

# VISIONPOCKET



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## *User Guide v1.40*

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# Chapter 1: Introduction

## Overview

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

- CIEFFE,
- the innovative CIEFFE technology,
- CIEFFE products and
- CIEFFE system architecture.

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## About this user guide

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**Audience** This user guide is intended for the day-to-day as well as the advanced CIEFFE VisionPocket users.

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

If...	then...
a word describes a button	the word is presented in <b>bold</b> .  <b>Example:</b> Press <b>Save</b> in order to save the changes.
a window or a menu is described	the name of the window or menu is presented in quotes.  <b>Example:</b> The 'resource' window provides access to system resources.  <b>Note:</b> 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.
the information provided is of extreme importance and must be read carefully	it will be included in the " <b>Highly important information</b> " section.
crucial information is provided	an orange exclamation mark will precede the text.  <b>Example:</b> <b>!</b> For security reasons, you should immediately change the default user name and password.

### Highly important information

**!** A PDA can be set to either the press and hold or the double tap technique. This user guide will describe procedures assuming that the PDA is set to the press and hold technique.

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## About Cieffe

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### **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.

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# About CIEFFE software

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## Overview

The CIEFFE software suite consists of the following applications:

- CIEFFE RemoteControl,
  - CIEFFE RemoteView,
  - CIEFFE VisionWeb,
  - CIEFFE SiteManager and
  - CIEFFE VisionPocket.
- 

## CIEFFE RemoteControl

CIEFFE RemoteControl software accesses the whole Spectiva or Proxima interface to make full use of its functionality – video and audio live view and playback, search, export, configuration and PTZ control. CIEFFE RemoteControl allows you to access network connected Spectiva and Proxima servers and offers:

- full remote control of any single network connected CIEFFE DVMS and
- the ability to turn any PC workstation into a CIEFFE digital CCTV network client.

It is also used as a viewer for exported Wavelet video clips.

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## CIEFFE RemoteView

CIEFFE RemoteView software is a simple and intuitive interface used to control basic functions including live video/audio viewing and playback as well as full PTZ camera control, image search and image export. CIEFFE RemoteView is primarily used as a simple client to provide access to Spectiva and Proxima servers and a viewer of exported Wavelet video clips.

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## CIEFFE VisionWeb

CIEFFE VisionWeb software is Internet Explorer based client software used to remotely access CIEFFE DVMS, either via Internet or via LAN/WAN. CIEFFE VisionWeb offers full remote live viewing, playback, full PTZ camera control and bi-directional audio transmission for cameras connected to any single CIEFFE DVMS in the CIEFFE Digital CCTV network.

With CIEFFE VisionWeb, no special hardware or software is required – our client application runs within Internet Explorer browser window and all required components are automatically downloaded from the CIEFFE DVMS Server. With CIEFFE VisionWeb any PC workstation with Internet Explorer web browser can become a powerful client in the CIEFFE Digital CCTV Network.

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## About CIEFFE software, Continued

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### **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 and CIEFFE NETTUNO 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 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 or a screen activity video clip) for a permanent record of what happened.

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### **CIEFFE VisionPocket**

CIEFFE VisionPocket is a Pocket PC / Windows CE version of CIEFFE client software for use on Personal Digital Assistant devices. CIEFFE VisionPocket will remotely access any CIEFFE DVMS via wireless network in the corporate LAN/WAN environment or via the Internet.

CIEFFE VisionPocket provides video footage of extremely high visual quality over extremely low bandwidth. It is capable of delivering streaming live and recorded video and audio from any CIEFFE DVMS.

CIEFFE VisionPocket features include live view and playback of video and audio, image export, PTZ control and search.

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## Technical support

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### Technical support

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

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# Introduction to key technology concepts

## Overview

Possessing the knowledge of the key Digital CCTV technology concepts will enhance your ability to utilise CIEFFE products, including CIEFFE VisionPocket. The sections below provide a summary for each key technology concept.

## The Image Resolution Concept

Image resolution determines the visual quality of an image (i.e. the “sharpness” of an image). An image of higher resolution will always be sharper and have more detail than a lower resolution image.

For conventional analogue CCTV cameras, the maximum resolution they are able to capture is fixed at 720 horizontal pixels by 576 vertical pixels in PAL mode of operation (the maximum resolution for NTSC standard is 720 horizontal pixels by 480 vertical pixels). 4CIF (Four-CIF) video resolution is 720 x 576 pixels (PAL) and 720 x 480 pixels (NTSC). 4CIF video resolution is sometimes referred to FULL resolution or D1 resolution. Other common resolutions are 2CIF (Two-CIF), CIF and QCIF (Quarter-CIF). CIF is an abbreviation for Common Interchange Format. All resolutions less than 4CIF mean loss of information originally provided by the camera and result in objects which are smaller. CIF resolution is commonly used for record images by digital recorders unable to process real time video at full resolution in real time.

- 2CIF resolution is 720 x 288 pixels (PAL) and 720 x 240 pixels (NTSC).
- CIF resolution is 360 x 288 pixels (PAL) and 360 x 240 pixels (NTSC).
- QCIF resolution is 180 x 144 pixels (PAL) and 180 x 120 pixels (NTSC).

Apart from sharpness and the amount of detail, image resolution directly affects the size of an image presented on screen or paper. Higher resolution images will always give “bigger”, more detailed images on any given screen or paper.

### For example

Objects in a full resolution image are 4 times larger than the same objects in a CIF image and 16 times larger than the same objects in a QCIF image.

This directly determines the practical ability to use the recorded images for their intended purpose – identification of objects and events taking place in them.

Each image in its uncompressed state is defined by a large amount of data.

	Image Resolution		
	FULL	CIF	QCIF
<b>Resolution in pixels</b>	720 x 576 (PAL)	360 x 288 (PAL)	180 x 144 (PAL)
<b>Uncompressed Image Data Size (Horizontal res. x Vertical res. x 24 bit colour)</b>	9,953,280 bits (1,244 KB)	2, 488,320 bits (311 KB)	622,080 bits (77 KB)
<b>Data Volume and Relative Object size</b>	100%	25 %	6.25%
<b>Data Volume per 1 second of video @ 25 IPS</b>	31.1 MB	7.78 MB	1.93 MB

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# Introduction to key technology concepts, Continued

## The Image Resolution Concept (continued)

The figures below are provided so that you can observe the difference in visual quality between the three resolutions.

### FULL RESOLUTION

Notice the clarity of the letters and digits on the white car's number plate.



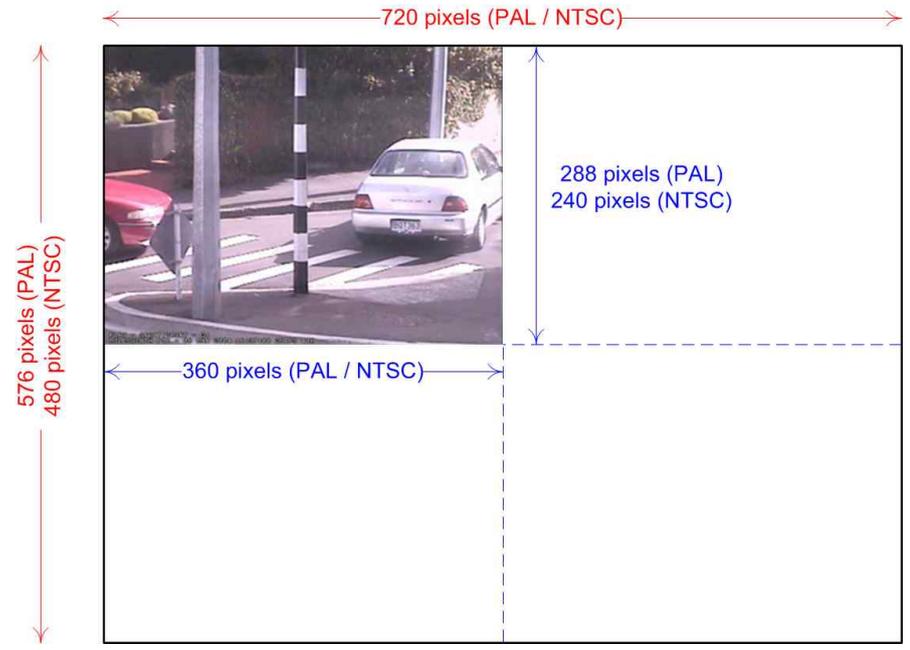
*Continued on next page*

# Introduction to key technology concepts, Continued

## The Image Resolution Concept (continued)

### CIF RESOLUTION

Compared with the Full resolution image, the letters and numbers on the white car's number plate are barely distinguishable.



