the top right hand corner of the CIEFFE SMDS display device. Press the number keys as required in order to enter the resource ID. Press Enter. Result: The resource will be displayed. Note: If you have entered a digit by mistake, use the Clear button and re-enter the digit.</td></tr></tbody></table>	If you wish to display...	then press...	a resource with a single digit resource ID	the required number key. Result: The resource will be displayed.	a resource with a double digit resource ID	double digits (*) . Result: A small icon will be displayed in the top right hand corner of the CIEFFE SMDS display device. Press the number keys as required in order to enter the resource ID. Press Enter . Result: The resource will be displayed. Note: If you have entered a digit by mistake, use the Clear button and re-enter the digit.
If you wish to display...	then press...						
a resource with a single digit resource ID	the required number key. Result: The resource will be displayed.						
a resource with a double digit resource ID	double digits (*) . Result: A small icon will be displayed in the top right hand corner of the CIEFFE SMDS display device. Press the number keys as required in order to enter the resource ID. Press Enter . Result: The resource will be displayed. Note: If you have entered a digit by mistake, use the Clear button and re-enter the digit.						

Playing back video footage and audio from a single camera

Overview








CIEFFE SMDS allows you to playback video footage and audio from individual cameras. Standard playback commands are used to review the video footage and audio once a camera is displayed on a monitor.

Cameras which can be played back on CIEFFE SMDS

Cameras connected to Proxima v4.xx, Linearis, Spectiva v1.xx and v2.xx can be played back on CIEFFE SMDS. CIEFFE IP cameras and cameras connected to Nettuno encoders which are displayed on CIEFFE SMDS directly (i.e. they are not inputs on a Proxima/Linearis/Spectiva server) cannot be played back as Nettuno encoders and IP cameras do not record video footage or audio.

Procedure




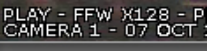



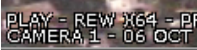
To playback video footage and audio on CIEFFE SMDS, follow the steps below.

Step	Action						
1	Display the required camera. Please refer to Displaying resources for additional information.						
2	<p>Press .</p> <p>Result: Playback will be activated and the first recorded image will be displayed.</p> <p>Note: Ensure that the speakers are connected and the volume at the required level. If audio has been recorded, it will be played back automatically.</p>						
3	<p>Utilise the playback commands as required.</p> <table border="1"> <thead> <tr> <th>If you wish to...</th> <th>then press...</th> </tr> </thead> <tbody> <tr> <td>go to the start of the video footage</td> <td> REPLAY</td> </tr> <tr> <td>go to the end of the video footage</td> <td> SKIP</td> </tr> </tbody> </table>	If you wish to...	then press...	go to the start of the video footage	 REPLAY	go to the end of the video footage	 SKIP
If you wish to...	then press...						
go to the start of the video footage	 REPLAY						
go to the end of the video footage	 SKIP						

Continued on next page

Playing back video footage and audio from a single camera, Continued












Procedure (continued)

3 (cont.)	If you wish to...	then press...
	fast forward the video footage	 <p>If you wish to increase the speed of the fast forward function, repeatedly press  until you reach the required speed (2 xs to 512 xs).</p> <p>To slow down again, press .</p> <p>Note: The selected speed will display in the middle of the top line on the bottom left of the 'video' window.</p> 
	fast rewind the video footage	 <p>If you wish to increase the speed of the fast rewind function, repeatedly press  until you reach the required speed (2 xs to 512 xs).</p> <p>To slow down again, press .</p> <p>Note: The selected speed will display in the middle of the top line on the bottom left of the 'video' window.</p> 

Continued on next page

Playing back video footage and audio from a single camera, Continued

Procedure (continued)

3 (cont.)	If you wish to...	then press...
	pause the video footage	 <p>Result: Playback will stop at the chosen point in the video footage to let you view a still image.</p> <p>To resume, press  or  as required or .</p>
	forward footage frame by frame	 and then repeatedly press  to move forward through the video footage frame by frame.
	rewind footage frame by frame	 and then repeatedly press  to move backward through the video footage frame by frame.
	stop playback	Press  . <p>Result: Playback will stop.</p>
4	<div style="text-align: center;">  </div> <p>During playback, press  and from the 'sector' menu dynamically select the sector from which you wish to playback.</p> <p>Result: The sector selection will dynamically change and the corresponding index will be loaded. Orange index sections represent recorded video footage.</p> <p>Note:</p> <ul style="list-style-type: none"> ➤ If the displayed camera has a disabled sector or the sector has no recorded footage, the sector section of the 'sector' menu will not have an orange outline. 	

Synchronised multiple camera video and audio playback

Overview

SYNCHRONISED MULTIPLE CAMERA PLAYBACK eliminates the need for individual camera footage viewing and hereby provides you with an enormous advantage of playing back time-synchronised recorded video footage and audio from all cameras included in a particular view **SIMULTANEOUSLY**. Synchronised multiple camera playback enables you to recreate an entire event or track a person/object with ease and precision.

Note:

- Remember that each camera may be uniquely configured with regard to recording time intervals and sectors. Therefore, when performing synchronised multiple camera playback, some cameras may not display video footage for the selected sector, date and time.
- Synchronised multiple camera playback can only be performed in views.

Procedure

To perform synchronised multiple camera video and audio playback on, follow the steps below.

Step	Action
1	<p>Display the required view. Please refer to Displaying resources for additional information.</p> 

Continued on next page

Synchronised multiple camera video and audio playback,

Continued


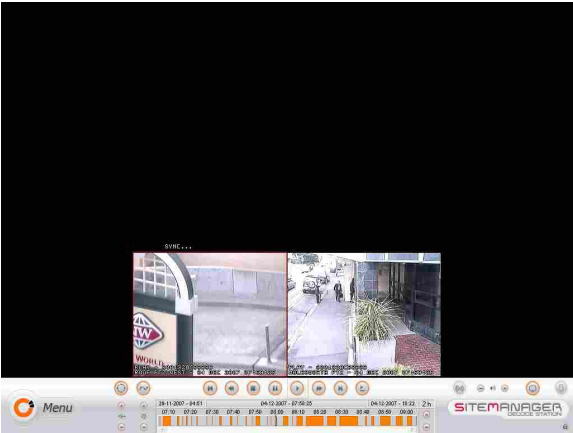
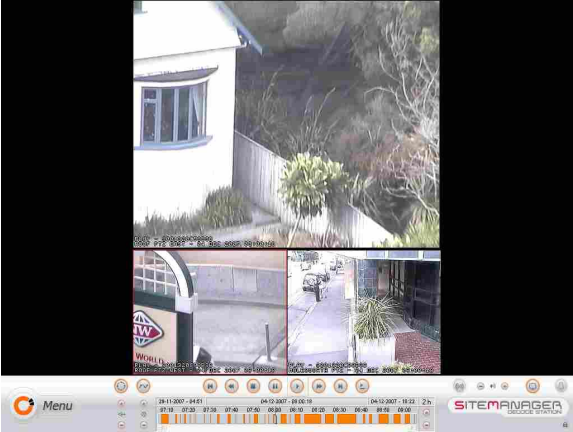
Procedure (continued)

Step	Action
2	<p>Using the navigation keys select the camera you wish to be the master camera of the playback.</p> <p>Result: The selected camera will be selected as the master and it will display a red outline.</p> <p>Note: ! The remaining cameras in the view synchronise their playback with the master camera. When the master is playing back footage from a particular date, time and sector, the rest of the cameras will ONLY play back the video and audio footage that corresponds to the date, time and sector specifications of the master camera. Therefore, at certain points during the playback, particular cameras may not have any footage to play back.</p>

Continued on next page

Synchronised multiple camera video and audio playback, Continued

























Procedure (continued)