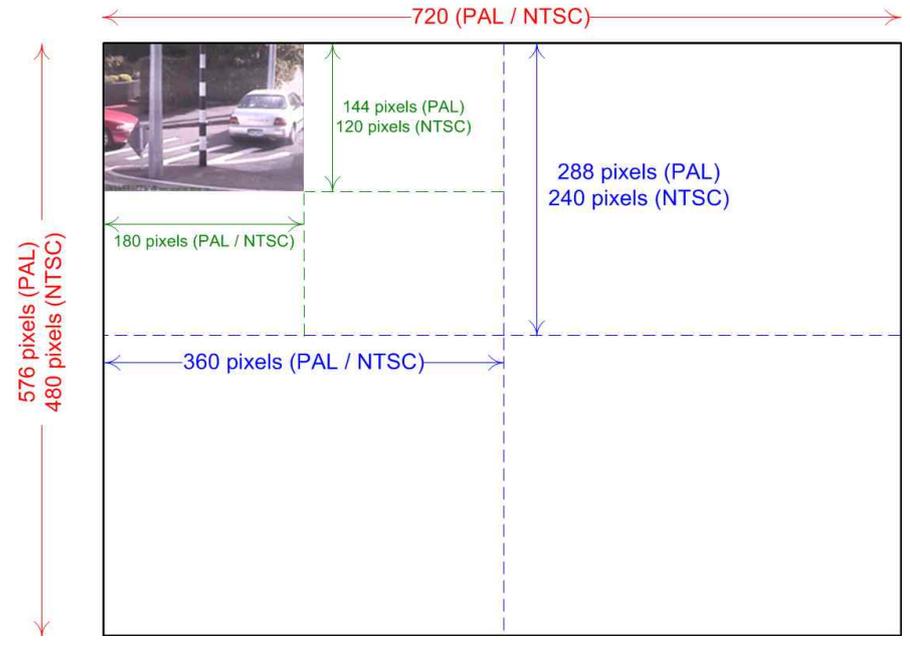
*Continued on next page*

# Introduction to key technology concepts, Continued

## The Image Resolution Concept (continued)

### QCIF RESOLUTION

Notice that the letters and numbers on the white car's number plate are not visible.



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## Introduction to key technology concepts, Continued

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### **The Images Per Second (IPS) Concept**

In general, the smoothness of video footage is directly related to the number of images per second.

Real time video has 25/30 (PAL/NTSC) IPS and to the viewer the video appears as smooth as watching TV or a movie. At 25 IPS, 25 discrete images are processed every second.

If the IPS rate is lower than 25 IPS, movement in the video footage will appear 'staggered' as fewer images are taken every second. As the IPS rate decreases so does the smoothness of video footage. At 1 IPS for example, only 1 discrete image is processed every second, significantly reducing the total number of images that need to be processed but decreasing the overall quality of video and therefore increasing the potential for missing events which occur quickly.

The 25 IPS rate is desirable at all times but as the IPS rate increases so does the cost of the capturing hardware (more images need to be captured in 1 second) and storage (higher volume of data per second).

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### **The Odd and Even Video Fields Concept**

Analogue video consists of 2 fields of video lines (an odd field and an even field) which are interleaved and offset from each other by a fraction of time. Digital images do not have fields and a Full resolution image (4CIF) will generally contain video detail information from both an odd and an even field thus creating a sharp looking image with no loss of detail.

Note that due to slight timing difference between an odd and an even field, interlacing effects are common when both fields are digitally displayed at once and that high quality digital video management systems will have filters in place to remove these artefacts and maintain high video quality at all times.

2CIF and lower resolutions generally capture video information from only 1 field.

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### **The Full Frame / Conditional Recording Concepts**

Digital video compression and recording techniques can be divided into:

- techniques that are based on conditional refresh i.e. record changes between two subsequent images with an occasional full frame (e.g. MPEG4, MPEG2, MJPEG) and
- techniques that compress and record full frame images at all times regardless of the image content (e.g. Wavelet).

Conditional refresh engines work on a principle of average amount of change in the image over time, relying on the amount of change per image not to exceed a certain amount (usually known as a bit rate). If the amount of change exceeds the allowance (or if the conditional refresh engine is not sufficiently powerful to process the amount of change in real time) the visual quality quickly deteriorates as the conditional engine tries to approximate changes while not exceeding the maximum rate of change it is allowed to use per unit of time.

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## Introduction to key technology concepts, Continued

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### **The Full Frame / Conditional Recording Concepts (continued)**

Another technological limitation of conditional refresh engines is the latency of compression. Conditional refresh engines in general tend to have very high latency i.e. live images are not compressed and delivered for transmission and recording in real time but with a significant delay. Cieffe's powerful DSP hardware platform provides sufficient processing power for both full frame and conditional refresh algorithms and eliminates all of the above issues – benefits of the conditional refresh recording are not diminished by the problems in resolution, number of images per second and/or latency.

In contrast to a conditional refresh approach, CIEFFE's Wavelet compression processes full-frame, full-resolution images, providing full resolution video of high quality.

All Cieffe compression algorithms deliver real time performance with very low latency (150 - 200 ms) and under all conditions – performance does not degrade with the amount of movement on a camera (hardware deterministically processes video information regardless of the content).

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### **The Video Compression Concept – Hardware DSP Compression**

Images have to be compressed before they are stored and transmitted because of today's storage and transmission limitations – 100 GB of hard drive disk space would store only 53 minutes of full resolution uncompressed digital video @ 25 IPS and a 56 Kbit/s modem connection would take approximately 3 min to transmit only 1 uncompressed image @ full resolution.

Compression is clearly the answer to the storage and transmission problems but compression itself presents a technical challenge if it is to deliver many high resolution, high definition images of small file sizes, in real time.

Compressing video data involves heavy computational work and the time available to do it in is very limited. If one considers that 25 new images occur every second for every camera and one takes into account the data sizes discussed previously (i.e. the higher the resolution and the IPS rate, the higher the volume of data) and the time that is available to do the compression (still limited to 1 second), one begins to understand why compression is such a critical factor for any digital recording platform.

Image compression can be hardware or software based. In general, hardware based compression is able to:

- compress images with consistent performance and minimum impact on the rest of the system and
  - achieve very high throughput of data per unit of time as the hardware is dedicated and optimised for the compression task i.e. many high resolution images can be compressed in real time.
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## Introduction to key technology concepts, Continued

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### **The Video Compression Concept – Hardware DSP Compression (continued)**

Conversely, a software based compression engine relies on the centralised CPU to provide the processing power. Since the CPU processing power used up for compression of images cannot be used by other parts of the system, the overall performance of the system (playback, network transmission, smart software features etc.) is significantly reduced. The maximum data throughput is also limited which forces most software based systems to reduce the volume of data (conditional refresh based compression and/or reduced image resolution and/or reduced IPS rate) in order to be able to process it in real time. However, as discussed earlier, this carries a penalty as reducing the image resolution also reduces image quality.

CIEFFE hardware is based on DSP hardware architecture providing native support for not one, but multiple hardware codecs that can be assigned different compression algorithms on a per camera basis thus eliminating what is possibly the only limitation of a hardware compression approach – its inability to be modified without physical hardware changes.

The latest generation of CIEFFE hardware and software provide a platform with multiple firmware-based virtual encoders which run on one or more physical encoder providing a platform which is capable of processing video simultaneously in up to 4 different ways for every camera.

The DSP approach delivers extreme levels of computing power in real time for every camera thus providing virtual encoders and a native support for full resolution, real time (25 IPS) support for Wavelet, Enpacta, MPEG4 Main Profile compression algorithms (addition of future new generations of compression codecs on the existing DSP hardware is also supported).

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### **Video Compression Codec – DSP Hardware Based Wavelet Enpacta and MPEG4 Compression**

CIEFFE's powerful DSP hardware engine running in Wavelet mode is capable of processing and compressing up to 400/480 (PAL/NTSC) full frame, full resolution images per second from multiple cameras with consistent performance regardless of image content or system activity thus providing compressed images of excellent visual quality with minimal or no visual artefacts.

In Enpacta mode (CIEFFE's proprietary 3-dimensional Wavelet compression), extreme levels of compression are applied to full resolution Wavelet images over time to deliver images of very high visual quality greatly reduced file size / bandwidth. In Enpacta mode, images of equivalent resolution and image quality to Wavelet mode are 4 - 6 times smaller allowing significant storage savings and much greater archive lengths. Enpacta codec is especially well suited (excellent visual quality and refresh rate) for real time 25 IPS, full resolution recording and transmission in low bandwidth environments (sub 1.5 - 2 Mbit/s).

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## Introduction to key technology concepts, Continued

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### **Video Compression Codec – DSP Hardware Based Wavelet Enpacta and MPEG4 Compression (continued)**

In MPEG4 Main Profile mode (CIEFFE's proprietary MPEG4 Main Profile compression), extreme levels of MPEG4 Main Profile compression are applied to obtain video streams of extremely high visual quality in relation to the image file size / bandwidth used. In MPEG4 mode, images of equivalent resolution and generally much better image quality than Wavelet are 3 - 20 times smaller allowing significant storage savings and much greater archive lengths of higher quality video. MPEG4 codec is especially well suited (excellent visual quality and refresh rate) for real time 25 IPS, full resolution recording and transmission in medium and high bandwidth environments (1.5 - 2 Mbit/s and above) where best possible visual quality is considered of most importance.

Maintaining relatively high visual quality with significant storage/bandwidth savings (down to 256 kbit/s) are possible with MPEG4 Main Profile running at 2CIF and CIF resolutions at 25 IPS or lower.

Compression, among other factors, is why CIEFFE DVMS units are capable of full resolution, full screen live and recorded images that are matching the visual quality of *live* analogue video.

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### **The Volume of Data for Storage and Transmission Concepts**

High quality digital video (high IPS, high resolution, full frame footage) is quite demanding in terms of storage (even when compressed) and requires a large amount of available disk space if it is to be recorded for long periods. The storage space requirement for digital video is directly proportional to:

the length of the archive (longer archive requires more space),  
the IPS rate (more IPS requires more space),  
the recorded image resolution (higher resolution requires more space),  
the type of compression (full frame compression often requires more space) and  
the level of compression (higher level of compression requires less space).

Clearly, video of high visual quality will require a large amount of space in its uncompressed state. Compression will greatly reduce this, however, even in its compressed state, high quality video still requires a considerable amount of space if it is to be stored for long periods of time.

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## Introduction to key technology concepts, Continued

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### **The Volume of Data for Storage and Transmission Concepts (continued)**

From a transmission perspective, in limited bandwidth environments, the video refresh rate and quality often suffer significantly as the limited bandwidth can only support a throughput of a few images of high resolution per second. Alternatively, the refresh rate can be improved at a great reduction in resolution and/or image quality.

CIEFFE Spectiva Digital Video Management System uses very powerful hardware based compression to maximise video quality of recording (e.g. 25 IPS, full resolution) at the server. For transmission needs, CIEFFE Spectiva DVMS uses proprietary Delta Wavelet or MPEG4 Adaptive compression to maintain high refresh rate and resolution even when access via low bandwidth. Spectiva analyses recorded or live images in real time and re-compresses them so as to be able to maintain the quality and significantly reduce the volume of transmitted data.

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### **Intelligent Real Time Analysis and Processing of Video**

All Digital Video Management Systems digitise and process live video in some way before recording it in the video archive. During this process, provided resources and efficient real time software is available, many additional features like motion detection, object movement analysis, event logic etc. can be provided.

CIEFFE Spectiva DVMS has extremely sophisticated built in activity detection capabilities. The neural network based motion detection engine provides an intelligent motion detection platform, able to handle very demanding camera environments such as external cameras with variable light and environmental conditions (e.g. rain, wind etc.) successfully (i.e. no false alarms and no missed movements). High motion detection accuracy is the result of the dynamic adjustment of the motion detector to the changing camera scene conditions.

Additionally, Spectiva's neural network based motion detector is capable of analysing live video in real time for objects, triggering motion based on various criteria e.g. object size, speed, direction and duration of movement.

CIEFFE DeePath® technology, based on discovering discrete objects in real time and tracking each discovered object individually in terms of their paths while they are in the view of the camera is built into every Spectiva model. CIEFFE DeePath® can analyse and track paths for all objects in real time and can be configured to recognise an object or a path that is of interest. The presence of this special object or path can be used to trigger an event on the system. CIEFFE DeePath®, with its object tracking and object behaviour model, associated parameters and custom event logic, allows Spectiva to analyse all incoming video and make intelligent recording and alarm decisions on its own in response to the video it is seeing.

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## Introduction to key technology concepts, Continued

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### **The Integrated Alarm Handling Concept**

Spectiva DVMS has a built in support for alarm handling. Alarms can be triggered in response to motion detection or a variety of other events such as darkening detection (camera failure), permanency detection, sudden light changes in camera view and tampering with fixed camera position. In addition to events, low level contact alarms are available which can be used to receive signals from third party devices. All alarm activity can be scheduled and alarm notification can be delivered in real time to multiple remotely connected clients.

CIEFFE Spectiva alarm recording is fully configurable in terms of IPS rate and resolution per camera per alarm.

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### **The Integrated Auxiliary Handling Concept**

Spectiva DVMS has a built in support for auxiliary relay handling. Auxiliaries can be triggered in response to motion detection or a variety of other events such as darkening detection (camera failure), permanency detection, sudden light changes in camera view and tampering with fixed camera position among many others. In addition to events, low level aux relays are available to send signals to third party devices. All auxiliary activity can be scheduled and trigger notification can be delivered in real time to multiple remotely connected clients.

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### **The Remote Network Access Concept**

One of the great advantages Digital CCTV holds over conventional video recording technologies is the networking ability it offers. As Digital CCTV is an extension of more common computer models and architectures, Digital CCTV networks are very similar to the computer networks, allowing amazing functionality to be performed remotely, from another office or from another continent. Network-capable CCTV architectures generally largely follow the server-client computer model, where the server accepts all the cameras and records incoming video and the client is used to access live or recorded video and, in better implementations, fully control and maintain the server.

CIEFFE Spectiva DVMS architecture is extremely network aware – it allows:

- remote client access of live/recorded material,
- remote control of the server configuration and
- storage expansion via network attached storage devices.

CIEFFE architecture supports multiple network interfaces and is based on a true client-server model allowing complete remote access and control of any server from one or more remote PC workstations via any kind of TCP/IP network. Performance on the remote end will generally be equivalent or better than at the server, depending on the PC workstation hardware resources, the available network bandwidth and configuration of the Spectiva DVMS server.

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## Chapter 2: CIEFFE VisionPocket Installation Procedures

### Overview

This chapter provides information about the tasks that must be executed in order to get CIEFFE VisionPocket up and running prior to utilising its full functionality. The information presented includes:

- the initial installation procedure,
- details about the 'setup' screen and
- information about creating server connections.

#### Highly important information

- ! CIEFFE VisionPocket can be connected to the following CIEFFE DVMS servers:
  - Spectiva v2.xx
  - Spectiva v1.xx,
  - Nettuno encoder,
  - Linearis,
  - Proxima v3.xx and
  - Proxima v2.xx.
- ! CIEFFE VisionPocket does not support connections to Proxima v1 servers.

Topic	Page
Installing CIEFFE VisionPocket	20
Logging into CIEFFE VisionPocket	25
Configuring CIEFFE VisionPocket server connections	27
Deleting a server connection	32

# Installing CIEFFE VisionPocket

## Overview

CIEFFE VisionPocket is a Pocket PC / Windows CE version of CIEFFE client software for use on Personal Digital Assistant devices. CIEFFE VisionPocket will remotely access any CIEFFE DVMS via wireless network in the corporate LAN/WAN environment or via the Internet.

CIEFFE VisionPocket provides video footage of extremely high visual quality over extremely low bandwidth. It is capable of delivering streaming live and recorded video and audio from any CIEFFE DVMS.

CIEFFE VisionPocket features include live view and playback of video and audio, image export, PTZ control and search.