Step	Action
3	<p data-bbox="549 533 724 613">Press .</p> <p data-bbox="549 651 1331 712">Result: The synchronised multiple camera playback will commence.</p> <div data-bbox="703 748 1278 1178"></div> <p data-bbox="549 1218 1426 1413">As some cameras may have been programmed to record only at certain time intervals, these cameras may not have recorded footage at particular points during the synchronised playback. As a result, a black screen will be displayed while the other cameras are performing the synchronised multiple camera playback (see picture above).</p> <p data-bbox="549 1442 1417 1503">When the playback arrives at a point where the camera recorded video footage and/or audio, it will be displayed (see picture below).</p> <div data-bbox="703 1532 1278 1962"></div>

Continued on next page

Synchronised multiple camera video and audio playback, Continued












Procedure (continued)

Step	Action										
4	<p>Utilise the playback commands as required.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #cccccc;">If you wish to...</th> <th style="background-color: #cccccc;">then press...</th> </tr> </thead> <tbody> <tr> <td>go to the start of the video footage</td> <td></td> </tr> <tr> <td>go to the end of the video footage</td> <td></td> </tr> <tr> <td>fast forward the video footage</td> <td> <p></p> <p>If you wish to increase the speed of the fast forward function, repeatedly press  until you reach the required speed (2 xs to 512 xs).</p> <p>To slow down again, press .</p> <p>Note: The selected speed will display in the middle of the top line on the bottom left of the 'video' window.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">PLAY - FFW X128 - P CAMERA 1 - 07 OCT</div> </td> </tr> <tr> <td>fast rewind the video footage</td> <td> <p></p> <p>If you wish to increase the speed of the fast rewind function, repeatedly press  until you reach the required speed (2 xs to 512 xs).</p> <p>To slow down again, press .</p> <p>Note: The selected speed will display in the middle of the top line on the bottom left of the 'video' window.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">PLAY - REW X64 - P CAMERA 1 - 06 OCT</div> </td> </tr> </tbody> </table>	If you wish to...	then press...	go to the start of the video footage		go to the end of the video footage		fast forward the video footage	<p></p> <p>If you wish to increase the speed of the fast forward function, repeatedly press  until you reach the required speed (2 xs to 512 xs).</p> <p>To slow down again, press .</p> <p>Note: The selected speed will display in the middle of the top line on the bottom left of the 'video' window.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">PLAY - FFW X128 - P CAMERA 1 - 07 OCT</div>	fast rewind the video footage	<p></p> <p>If you wish to increase the speed of the fast rewind function, repeatedly press  until you reach the required speed (2 xs to 512 xs).</p> <p>To slow down again, press .</p> <p>Note: The selected speed will display in the middle of the top line on the bottom left of the 'video' window.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">PLAY - REW X64 - P CAMERA 1 - 06 OCT</div>
If you wish to...	then press...										
go to the start of the video footage											
go to the end of the video footage											
fast forward the video footage	<p></p> <p>If you wish to increase the speed of the fast forward function, repeatedly press  until you reach the required speed (2 xs to 512 xs).</p> <p>To slow down again, press .</p> <p>Note: The selected speed will display in the middle of the top line on the bottom left of the 'video' window.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">PLAY - FFW X128 - P CAMERA 1 - 07 OCT</div>										
fast rewind the video footage	<p></p> <p>If you wish to increase the speed of the fast rewind function, repeatedly press  until you reach the required speed (2 xs to 512 xs).</p> <p>To slow down again, press .</p> <p>Note: The selected speed will display in the middle of the top line on the bottom left of the 'video' window.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">PLAY - REW X64 - P CAMERA 1 - 06 OCT</div>										

Continued on next page

Synchronised multiple camera video and audio playback, Continued

Procedure (continued)

4	If you wish to...	then press...
(cont.)	pause the video footage	 <p>Result: Playback will stop at the chosen point in the video footage to let you view a still image.</p> <p>To resume, press  or  as required or .</p>
	forward footage frame by frame	 and then repeatedly press  to move forward through the video footage frame by frame.
	rewind footage frame by frame	 and then repeatedly press  to move backward through the video footage frame by frame.
	stop playback	Press  . <p>Result: Playback will stop.</p>
5	<div style="text-align: center;"></div> <p>During playback, press  and from the 'sector' menu dynamically select the sector from which you wish to playback.</p> <p>Result: The sector selection will dynamically change and the corresponding index will be loaded. Orange index sections represent recorded video footage.</p> <p>Note:</p> <ul style="list-style-type: none"> ➤ If the displayed camera has a disabled sector or the sector has no recorded footage, the sector section of the 'sector' menu will not have an orange outline. 	

Using camera dome presets

Overview

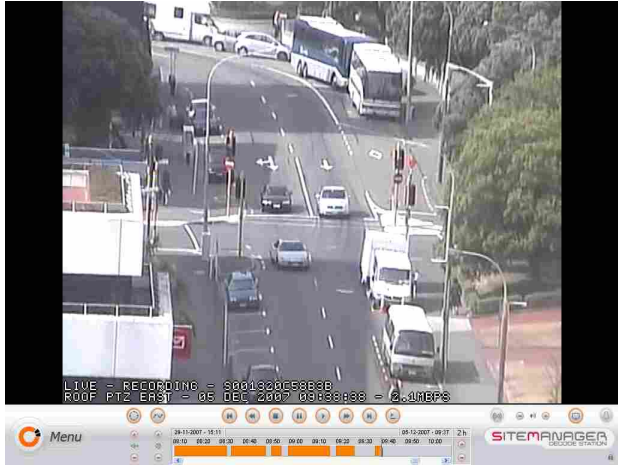

CIEFFE SMDS allows you to select a camera dome preset which results in the camera dome quickly moving to a predefined position that corresponds to the selected preset.

Note:

- Presets do not apply to fixed cameras.
- Presets must be configured before they can be utilised using the CIEFFE keyboard. For information on how to create presets, please refer to the corresponding server's *Installation Guide*.

Procedure

To utilise camera dome presets of a single camera, follow the steps below.

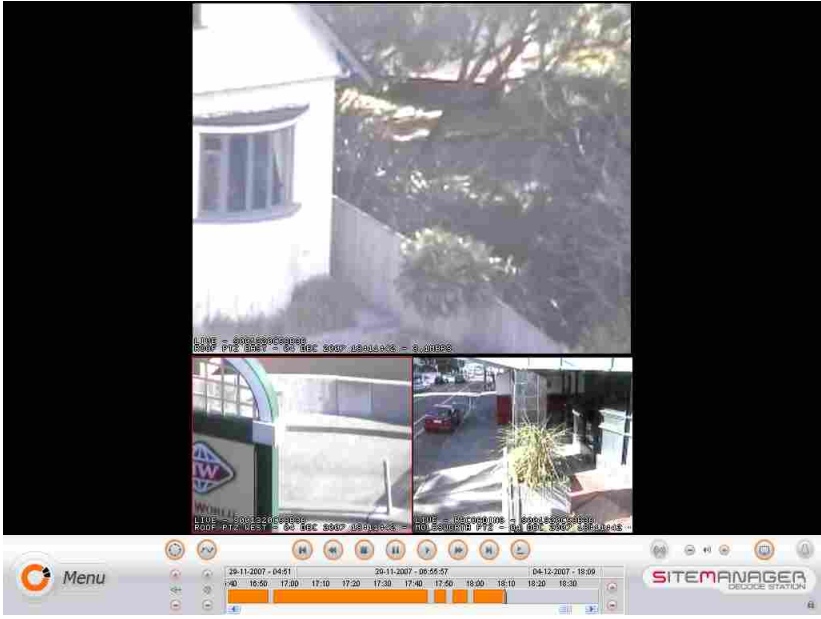

Step	Action
1	<p>Display the required camera dome. Please refer to Displaying resources for additional information.</p>  <p>If the camera has PTZ functionality, the PTZ controls will be displayed in the CIEFFE SMDS toolbar.</p>
2	<p>Press  TWICE to display the 'tour' menu.</p>
3	<p>Press the navigation keys as required until you have highlighted the required tour. Click Ok.</p> <p>Result: The camera dome will assume the selected preset position.</p>
4	<p>Repeat step 2 and 3 in order to move the selected camera dome to a different preset position.</p>

Continued on next page

Using camera dome presets, Continued

Procedure

To utilise camera dome presets of camera domes which are displayed as part of a view, follow the steps below.