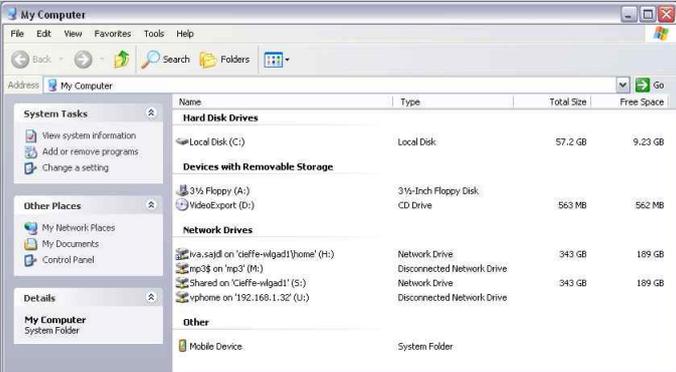
Before you may utilise CIEFFE VisionPocket and connect to a Spectiva or a Proxima v3 server, you must first install CIEFFE VisionPocket on your PDA.

### Note:

The CIEFFE Software CD will give you access to CIEFFE VisionPocket which has been purchased from CIEFFE.

## Procedure

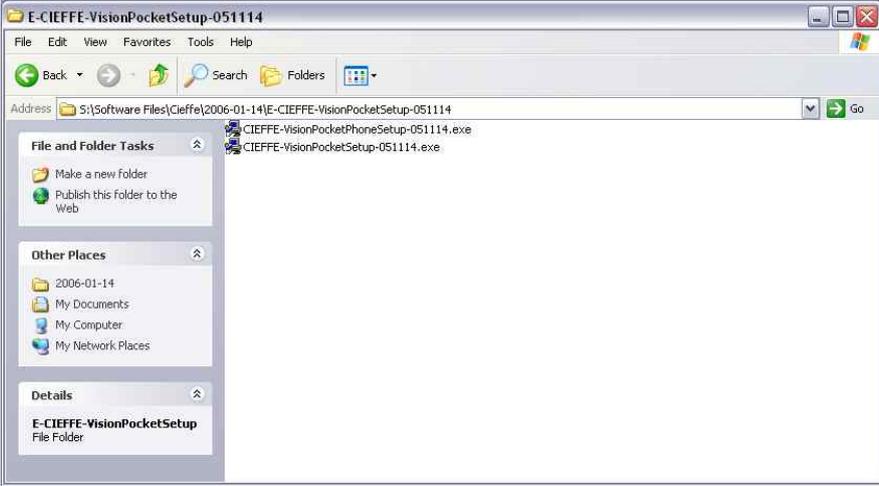
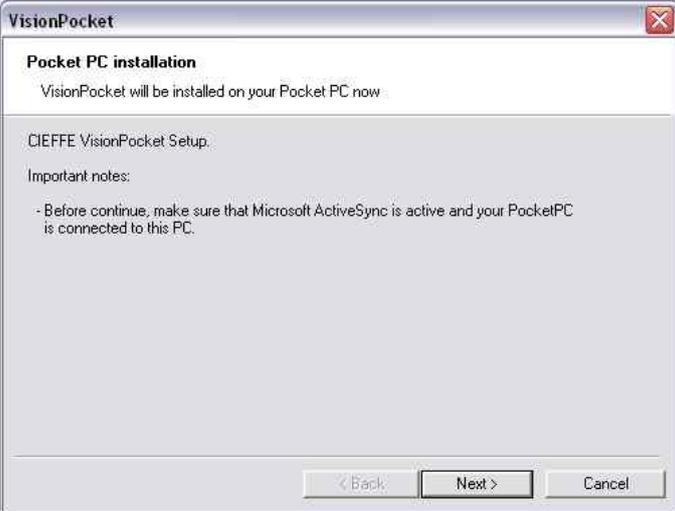
To install CIEFFE VisionPocket on your PDA, follow the steps below.

Step	Action
1	! Ensure that your PDA is connected to a client PC as per the instructions of the PDA manufacturer.
2	! Ensure that Microsoft ActiveSync is running on the client PC.  <b>Note:</b> ! If Microsoft Active Sync is not active at the time of installation, CIEFFE VisionPocket will not be successfully installed on your PDA.
3	Insert the provided CIEFFE Software CD in the CD – RW drive.
4	<p>             Double click <b>My Computer</b> .         </p> <p><b>Result:</b> The 'My Computer' window opens.</p> 

*Continued on next page*

# Installing CIEFFE VisionPocket, Continued

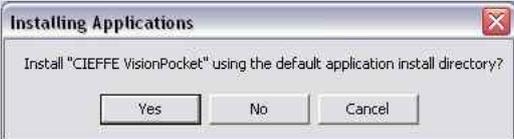
## Procedure (continued)

Step	Action
5	<p>Double click the <b>CIEFFE Software</b> icon.</p> <p><b>Result:</b> The 'Cieffe software' screen will be displayed.</p>  <p><b>Note:</b> The contents of the CIEFFE Software CD will vary depending on which CIEFFE software has been purchased.</p>
6	<p>Double click on <b>CIEFFE VisionPocket</b>.</p> <p><b>Result:</b> The following window will be displayed.</p> 

*Continued on next page*

## Installing CIEFFE VisionPocket, Continued

### Procedure (continued)

Step	Action						
7	<p>Click <b>CIEFFE Software</b>.</p> <p><b>Result:</b> The following window will be displayed.</p> 						
8	<p>! Carefully read the License Agreement.</p>						
9	<p>Select "I accept the terms in the license agreement". Click <b>Finish</b>.</p> <p><b>Note:</b> <b>Finish</b> will not become enabled until you have accepted the terms of the Licence Agreement.</p> <p><b>Result:</b> Wait for a few moments until the following window is displayed.</p> 						
10	<table border="1" data-bbox="571 1711 1409 1917"> <thead> <tr> <th data-bbox="571 1711 1046 1744">If you wish to...</th> <th data-bbox="1046 1711 1409 1744">then...</th> </tr> </thead> <tbody> <tr> <td data-bbox="571 1744 1046 1816">install CIEFFE VisionPocket in the default application directory</td> <td data-bbox="1046 1744 1409 1816">click <b>Yes</b> and go to step 13.</td> </tr> <tr> <td data-bbox="571 1816 1046 1917">install CIEFFE VisionPocket in a directory other than the default application directory</td> <td data-bbox="1046 1816 1409 1917">click <b>No</b> and continue to step 11.</td> </tr> </tbody> </table>	If you wish to...	then...	install CIEFFE VisionPocket in the default application directory	click <b>Yes</b> and go to step 13.	install CIEFFE VisionPocket in a directory other than the default application directory	click <b>No</b> and continue to step 11.
If you wish to...	then...						
install CIEFFE VisionPocket in the default application directory	click <b>Yes</b> and go to step 13.						
install CIEFFE VisionPocket in a directory other than the default application directory	click <b>No</b> and continue to step 11.						

Continued on next page

## Installing CIEFFE VisionPocket, Continued

### Procedure (continued)

Step	Action
11	<p>Click <b>No</b>.</p> <p><b>Result:</b> The following window will be displayed.</p> 
12	<p>Select the preferred destination and click <b>Ok</b>.</p> <p><b>Result:</b> Please see the next step.</p>
13	<p>The following window will be displayed.</p> 
14	<p>Wait for a few moments until CIEFFE VisionPocket is installed and the following window is displayed.</p> 
15	<p>Check the PDA and then click <b>Ok</b>.</p> <p><b>Result:</b> The window will disappear and CIEFFE VisionPocket will be installed on your PDA.</p>

*Continued on next page*

## Installing CIEFFE VisionPocket, Continued

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### Procedure (continued)

Step	Action
<b>16</b>	<p>Check that the application has been installed by accessing the destination directory on the PDA and observing the CIEFFE VisionPocket icon.</p>  <p>The screenshot shows a PDA's 'Programs' menu. The title bar reads 'Programs' with a volume icon and the time '5:47'. The menu contains several icons: Games, Calculator, CIEFFE VisionPock..., File Explorer, iPAQ Backup, iPAQ Image Viewer, iTask, Microsoft Reader, MSN Messenger, Pictures, Pocket Excel, and Pocket MSN. The 'CIEFFE VisionPock...' icon is highlighted in the top right corner.</p>
<b>17</b>	It is recommended that you reset your PDA.
<b>18</b>	You are now ready to use CIEFFE VisionPocket!