Step	Action
1	<p>Display the required view. Please refer to Displaying resources for additional information.</p> 
2	<p>Using the navigation keys select the camera you wish to manoeuvre.</p> <p>Result: The selected camera will display a red outline.</p> <p>Note: If the camera has PTZ functionality, the PTZ controls will be displayed in the CIEFFE SMDS toolbar.</p>
3	 <p>Press RECORDED TV to display the 'preset' menu.</p>
4	<p>Press the navigation keys as required until you have highlighted the required preset. Click Ok.</p> <p>Result: The camera dome will assume the selected preset position.</p>
5	<p>Repeat step 3 and 4 in order to move the selected camera dome to a different preset position.</p>

Using camera dome tours

Overview

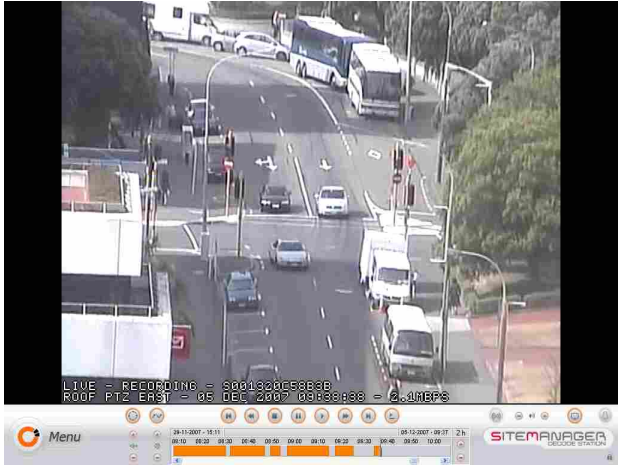

CIEFFE SMDS allows you to select a camera dome tour which results in the camera dome shifting between predefined camera MOVEMENT SEQUENCES thus providing different 'scenes' in quick succession.

Note:

- Tours do not apply to fixed cameras.
- Tours must be configured before they can be utilised using the CIEFFE keyboard. For information on how to create tours, please refer to the corresponding server's *Installation Guide*.

Procedure

To utilise camera dome tours of a single camera, follow the steps below.

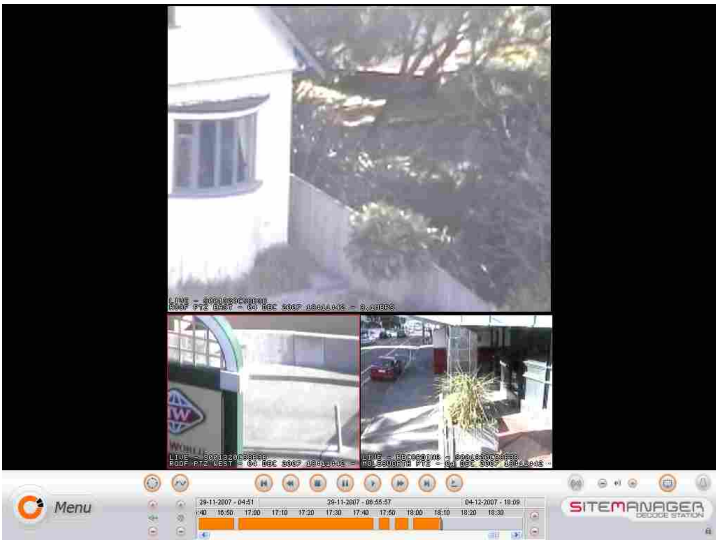

Step	Action
1	<p>Display the required camera dome. Please refer to Displaying resources for additional information.</p>  <p>If the camera has PTZ functionality, the PTZ controls will be displayed in the CIEFFE SMDS toolbar.</p>
2	<p>Press  to display the 'preset' menu.</p>
3	<p>Press the navigation keys as required until you have highlighted the required preset. Click Ok.</p> <p>Result: The camera dome will commence the selected tour.</p>
4	<p>Repeat step 2 and 3 in order to activate a different tour for the selected camera.</p>
5	<p>The tour will continue to play until you select a preset position by performing steps 2 and 3 on page 111.</p>

Continued on next page

Using camera dome tours, Continued

Procedure

To utilise camera dome tours of camera domes which are displayed as part of a view, follow the steps below.

Step	Action
1	<p>Display the required view. Please refer to Displaying resources for additional information.</p> 
2	<p>Using the navigation keys select the camera you wish to manoeuvre.</p> <p>Result: The selected camera will display a red outline.</p> <p>Note: If the camera has PTZ functionality, the PTZ controls will be displayed in the CIEFFE SMDS toolbar.</p>
3	<p>Press  TWICE to display the 'tour' menu.</p>
4	<p>Press the navigation keys as required until you have highlighted the required tour. Click Ok.</p> <p>Result: The camera dome will commence the selected tour.</p>
5	<p>Repeat step 3 and 4 in order to activate a different tour for the selected camera.</p>
6	<p>The tour will continue to play until you select a preset position by performing steps 3 and 4 on page 112.</p>
7	<p>Repeat steps 2 – 5 in order activate a different tour for a different camera dome within the same view.</p>

Audio

Overview

CIEFFE SMDS provides you with access to the enabled audio channel(s) associated with the currently displayed camera(s).

If audio is present or recorded it will be audible during live viewing or playback of video footage respectively through the speakers connected to the CIEFFE SMDS.

A mute toggle button is also available allowing you to mute or unmute audio channel(s).

Note:

Please refer to [Installing CIEFFE SMDS](#) for detailed information about installing speakers on CIEFFE SMDS.

Procedure







To listen to live or recorded audio, follow the steps below.

Step	Action						
1	Ensure that the required group of resources has been sent to the CIEFFE SMDS unit. Please refer to Populating CIEFFE SMDS with CIEFFE SiteManager resources for additional information.						
2	Display a camera or view as required. Please refer Displaying resources to for additional information.						
3	If you have displayed a view, using the navigation keys select the camera whose audio you wish to listen to. Result: The selected camera will be selected as the master and it will display a red outline.						
4	<table border="1"> <thead> <tr> <th>If you wish to...</th> <th>then...</th> </tr> </thead> <tbody> <tr> <td>listen to live audio</td> <td>if live audio is present it will be audible when the camera is displayed. Continue to step 5. Note: If you have displayed a view, click on the camera (master camera) whose audio you wish to listen to.</td> </tr> <tr> <td>listen to recorded audio</td> <td>if recorded audio is present it will be audible when playback is commenced. Continue to step 5. Note: If you are playing back on a view, only the audio of the master camera will be audible if recorded audio is present.</td> </tr> </tbody> </table>	If you wish to...	then...	listen to live audio	if live audio is present it will be audible when the camera is displayed. Continue to step 5. Note: If you have displayed a view, click on the camera (master camera) whose audio you wish to listen to.	listen to recorded audio	if recorded audio is present it will be audible when playback is commenced. Continue to step 5. Note: If you are playing back on a view, only the audio of the master camera will be audible if recorded audio is present.
If you wish to...	then...						
listen to live audio	if live audio is present it will be audible when the camera is displayed. Continue to step 5. Note: If you have displayed a view, click on the camera (master camera) whose audio you wish to listen to.						
listen to recorded audio	if recorded audio is present it will be audible when playback is commenced. Continue to step 5. Note: If you are playing back on a view, only the audio of the master camera will be audible if recorded audio is present.						