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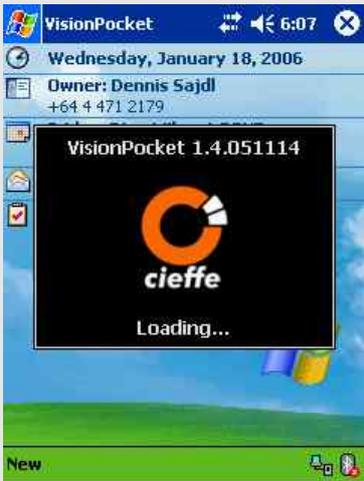
# Logging into CIEFFE VisionPocket

**Overview**

The procedure below describes how to log into CIEFFE VisionPocket on a PDA.

**Procedure**

To log into CIEFFE VisionPocket, follow the steps below.

Step	Action
1	<ul style="list-style-type: none"> <li>➤ Access the <b>Programs</b> folder on your PDA and locate the <b>CIEFFE VisionPocket</b> icon or</li> <li>➤ Access the <b>CIEFFE VisionPocket</b> icon in the PDA's <b>Start</b> toolbar.</li> </ul> 
2	<p>Press the <b>CIEFFE VisionPocket</b> icon.</p> <p><b>Result:</b> The CIEFFE VisionPocket application will begin to load and the following will be displayed.</p> 

*Continued on next page*

## Logging into CIEFFE VisionPocket, Continued

### Procedure (continued)

Step	Action
3	<p>After a few moments, the CIEFFE VisionPocket application will be started and the 'login' screen will be displayed.</p> 
4	<p>Press:</p> <ul style="list-style-type: none"><li>➤  or</li><li>➤  and then select <b>Connection manager</b>.</li></ul> <p><b>Result:</b> The initial 'setup' screen will be displayed.</p>  <p><b>Note:</b> Please <b>refer</b> to 'Configuring CIEFFE VisionPocket server connections' (pg. 27 - 31) for detailed information about creating server connections.</p>

# Configuring CIEFFE VisionPocket server connections

## Overview

When CIEFFE VisionPocket is installed on a PDA for the first time, you must create a connection to each server you wish to be able to connect to.

## Highly important information

! You must create the user(s) on the server (Spectiva v1.xx or v2.xx / Linearis / Proxima v2.xx or v3.xx / Nettuno encoder) before creating server connection(s) on a PDA. Otherwise, you will only be able to create a server connection using the admin specifications.

For detailed information about creating user accounts, please refer to:

- 'Spectiva Installation Guide v1.xx' or
- 'Spectiva Installation Guide v2.xx' or
- 'Linearis Installation Guide v1.xx' or
- 'Proxima Installation Guide v2.xx' or
- 'Proxima Installation Guide v3.xx' or
- 'CIEFFE Nettuno User Guide v1.xx'.

! You must create server connections separately for each PDA.

! You must create a server connection separately for each CIEFFE DVMS server.

## Procedure

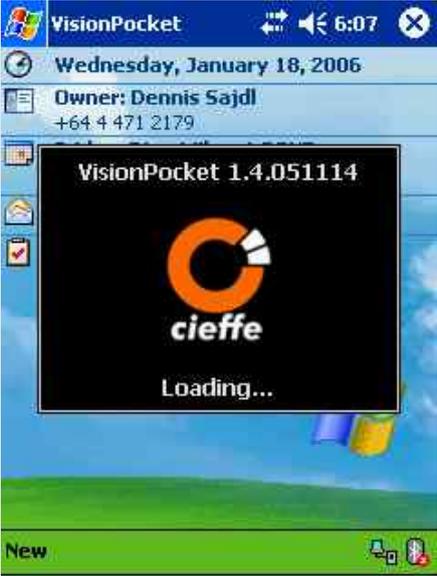
To configure CIEFFE VisionPocket server connections, follow the steps below.

Step	Action
1	<p>➤ Access the <b>Programs</b> folder on your PDA and locate the <b>CIEFFE VisionPocket</b> icon or</p> <p>➤ Access the <b>CIEFFE VisionPocket</b> icon in the PDA's <b>Start</b> toolbar.</p>  A screenshot of a PDA's 'Programs' folder. The window title is 'Programs' and the time is 5:47. The folder contains several icons: Games, Calculator, CIEFFE VisionPock..., File Explorer, iPAQ Backup, iPAQ Image Viewer, iTask, Microsoft Reader, MSN Messenger, Pictures, Pocket Excel, and Pocket MSN. The CIEFFE VisionPock... icon is highlighted.

Continued on next page

## Configuring CIEFFE VisionPocket server connections, Continued

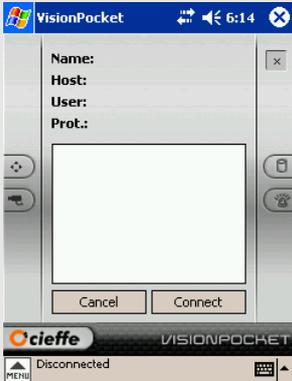
### Procedure (continued)

Step	Action
2	<p>Press the <b>CIEFFE VisionPocket</b> icon.</p> <p><b>Result:</b> The CIEFFE VisionPocket application will begin to load and the following will be displayed.</p> 
3	<p>After a few moments, the CIEFFE VisionPocket application will be started and the 'login' screen will be displayed.</p> 

*Continued on next page*

## Configuring CIEFFE VisionPocket server connections, Continued

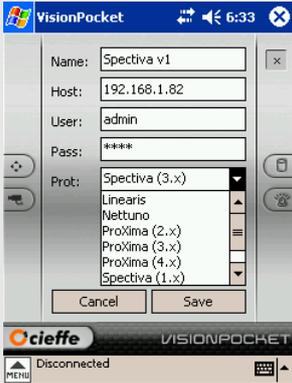
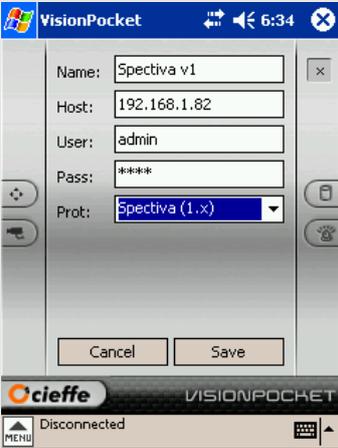
### Procedure (continued)

Step	Action
4	<p>Press:</p> <ul style="list-style-type: none"> <li>➤  or</li> <li>➤  and then select <b>Connection manager</b>.</li> </ul> <p><b>Result:</b> The initial 'setup' screen will be displayed.</p>  <p><b>Note:</b> Please <b>refer</b> to 'Configuring CIEFFE VisionPocket server connections' (pg. 27 - 31) for detailed information about creating server connections.</p>
5	<p>In the white section of the screen hold down the PDA pointer.</p> <p><b>Result:</b> The 'server' menu will be displayed.</p>
6	<p>Select <b>New</b>.</p> <p><b>Result:</b> The following 'setup' screen will be displayed.</p> 

*Continued on next page*

## Configuring CIEFFE VisionPocket server connections, Continued

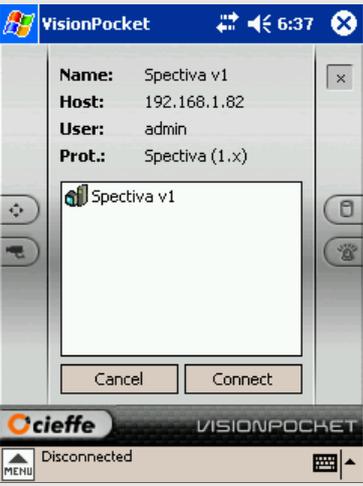
### Procedure (continued)

Step	Action
7	<p>Type in:</p> <ul style="list-style-type: none"> <li>➤ the server name in the <b>Name:</b> text box and</li> <li>➤ the server's IP address in the <b>Host:</b> text box,</li> <li>➤ the login name in the <b>User:</b> text box and</li> <li>➤ the login password in the <b>Pass:</b> text box.</li> </ul> <p><b>Note:</b> Use the keyboard icon in the bottom right hand corner to access the PDA keyboard as needed.</p>
8	<p>Press the <b>Prot:</b> dropdown bar.</p> <p><b>Result:</b> The 'protocol' menu will be displayed.</p> 
9	<p>Utilise the 'protocol' menu scroll bar and select the appropriate protocol.</p> <p><b>Result:</b> The 'protocol' menu will disappear.</p> 

Continued on next page

## Configuring CIEFFE VisionPocket server connections, Continued

### Procedure (continued)

Step	Action
<b>10</b>	<p>Press .</p> <p><b>Result:</b> The server will be added to the server list.</p>  <p><b>Note:</b> If you do not press <b>Save</b>, the configured server connection will not be available once you exit the 'setup' screen.</p>
<b>11</b>	Repeat steps 6 – 10 for each server connection you wish to create.

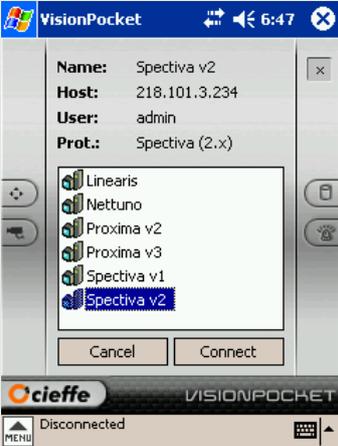
# Deleting a server connection

## Overview

At times you may need to remove certain server connections. The deletion procedure is simple and easy.

## Procedure

To delete a server connection, follow the steps below.

Step	Action
<p><b>1</b></p>	<p>Press:</p> <ul style="list-style-type: none"> <li>➤  or</li> <li>➤  and then select <b>Connection manager</b>.</li> </ul> <p><b>Result:</b> The 'setup' screen will be displayed and all the configured servers will be listed.</p> 
<p><b>2</b></p>	<p>Press on the <b>Server</b> you wish to delete.</p> <p><b>Result:</b> The server's details will be displayed.</p> 

*Continued on next page*

## Configuring CIEFFE VisionPocket server connections, Continued

### Procedure (continued)

Step	Action
3	<p>From the server list hold down the PDA pointer on the <b>Server</b> which you wish to remove.</p> <p><b>Result:</b> The 'server' menu will be displayed.</p>
4	<p>Select <b>Delete</b>.</p> <p><b>Result:</b> The following message will be displayed.</p> <div data-bbox="860 810 1115 1003" style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p style="background-color: #000080; color: white; padding: 2px;"><b>Delete</b></p> <p>Do you really want do delete "Spectiva v2"?</p> <p style="text-align: center;"> <input type="button" value="OK"/> <input type="button" value="Cancel"/> </p> </div>
5	<p>Press <b>Yes</b>.</p> <p><b>Result:</b> The selected server will be removed from the server list.</p> <div data-bbox="746 1167 1230 1803" style="border: 1px solid gray; padding: 10px; width: fit-content; margin: 10px auto;"> <p>The screenshot shows the VisionPocket application window. At the top, the title bar reads 'VisionPocket' with system icons on the right. Below the title bar, the following server details are displayed:</p> <ul style="list-style-type: none"> <li><b>Name:</b> Spectiva v1</li> <li><b>Host:</b> 192.168.1.82</li> <li><b>User:</b> admin</li> <li><b>Prot.:</b> Spectiva (1.x)</li> </ul> <p>Below these details is a list of servers with icons:</p> <ul style="list-style-type: none"> <li>Linearis</li> <li>Nettuno</li> <li>Proxima v2</li> <li>Proxima v3</li> <li>Spectiva v1 (highlighted)</li> </ul> <p>At the bottom of the list are two buttons: 'Cancel' and 'Connect'. The bottom of the application window features the 'cieffe' logo, the text 'VISIONPOCKET', and a status bar that says 'Disconnected'.</p> </div>

## Chapter 3: Utilising CIEFFE VisionPocket

### Overview

This chapter provides detailed information about how to use the features available to CIEFFE VisionPocket.

The CIEFFE VisionPocket software has been designed to require very little training in its use. The graphic user interface (GUI) allows access to the following:

- the 'main' screen,
- the 'camera selection panel' screen,
- the 'PTZ panel' screen,
- the 'setup' screen,
- the 'find' panel and
- the 'save' panel' screen.

#### Highly important information

! CIEFFE VisionPocket can be connected to the following CIEFFE DVMS servers:

- Spectiva v2.xx
- Spectiva v1.xx,
- Nettuno encoder,
- Linearis,
- Proxima v3.xx and
- Proxima v2.xx.

! CIEFFE VisionPocket does not support connections to Proxima v1 servers.

Topic	Page
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Exiting CIEFFE VisionPocket	100

# CIEFFE VisionPocket 'main' screen

## Overview

The 'main' screen provides access to CIEFFE VisionPocket features and screens.

### Note:

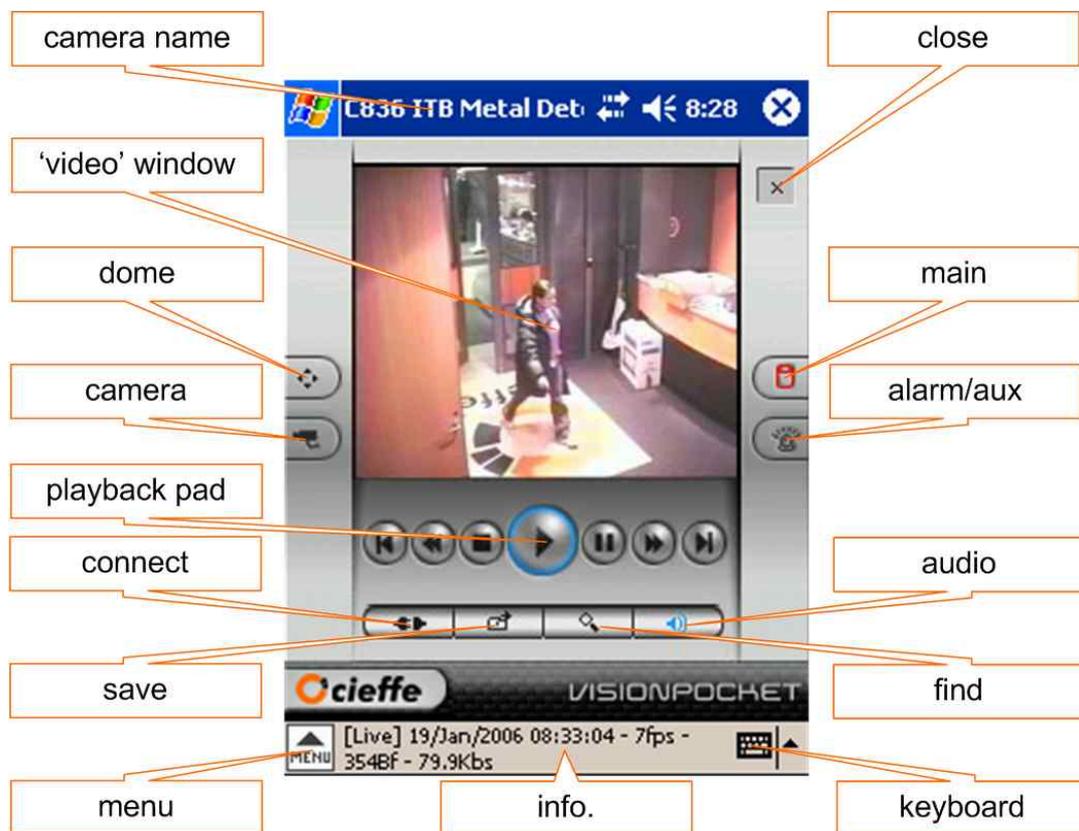
! A dynamic info. bar is present at the bottom of the PDA screen when you are logged into CIEFFE VisionPocket and displays:

- the system status,
- the Keyboard icon,
- camera information and
- the mode (live or playback).

## The 'main' screen

Refer to the figure below. The 'main' screen can be split into the following:

- camera name,
- 'video' window,
- the Dome button,
- the Camera button,
- playback pad,
- the Connect button,
- the Save button,
- the Menu button,
- info. bar,
- the Keyboard button,
- the Find button,
- the Audio button,
- the Alarm/Aux button,
- the Main button and
- the Close button.



Continued on next page

## CIEFFE VisionPocket 'main' screen, Continued

### Buttons and features

A brief description of each feature on the CIEFFE VisionPocket 'main' screen is provided in the table below.