Continued on next page

Audio, Continued

Procedure (continued)

Step	Action						
5	<table border="1"> <thead> <tr> <th style="background-color: #cccccc;">If you wish to...</th> <th style="background-color: #cccccc;">then press...</th> </tr> </thead> <tbody> <tr> <td>increase the volume</td> <td>Volume + repeatedly until the desired volume level is achieved.</td> </tr> <tr> <td>decrease the volume</td> <td>Volume - repeatedly until the desired volume level is achieved.</td> </tr> </tbody> </table> <p>Note: An audio indicator will be shown on the display device while Volume keys are in use.</p>	If you wish to...	then press...	increase the volume	Volume + repeatedly until the desired volume level is achieved.	decrease the volume	Volume - repeatedly until the desired volume level is achieved.
If you wish to...	then press...						
increase the volume	Volume + repeatedly until the desired volume level is achieved.						
decrease the volume	Volume - repeatedly until the desired volume level is achieved.						
6	<table border="1"> <thead> <tr> <th style="background-color: #cccccc;">If you wish to...</th> <th style="background-color: #cccccc;">then press...</th> </tr> </thead> <tbody> <tr> <td>mute the audio channel(s)</td> <td>  <p>The Mute icon on the CIEFFE SMDS toolbar will no longer have an orange outline and the audio channel(s) will be muted.</p> </td> </tr> <tr> <td>unmute the audio channel(s)</td> <td>  <p>The Mute icon on the CIEFFE SMDS toolbar will have an orange outline and the audio channel(s) will be unmuted.</p> </td> </tr> </tbody> </table>	If you wish to...	then press...	mute the audio channel(s)	 <p>The Mute icon on the CIEFFE SMDS toolbar will no longer have an orange outline and the audio channel(s) will be muted.</p>	unmute the audio channel(s)	 <p>The Mute icon on the CIEFFE SMDS toolbar will have an orange outline and the audio channel(s) will be unmuted.</p>
If you wish to...	then press...						
mute the audio channel(s)	 <p>The Mute icon on the CIEFFE SMDS toolbar will no longer have an orange outline and the audio channel(s) will be muted.</p>						
unmute the audio channel(s)	 <p>The Mute icon on the CIEFFE SMDS toolbar will have an orange outline and the audio channel(s) will be unmuted.</p>						

Alarms

Overview

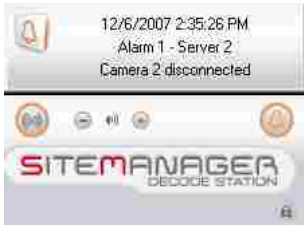
CIEFFE SMDS receives an alarm notification from the server whenever an alarm which is part of the CIEFFE SMDS unit's resource group is triggered. The user is then able to acknowledge the triggered alarm.

Note:

- ! Acknowledging an alarm notification DOES NOT change alarm state (i.e. the triggered alarm will not be turned off).
- Alarm notifications can only be received when the CIEFFE SMDS unit is in operator mode (i.e. a group of resources has been sent to the CIEFFE SMDS unit from a CIEFFE SiteManager client).
- Alarm notifications are only received by the primary CIEFFE SMDS display device.
- Please refer to [Changing alarm state](#) for further information about alarms.

Procedure



To acknowledge alarm notifications, follow the steps below.

Step	Action
1	Ensure that the required group of resources has been sent to the CIEFFE SMDS unit. Please refer to Populating CIEFFE SMDS with CIEFFE SiteManager resources for additional information.
2	Ensure that the remote control is controlling the primary display device.
3	<p>When an alarm which is part of the group of resources available on a CIEFFE SMDS unit is triggered, CIEFFE SMDS will receive an alarm notification from the server.</p> <p>The alarm details will be displayed and the alarm icon on the CIEFFE SMDS toolbar will be flashing red.</p> 

Continued on next page

Alarms, Continued

Procedure (continued)

Step	Action
4	<p data-bbox="547 499 715 589">Press </p> <p data-bbox="547 629 1374 730">Result: The 'alarm' menu will be displayed with a list of all the received alarm notifications which have not been acknowledged.</p> 
5	<p data-bbox="547 987 1398 1088">Press the navigation keys as required until you have highlighted the alarm which you wish to acknowledge. Click Ok.</p> <p data-bbox="547 1122 1374 1256">Result: The selected alarm will be acknowledged and if there are no remaining alarm notifications in the 'alarm' menu, the alarm will stop flashing.</p> <p data-bbox="547 1290 1418 1355">! Acknowledging an alarm notification DOES NOT change alarm state (i.e. does not turn off the alarm).</p>

Shutting down CIEFFE SMDS





Overview

In certain situations it may be necessary to switch off the power to the CIEFFE SMDS unit. In order to do so, you must first shut down the unit.

! DO NOT SWITCH OFF THE SERVER BY PRESSING THE POWER BUTTON ON THE UNIT.

Procedure

To shut down a CIEFFE SMDS unit, follow the steps below.

Step	Action						
1	Ensure that the remote control is controlling the primary display device.						
2	Press  . Result: The shut down warning message will be displayed.						
3	<table border="1"> <thead> <tr> <th>If you...</th> <th>then press...</th> </tr> </thead> <tbody> <tr> <td>do not wish to shut down CIEFFE SMDS</td> <td>  Result: The shut down warning message will disappear. </td> </tr> <tr> <td>wish to shut down CIEFFE SMDS</td> <td> Ok. Result: The CIEFFE SMDS unit will power down after a few moments. </td> </tr> </tbody> </table>	If you...	then press...	do not wish to shut down CIEFFE SMDS	 Result: The shut down warning message will disappear.	wish to shut down CIEFFE SMDS	Ok. Result: The CIEFFE SMDS unit will power down after a few moments.
If you...	then press...						
do not wish to shut down CIEFFE SMDS	 Result: The shut down warning message will disappear.						
wish to shut down CIEFFE SMDS	Ok. Result: The CIEFFE SMDS unit will power down after a few moments.						

Chapter 8: CIEFFE SMDS – Maintenance

Overview

This chapter provides detailed information about how to:

- access the CIEFFE SMDS system log,
 - configure the CIEFFE SMDS firewall,
 - freeze the CIEFFE SMDS configuration,
 - update CIEFFE SMDS firmware,
 - restart, shutdown and shutdown and reset a CIEFFE SMDS unit.
-

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CIEFFE SMDS firewall	124
Freezing CIEFFE SMDS configuration	127
Updating CIEFFE SMDS firmware	130
Restarting CIEFFE SMDS	133
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CIEFFE SMDS system log

Overview

The system log is a monitoring tool which documents system activity. You are able to export the system log file by saving it onto a media device e.g. a USB flash drive.

Procedure

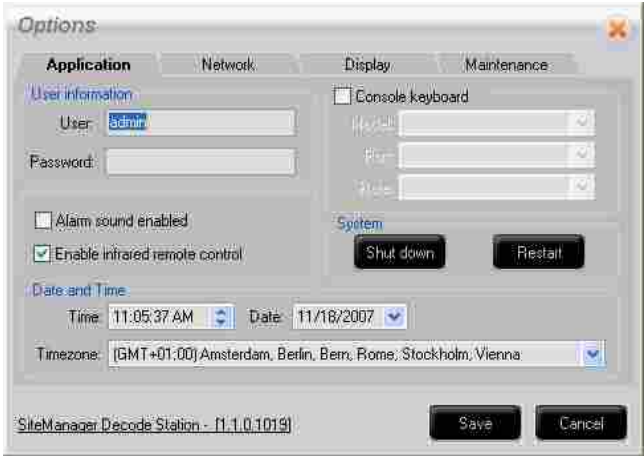
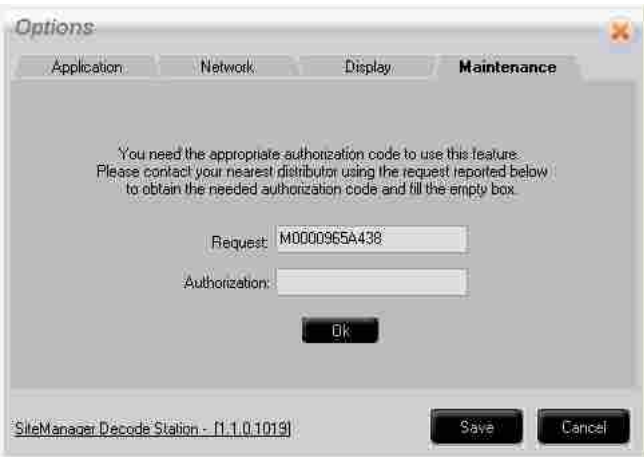
To work with CIEFFE SMDS system log, follow the steps below.

Step	Action
1	<p>Click on Menu and then Options.</p> <p>Result: The 'login' window will be displayed.</p>  <p>Note: If the toolbar is not displayed, double click anywhere on the CIEFFE SMDS screen.</p>

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CIEFFE SMDS system log, Continued

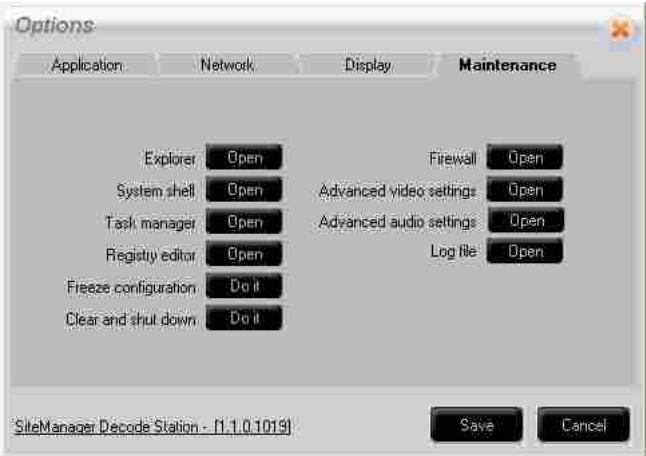
Procedure (continued)

Step	Action
2	<p>Enter the user name and password and click Ok.</p> <p>Result: The 'options – application' window will be displayed.</p> 
3	<p>Click Maintenance.</p> <p>Result: The 'options – maintenance' window will be displayed.</p> 

Continued on next page

CIEFFE SMDS system log, Continued

Procedure (continued)

Step	Action
4	<p>You will now be required to contact your nearest CIEFFE office, quote the request code and obtain the necessary authorisation key.</p> <p>Note: ! You will be required to contact CIEFFE every time you wish to access maintenance features.</p>
5	<p>Enter the authorisation key as advised by the CIEFFE technician and click Ok.</p> <p>Result: The 'options – maintenance_full' window will be displayed.</p> 
6	<p>Click Log file Open.</p> <p>Result: The CIEFFE SMDS system log file will be open.</p>
7	<p>Work with the file as required.</p> <p>Note: The system log file can be saved onto a media device e.g. USB flash drive.</p>

CIEFFE SMDS firewall

Overview


CIEFFE SMDS utilises a Microsoft Windows based firewall which allows you to edit and open or close (unblock or block) incoming network connections.

Note:

! You may require the assistance of your network administrator in order to complete the procedure below.

Procedure

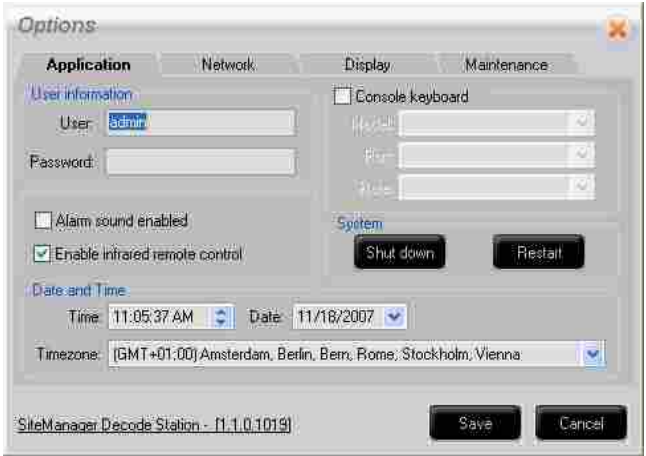
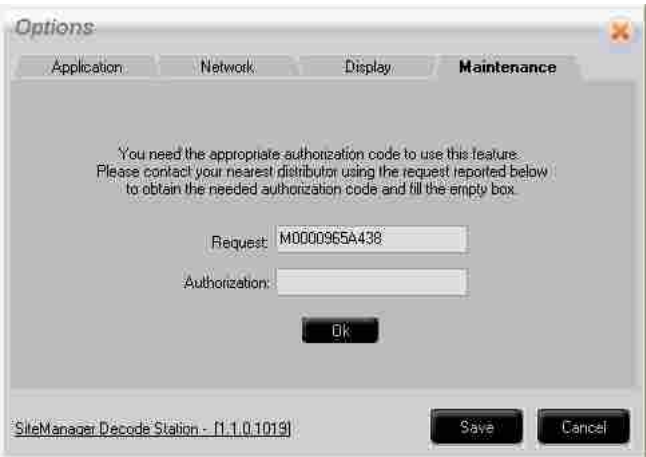
To configure CIEFFE SMDS firewall, follow the steps below.

Step	Action
1	<p>Click on Menu and then Options.</p> <p>Result: The 'login' window will be displayed.</p>  <p>Note: If the toolbar is not displayed, double click anywhere on the CIEFFE SMDS screen.</p>

Continued on next page

CIEFFE SMDS firewall, Continued

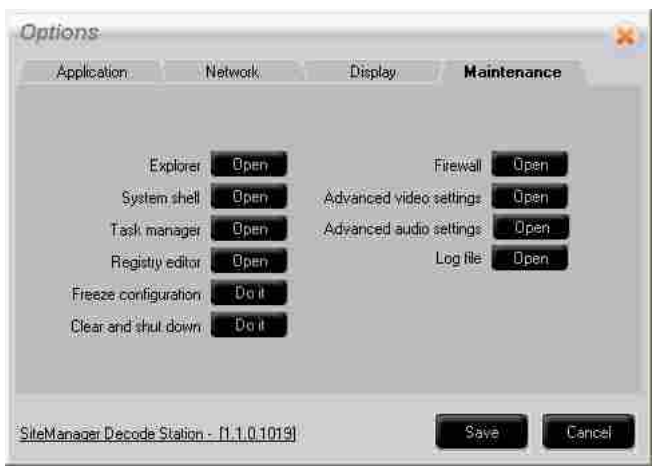
Procedure (continued)

Step	Action
2	<p>Enter the user name and password and click Ok.</p> <p>Result: The 'options – application' window will be displayed.</p> 
3	<p>Click Maintenance.</p> <p>Result: The 'options – maintenance' window will be displayed.</p> 

Continued on next page

CIEFFE SMDS firewall, Continued

Procedure (continued)