Button/feature	Function
Camera name	Displays the name of the camera which is currently displayed when CIEFFE VisionPocket is connected to a server.
	Displays live or played back video clips and images.
	If the camera is PTZ enabled, accesses the 'PTZ panel' screen where you can utilise the PTZ controls and move the selected camera to preset positions or according to preset tours.
	Displays the 'camera selection panel' screen, allowing you to select which camera you wish to view in the 'video' window.
	Provides standard video controls that allow you to play back recorded video clips.
	Displays the 'setup' screen, allowing you to: <ul style="list-style-type: none"> <li>➤ create, edit and delete server connections and</li> <li>➤ connect to a CIEFFE DVMS server.</li> </ul>
	Displays the 'save' panel, allowing you to export a still image as a .bmp, .png or .jpeg file.
	Allows you to access the CIEFFE VisionPocket menu. The menu allows you to: <ul style="list-style-type: none"> <li>➤ disconnect from a CIEFFE DVMS server,</li> <li>➤ quit CIEFFE VisionPocket,</li> <li>➤ select a camera for display,</li> <li>➤ utilise the playback commands,</li> <li>➤ enable and disable the Video adaptive mode,</li> <li>➤ select the transmitted image resolution,</li> <li>➤ select the transmitted image quality,</li> <li>➤ utilise came dome presets and tours,</li> <li>➤ save a still image and</li> <li>➤ access the 'setup' screen (connection Manager).</li> </ul> <p><b>Note:</b> Please refer to 'Image quality and video adaptive mode' (pg. 50 - 55) for additional details about the Video adaptive mode.</p>

*Continued on next page*

## CIEFFE VisionPocket 'main' screen, Continued

### Buttons and features (continued)

Button/feature	Function
Info. bar	Dynamically provides information about the system status, system mode and camera information.
	Allows you to access the keyboard and enter all the server connection details.
	Accesses the 'find' panel and allows you to search the recorded footage of the camera whose video footage and audio is currently being played back.
	Allows you to turn the enabled audio channel(s) on or off.
	Displays the 'alarm/aux panel' screen, allowing you to: <ul style="list-style-type: none"> <li>➤ monitor the status of all alarms and auxiliaries of the server you are connected to and</li> <li>➤ turn auxiliaries on and off.</li> </ul>
	Displays the 'main' screen, allowing you to: <ul style="list-style-type: none"> <li>➤ select the camera you wish to view,</li> <li>➤ manoeuvre camera domes,</li> <li>➤ playback recorded video footage and audio,</li> <li>➤ access the 'setup' screen,</li> <li>➤ save a still image,</li> <li>➤ search the recorded video footage and audio and</li> <li>➤ turn the audio channel(s) on and off.</li> </ul>
	Allows you to close the CIEFFE VisionPocket application.

# Connecting to a server

## Overview

- The procedures below describe how to:
- access CIEFFE VisionPocket on a PDA and
  - connect to a CIEFFE DVMS server.

### Note:

**Refer** to 'Configuring CIEFFE VisionPocket server connections' (pg. 27 - 31) for information about creating server connections.

## Highly important information

- ! CIEFFE VisionPocket can be connected to the following CIEFFE DVMS servers:
  - Spectiva v2.xx
  - Spectiva v1.xx,
  - Nettuno encoder,
  - Linearis,
  - Proxima v3.xx and
  - Proxima v2.xx.
- ! CIEFFE VisionPocket does not support connections to Proxima v1 servers.

## Procedure

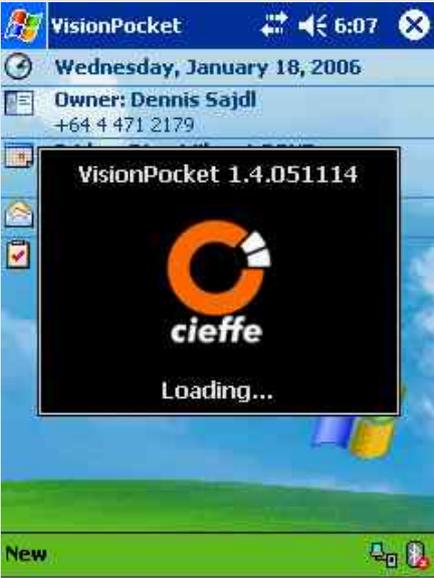
To log into CIEFFE VisionPocket and connect to a server, follow the steps below.

Step	Action
1	<ul style="list-style-type: none"> <li>➤ Access the <b>Programs</b> folder on your PDA and locate the <b>CIEFFE VisionPocket</b> icon or</li> <li>➤ Access the <b>CIEFFE VisionPocket</b> icon in the PDA's <b>Start</b> toolbar.</li> </ul> 

*Continued on next page*

## Connecting to a server, Continued

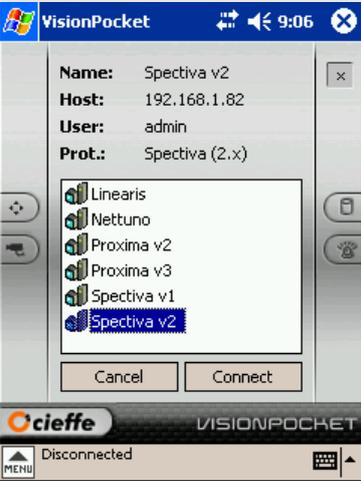
### Procedure (continued)

Step	Action
2	<p>Press the <b>CIEFFE VisionPocket</b> icon.</p> <p><b>Result:</b> The CIEFFE VisionPocket application will begin to load and the following will be displayed.</p> 
3	<p>After a few moments, the CIEFFE VisionPocket application will be started and the 'login' screen will be displayed.</p> 

*Continued on next page*

## Connecting to a server, Continued

### Procedure (continued)

Step	Action
4	<p>Press:</p> <ul style="list-style-type: none"><li>➤  or</li><li>➤  and then select <b>Connection manager</b>.</li></ul> <p><b>Result:</b> The 'setup' screen will be displayed.</p>  <p><b>Note:</b> Please <b>refer</b> to 'Configuring CIEFFE VisionPocket server connections' (pg. 27 - 31) for detailed information about creating server connections.</p>
5	<p>Press the <b>Server</b> you wish to connect to in the server list.</p> <p><b>Result:</b> The server will be highlighted and the selected server's connection settings will be displayed.</p>

*Continued on next page*

## Connecting to a server, Continued

### Procedure (continued)

Step	Action
6	<p>Connect to the server by:</p> <ul style="list-style-type: none"><li>➤ pressing the <b>Server</b> you wish to connect to in the server list and then pressing <input type="button" value="Connect"/> or</li><li>➤ pressing and holding down on the <b>Server</b> you wish to connect to in the server list and selecting <b>Connect</b> from the 'server' menu.</li></ul> <p><b>Result:</b> After a few moments the connection with the server will be established and the 'main' screen will be displayed.</p>  <p><b>Note:</b></p> <ul style="list-style-type: none"><li>➤ The name of the currently displayed camera will be displayed in the top left hand corner.</li><li>➤ The system mode, date, time, image (frame) rate and image file size will be displayed in the info. bar.</li></ul>

# Disconnecting from a server

## Overview

The procedures below describe how to disconnect from the CIEFFE DVMS server you are connected to.

### Note:

**Refer** to 'Configuring CIEFFE VisionPocket server connections' (pg. 27 - 31) for information about creating server connections.

## Procedure

To disconnect from a server, follow the steps below.

Step	Action						
1	Press  .  <b>Result:</b> The 'system' menu will be displayed.						
2	Select <b>Disconnect</b> .  <b>Result:</b> CIEFFE VisionPocket will be disconnected from the server.						
3	<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>connect to a different server</td> <td>follow steps 4 – 6 on pages 40 and 41.</td> </tr> <tr> <td>exit CIEFFE VisionPocket</td> <td> <ul style="list-style-type: none"> <li>➤ press  or</li> <li>➤ press  and select <b>Quit</b>.</li> </ul>   <b>Result:</b>            The CIEFFE VisionPocket application will close.         </td> </tr> </tbody> </table>	If you wish to...	then...	connect to a different server	follow steps 4 – 6 on pages 40 and 41.	exit CIEFFE VisionPocket	<ul style="list-style-type: none"> <li>➤ press  or</li> <li>➤ press  and select <b>Quit</b>.</li> </ul> <b>Result:</b> The CIEFFE VisionPocket application will close.
If you wish to...	then...						
connect to a different server	follow steps 4 – 6 on pages 40 and 41.						
exit CIEFFE VisionPocket	<ul style="list-style-type: none"> <li>➤ press  or</li> <li>➤ press  and select <b>Quit</b>.</li> </ul> <b>Result:</b> The CIEFFE VisionPocket application will close.						