Step	Action
4	<p>You will now be required to contact your nearest CIEFFE office, quote the request code and obtain the necessary authorisation key.</p> <p>Note:</p> <p>! You will be required to contact CIEFFE every time you wish to access maintenance features.</p>
5	<p>Enter the authorisation key as advised by the CIEFFE technician and click Ok.</p> <p>Result:</p> <p>The 'options – maintenance_full' window will be displayed.</p>  <p>The screenshot shows a window titled 'Options' with four tabs: Application, Network, Display, and Maintenance. The Maintenance tab is active. It contains several buttons: Explorer (Open), System shell (Open), Task manager (Open), Registry editor (Open), Freeze configuration (Do it), Clear and shut down (Do it), Firewall (Open), Advanced video settings (Open), Advanced audio settings (Open), and Log file (Open). At the bottom, there are 'Save' and 'Cancel' buttons. The status bar at the bottom of the window reads 'SiteManager Decode Station - [1.1.0.1019]'.</p>
6	<p>Click Firewall Open.</p> <p>Result:</p> <p>Windows Firewall settings window will be open.</p>
7	<p>Edit the firewall settings as required.</p> <p>Click Ok and wait for the firewall settings to be applied.</p> <p>You may be required to wait for the unit to reboot.</p>


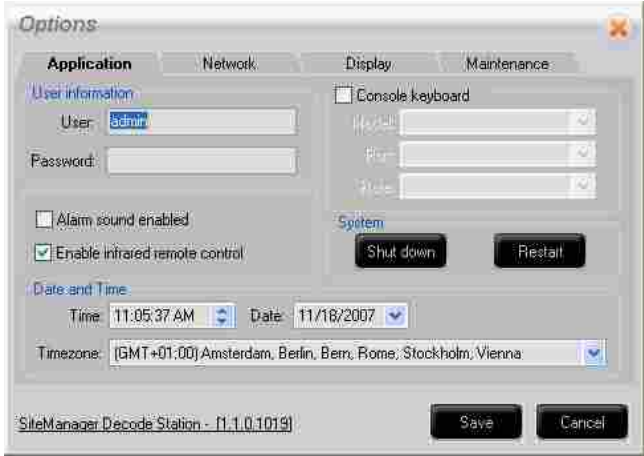
Freezing CIEFFE SMDS configuration

Overview

If you wish to take a snapshot of all files on CIEFFE SMDS you need to commit the overlay to the current state by freezing the configuration.

Procedure

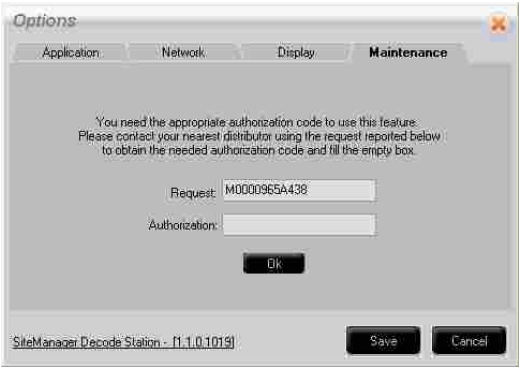
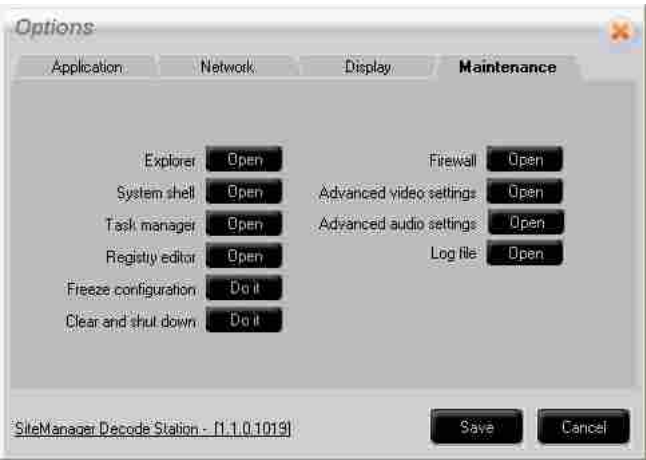
To freeze CIEFFE SMDS configuration, follow the steps below.

Step	Action
1	<p>Click on Menu and then Options.</p> <p>Result: The 'login' window will be displayed.</p>  <p>Note: If the toolbar is not displayed, double click anywhere on the CIEFFE SMDS screen.</p>
2	<p>Enter the user name and password and click Ok.</p> <p>Result: The 'options – application' window will be displayed.</p> 

Continued on next page

Freezing CIEFFE SMDS configuration, Continued

Procedure (continued)

Step	Action
3	<p>Click Maintenance.</p> <p>Result: The 'options – maintenance' window will be displayed.</p> 
4	<p>You will now be required to contact your nearest CIEFFE office, quote the request code and obtain the necessary authorisation key.</p> <p>Note: ! You will be required to contact CIEFFE every time you wish to access maintenance features.</p>
5	<p>Enter the authorisation key as advised by the CIEFFE technician and click Ok.</p> <p>Result: The 'options – maintenance_full' window will be displayed.</p> 

Continued on next page

Freezing CIEFFE SMDS configuration, Continued

Procedure (continued)

Step	Action
6	Click Freeze configuration . Result: The overlay will be committed to the current state.
7	Click Save . You may be required to wait for the unit to reboot.

Updating CIEFFE SMDS firmware

Overview

As software is developed and improved, you may be entitled to update CIEFFE SMDS's firmware and thus gain access to the software changes.


Note:

In order to update the system, ensure that you have either:

- downloaded the correct firmware file(s) (.wsz) and the ServerUpdate.exe file or
- obtained a media device (CD, USB etc.) which contains the correct firmware file(s) and the ServerUpdate.exe file.

Procedure

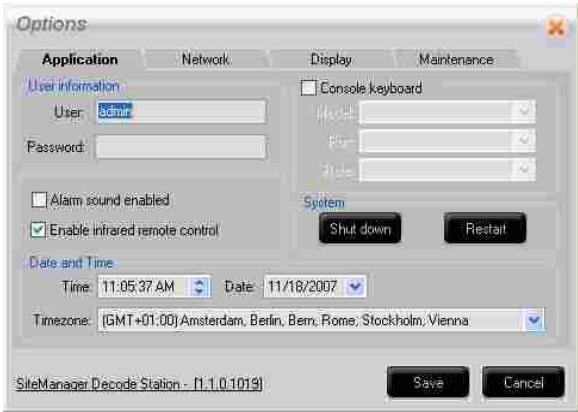
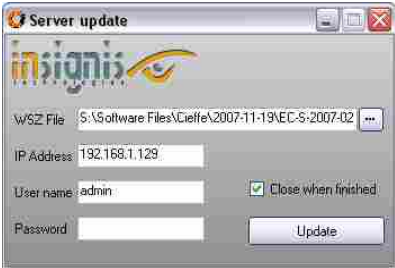
To update CIEFFE SMDS's firmware, follow the steps below.

Step	Action
1	<p>Click on Menu and then Options.</p> <p>Result: The 'login' window will be displayed.</p> <div data-bbox="804 981 1174 1258" data-label="Image">A screenshot of a 'Login' dialog box. The dialog has a title bar with the word 'Login' and a close button (X). Below the title bar, there are two text input fields: 'User:' and 'Password:'. At the bottom of the dialog, there are two buttons: 'Ok' and 'Cancel'.</div> <p>Note: If the toolbar is not displayed, double click anywhere on the CIEFFE SMDS screen.</p>

Continued on next page

Updating CIEFFE SMDS firmware, Continued


Procedure (continued)

Step	Action
2	<p>Enter the user name and password and click Ok.</p> <p>Result: The 'options – application' window will be displayed.</p>  <p>Note that the firmware version is indicated in the bottom left hand side corner of the window.</p>
3	<p>Click Cancel.</p> <p>Result: The 'options – application' window will disappear.</p>
4	<p>On a client PC which is connected to the same network as the CIEFFE SMDS unit(s):</p> <ul style="list-style-type: none"> ➤ insert the media device which contains the required update files or ➤ locate the required update files on the client.
5	<p>Double click on ServerUpdate.exe.</p> <p>Result: The 'server update' window will be displayed.</p> 
6	<p>Enter the IP address and the user name and password of the CIEFFE SMDS unit whose firmware you wish to update.</p>

Continued on next page

Updating CIEFFE SMDS firmware, Continued

Procedure (continued)

Step	Action						
7	<p>If you do not wish for the window to close once the update is completed, click the Close when finished box.</p> <p>Result: The tick will disappear and the window will remain open so that you can select the next file required for the update.</p>						
8	<p>Click on the Browse button, locate the CIEFFE SiteManager Decode Station vx.x.x.wsz file and click Open.</p>						
9	<p>Once the file is loaded, click Update.</p> <p>Result: The following message will be displayed.</p> 						
10	<p>Click Yes.</p> <p>Result: The update will commence.</p>						
11	<p>Wait until the update process is complete.</p> <p>Note: If you wish to stop the updating process, click X in the top right hand corner.</p>						
12	<table border="1"> <thead> <tr> <th>If you selected...</th> <th>then...</th> </tr> </thead> <tbody> <tr> <td>for the window to remain open when finished</td> <td>continue to step 13.</td> </tr> <tr> <td>to close the window when finished</td> <td>the window will disappear once the update is completed.</td> </tr> </tbody> </table> <p>Note: Go to step 14.</p>	If you selected...	then...	for the window to remain open when finished	continue to step 13.	to close the window when finished	the window will disappear once the update is completed.
If you selected...	then...						
for the window to remain open when finished	continue to step 13.						
to close the window when finished	the window will disappear once the update is completed.						
13	<p>When the update process is complete, click Ok on the message window.</p> <p>Note: CIEFFE SMDS primary display device will display an updating message and the unit may reboot.</p>						
14	<p>Repeat this procedure SEPARATELY for EVERY CIEFFE SMDS.</p>						

Restarting CIEFFE SMDS


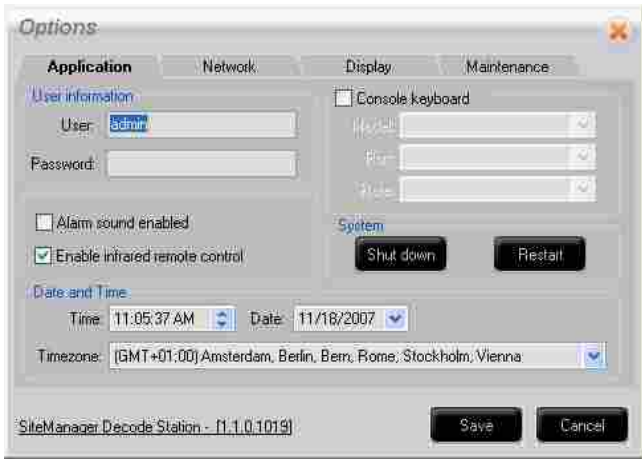
Overview

In certain situations it may be necessary to restart the CIEFFE SMDS unit. You can restart the unit locally or via a CIEFFE SiteManager client.

! THERE ARE NO WARNING MESSAGES. As soon as you click **Restart**, the unit will begin the restart process.

Procedure

To restart a CIEFFE SMDS unit locally, follow the steps below.

Step	Action
1	<p>Click on Menu and then Options.</p> <p>Result: The 'login' window will be displayed.</p>  <p>Note: If the toolbar is not displayed, double click anywhere on the CIEFFE SMDS screen.</p>
2	<p>Enter the user name and password and click Ok.</p> <p>Result: The 'options – application' window will be displayed.</p> 

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Restarting CIEFFE SMD, Continued

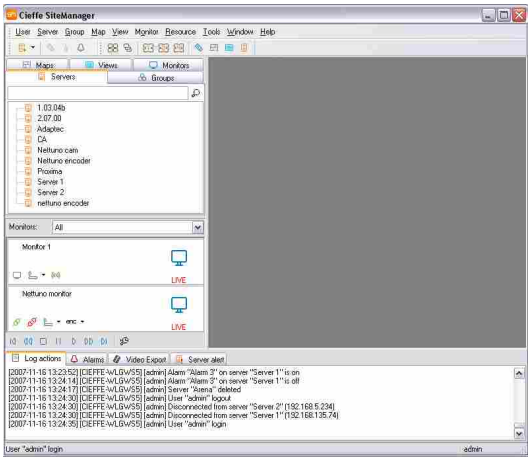
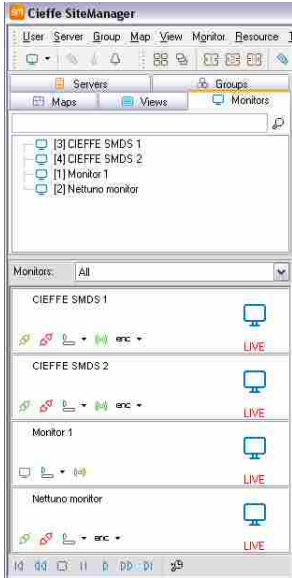
Procedure (continued)

Step	Action
3	<p data-bbox="547 495 1150 524">! THERE ARE NO WARNING MESSAGES.</p> <p data-bbox="547 562 1430 624">As soon as you click Restart, the unit will begin the restart process. Click Restart.</p> <p data-bbox="547 663 647 692">Result:</p> <p data-bbox="547 696 1286 725">The CIEFFE SMDS unit will restart after a few moments.</p> <p data-bbox="547 730 1433 792">Please wait until the unit is fully rebooted before attempting to use it again.</p>

Continued on next page

Restarting CIEFFE SMD, Continued

Procedure To restart a CIEFFE SMDS unit via a CIEFFE SiteManager client, follow the steps below.

Step	Action
<p>1</p>	<p>Open the CIEFFE SiteManager application on the remote client and login.</p>  <p>Note: For detailed information about logging in, please refer to 'CIEFFE SiteManager User Guide'.</p>
<p>2</p>	<p>Click the Monitors tab.</p> <p>Result: All the currently available monitors will be displayed in the 'hierarchy' window.</p> 

Continued on next page

Restarting CIEFFE SMD, Continued

Procedure (continued)

Step	Action
3	<p>THERE ARE NO WARNING MESSAGES. As soon as you click Restart, the unit will begin the restart process.</p> <p>Right click on the required CIEFFE SMDS display device in the 'hierarchy' window and select Restart.</p> <p>Result: The CIEFFE SMDS unit will restart after a few moments. Please wait until the unit is fully rebooted before attempting to use it again.</p>

Shutting down CIEFFE SMDS

Overview

In certain situations it may be necessary to switch off the power to the CIEFFE SMDS unit. In order to do so, you must first shut down the unit.

! DO NOT SWITCH OFF THE SERVER BY PRESSING THE POWER BUTTON ON THE UNIT.


Procedure

To shut down a CIEFFE SMDS unit without accessing the setup sections of the unit, follow the steps below.

Step	Action
1	Click on Menu and the Shut down . Result: The first shut down warning message will be displayed.
2	Click Yes . Result: The second shut down warning message will be displayed.
3	Click Yes . Result: The CIEFFE SMDS unit will power down after a few moments.

Procedure

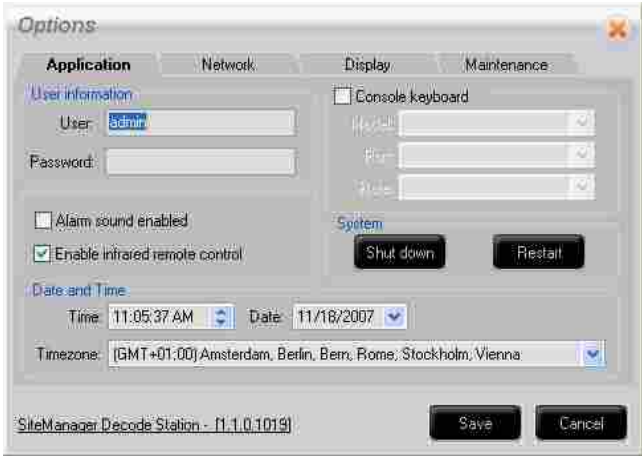
To shut down a CIEFFE SMDS unit by accessing the setup sections of the unit, follow the steps below.

Step	Action
1	Click on Menu and then Options . Result: The 'login' window will be displayed.  Note: If the toolbar is not displayed, double click anywhere on the CIEFFE SMDS screen.

Continued on next page

Shutting down CIEFFE SMD, Continued

Procedure (continued)

Step	Action
2	<p>Enter the user name and password and click Ok.</p> <p>Result: The 'options – application' window will be displayed.</p> 
3	<p>! THERE ARE NO WARNING MESSAGES.</p> <p>As soon as you click Shut down, the unit will begin to shut down. Click Shut down.</p> <p>Result: The CIEFFE SMDS unit will power down after a few moments.</p>


Shut down and reset CIEFFE SMDS

Overview

- ! The clear and shutdown feature allows you to shutdown and reset the CIEFFE SMDS unit to the original factory configuration. This function must be used with extreme care as all existing configuration settings will be lost and the unit will be powered down.
- ! THERE ARE NO WARNING MESSAGES. As soon as you click **Clear and shut down**, the unit will begin to shut down.

Procedure

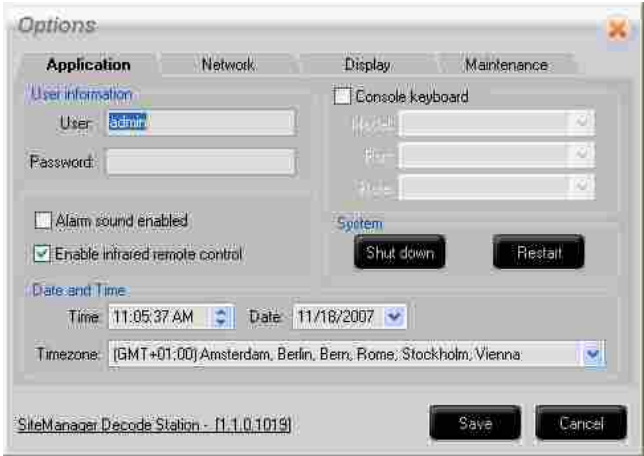
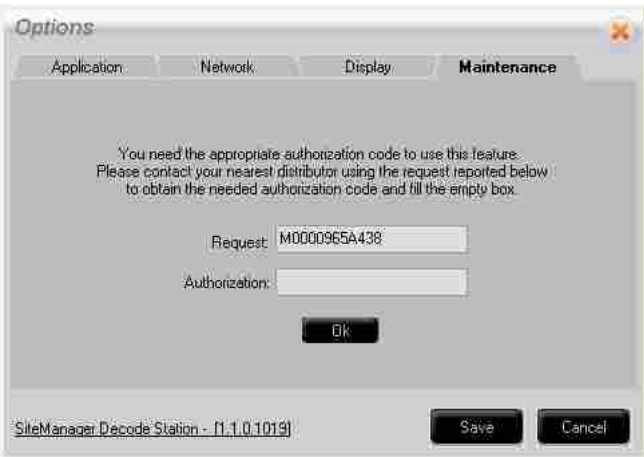
To shut down and reset CIEFFE SMDS units, follow the steps below.

Step	Action
1	<p>Click on Menu and then Options.</p> <p>Result: The 'login' window will be displayed.</p> <div data-bbox="804 920 1174 1200" data-label="Image">A screenshot of a 'Login' dialog box. The dialog has a title bar with the word 'Login' and a close button (an orange 'X'). Below the title bar are two text input fields: 'User:' and 'Password:'. At the bottom of the dialog are two buttons: 'Ok' and 'Cancel'.</div> <p>Note: If the toolbar is not displayed, double click anywhere on the CIEFFE SMDS screen.</p>

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Shut down and reset CIEFFE SMD, Continued

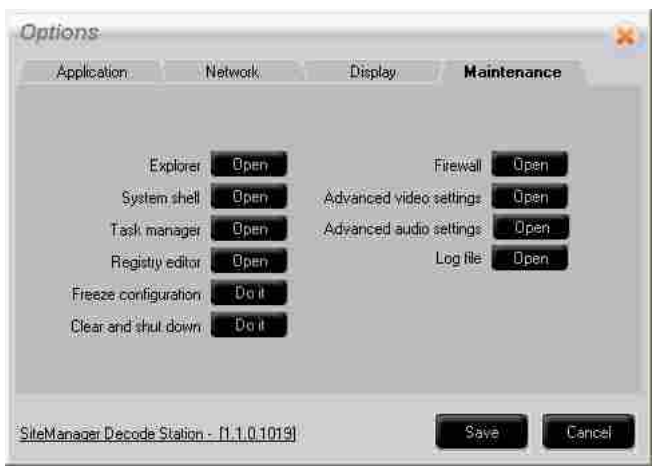
Procedure (continued)

Step	Action
2	<p>Enter the user name and password and click Ok.</p> <p>Result: The 'options – application' window will be displayed.</p> 
3	<p>Click Maintenance.</p> <p>Result: The 'options – maintenance' window will be displayed.</p> 

Continued on next page

Shut down and reset CIEFFE SMDS, Continued

Procedure (continued)

Step	Action
4	<p>You will now be required to contact your nearest CIEFFE office, quote the request code and obtain the necessary authorisation key.</p> <p>Note:</p> <p>! You will be required to contact CIEFFE every time you wish to access maintenance features.</p>
5	<p>Enter the authorisation key as advised by the CIEFFE technician and click Ok.</p> <p>Result:</p> <p>The 'options – maintenance_full' window will be displayed.</p> 
6	<p>THERE ARE NO WARNING MESSAGES. As soon as you click Clear and shut down, the unit will begin to shut down. Click Clear and shut down.</p> <p>Result:</p> <p>The CIEFFE SMDS unit will power down after a few moments and all configurative settings will be removed and return to the default factory settings.</p>

Contact information

For further information

If you have a specific query, suggestion or would like to have more information on any CIEFFE product or technology, we will be glad to assist. You will find your nearest CIEFFE office at the following locations:

<p>CIEFFE S.p.A. Via Laboratori Autobianchi, 1 Edificio 23 20033 Desio Milano ITALY</p> <p>Phone +39 0362 17935 Fax +39 0362 1793590 Web www.cieffe.com E-mail info@cieffe.com</p>	<p>CIEFFE (NZ) Ltd Gnd Floor, 180 Molesworth Street, P O Box 2789 Wellington, NEW ZEALAND</p> <p>Phone +64 (0) 4 471 - 2179 NZ Free phone 0800 PROXIMA Fax +64 (0) 4 473 - 8619 Web www.cieffe.co.nz E-mail info@cieffe.co.nz</p>
<p>CIEFFE (Australia) Pty Ltd Gnd Floor, 2b Lord Street Botany, NSW 2019 P O Box 324 Mascot, NSW 2020, AUSTRALIA</p> <p>Phone +61 (0) 2 9695 - 7293 Fax +61 (0) 2 9695 - 7294 Web www.cieffe.com.au E-mail info@cieffe.com.au</p>	<p>CIEFFE (UK) Ltd 60 Priestley Road Surrey Research Park Guildford Surrey GU2 7YS UNITED KINGDOM</p> <p>Phone +44 (0) 1483 300456 Fax +44 (0) 1483 301456 Web www.cieffe.co.uk E-mail info@cieffe.co.uk</p>
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