# Camera selection

## Overview

CIEFFE VisionPocket allows you to access any camera connected to a Spectiva / Linearis / Proxima server or Nettuno encoder. Once you have selected the camera you wish to display, you can:

- view the camera's live video footage and audio,
- view the camera's playback video footage and audio,
- utilise the camera's PTZ controls (if the selected camera is a PTZ camera dome),
- search through the camera's recorded video footage and audio and
- save a still image.

### Note:

! You can view a camera by using the **Camera** button or the **Menu** button. Note that, you can use the **Menu** button to display a camera regardless of the screen displayed.

- For additional information, please refer to:
  - 'Playing back video footage and audio' (pg. 67 - 75),
  - 'Pan / tilt / zooming a camera' (pg. 59 - 60),
  - 'Finding a particular image' (pg. 76 - 80) and
  - 'Saving a still image' (pg. 82 - 91).

## Procedure

To select a camera using the **Camera** button, follow the steps below.

Step	Action
1	<p>Press .</p> <p><b>Result:</b> The 'camera selection panel' screen will be displayed and the <b>Camera</b> button will become blue.</p> 

*Continued on next page*

## Camera selection, Continued

### Procedure (continued)

Step	Action
2	<p>Select the camera you wish to view by:</p> <ul style="list-style-type: none"><li>➤ pressing the required <b>Camera</b> button or</li><li>➤ utilising the dropdown bar and pressing the required <b>Camera</b>.</li></ul> <p><b>Result:</b></p> <p>The selected camera's live video footage will be displayed in the 'video' window and the camera's name will be displayed in the top left hand corner of the screen.</p>  <p><b>Note:</b></p> <p>You will hear the camera's live audio if:</p> <ul style="list-style-type: none"><li>➤ the displayed camera has been configured with an audio channel,</li><li>➤ the audio channel is turned on,</li><li>➤ live audio is present at the time of viewing the camera's live video footage and</li><li>➤ the PDA's audio settings are configured correctly.</li></ul>

*Continued on next page*

## Camera selection, Continued

**Procedure** To select a camera using the **Menu** button, follow the steps below.

Step	Action						
1	Press  .  <b>Result:</b> The 'system' menu will be displayed.						
2	Select <b>Source</b> .  <b>Result:</b> The 'source 1' menu will be displayed.						
3	<table border="1" data-bbox="571 786 1407 1435"> <thead> <tr> <th data-bbox="571 786 914 853">If the camera you wish to view...</th> <th data-bbox="914 786 1407 853">then select...</th> </tr> </thead> <tbody> <tr> <td data-bbox="571 853 914 920">is present in the 'source 1' menu</td> <td data-bbox="914 853 1407 920">the <b>Camera</b> you wish to view.</td> </tr> <tr> <td data-bbox="571 920 914 1435">is NOT in the 'source 1' menu</td> <td data-bbox="914 920 1407 1435"> <b>More cameras.</b>   <b>Result:</b>            The 'source 2' menu will be displayed.             Select the <b>Camera</b> you wish to view.   <b>Note:</b>            ! If you are connected to a Spectiva v2.xx server, you may need to repeat this process in order to access the 'source 3' and 'source 4' menus.         </td> </tr> </tbody> </table>	If the camera you wish to view...	then select...	is present in the 'source 1' menu	the <b>Camera</b> you wish to view.	is NOT in the 'source 1' menu	<b>More cameras.</b>  <b>Result:</b> The 'source 2' menu will be displayed.  Select the <b>Camera</b> you wish to view.  <b>Note:</b> ! If you are connected to a Spectiva v2.xx server, you may need to repeat this process in order to access the 'source 3' and 'source 4' menus.
If the camera you wish to view...	then select...						
is present in the 'source 1' menu	the <b>Camera</b> you wish to view.						
is NOT in the 'source 1' menu	<b>More cameras.</b>  <b>Result:</b> The 'source 2' menu will be displayed.  Select the <b>Camera</b> you wish to view.  <b>Note:</b> ! If you are connected to a Spectiva v2.xx server, you may need to repeat this process in order to access the 'source 3' and 'source 4' menus.						

*Continued on next page*

## Camera selection, Continued

### Procedure (continued)

Step	Action
4	<p><b>Result:</b></p> <p>The selected camera's live video footage will be displayed in the 'video' window and the camera's name will be displayed in the top left hand corner of the screen.</p>  <p><b>Note:</b></p> <ul style="list-style-type: none"><li>➤ Note that, you can use the <b>Menu</b> button to display a camera regardless of the screen displayed. In the screen shot above, camera display was changed with the 'PTZ' panel displayed.</li><li>➤ You will hear the camera's live audio if:<ul style="list-style-type: none"><li>• the displayed camera has been configured with an audio channel,</li><li>• the audio channel is turned on,</li><li>• live audio is present at the time of viewing the camera's live video footage and</li><li>• the PDA's audio settings are configured correctly.</li></ul></li></ul>

## Displaying cameras in full screen modes

**Overview** CIEFFE VisionPocket enables you to display any camera in full screen mode in two different orientations with a single tap of the screen.

**Procedure** To display cameras in full screen mode, follow the steps below.

Step	Action
1	<p>Select the camera you wish to view by following the procedures on pages 43 to 46.</p> 

*Continued on next page*

## Displaying cameras in full screen modes, Continued

### Procedure (continued)

Step	Action	
2	If you wish to view the currently selected camera in the...	then tap the 'video' window...
	horizontal full screen mode	<p>ONCE.</p> <p><b>Result:</b> After a few moments the camera will be displayed in the horizontal full screen mode.</p> 
	vertical full screen mode	<p>TWICE.</p> <p><b>Result:</b> After a few moments the camera will be displayed in the vertical full screen mode.</p> 

Continued on next page

## Displaying cameras in full screen modes, Continued

### Procedure (continued)

Step	Action						
3	<p>If you wish to display a different camera in the same full screen mode, press .</p> <p><b>Result:</b> The 'system' menu will be displayed.</p>						
4	<p>Select <b>Source</b>.</p> <p><b>Result:</b> The 'source 1' menu will be displayed.</p>						
5	<table border="1" data-bbox="571 853 1409 1503"> <thead> <tr> <th data-bbox="571 853 914 920">If the camera you wish to view...</th> <th data-bbox="914 853 1409 920">then select...</th> </tr> </thead> <tbody> <tr> <td data-bbox="571 920 914 987">is present in the 'source 1' menu</td> <td data-bbox="914 920 1409 987">the <b>Camera</b> you wish to view.</td> </tr> <tr> <td data-bbox="571 987 914 1503">is NOT in the 'source 1' menu</td> <td data-bbox="914 987 1409 1503"> <p><b>More cameras.</b></p> <p><b>Result:</b> The 'source 2' menu will be displayed.</p> <p>Select the <b>Camera</b> you wish to view.</p> <p><b>Note:</b> ! If you are connected to a Spectiva v2.xx server, you may need to repeat this process in order to access the 'source 3' and 'source 4' menus.</p> </td> </tr> </tbody> </table> <p><b>Result:</b> The selected camera's live video footage will be displayed.</p> <p><b>Note:</b> ! You can switch between the 3 different screen modes by tapping the 'video' window and the following cycle will continue: from the 'main' screen to full screen horizontal mode to full screen vertical mode to 'main' screen etc.</p>	If the camera you wish to view...	then select...	is present in the 'source 1' menu	the <b>Camera</b> you wish to view.	is NOT in the 'source 1' menu	<p><b>More cameras.</b></p> <p><b>Result:</b> The 'source 2' menu will be displayed.</p> <p>Select the <b>Camera</b> you wish to view.</p> <p><b>Note:</b> ! If you are connected to a Spectiva v2.xx server, you may need to repeat this process in order to access the 'source 3' and 'source 4' menus.</p>
If the camera you wish to view...	then select...						
is present in the 'source 1' menu	the <b>Camera</b> you wish to view.						
is NOT in the 'source 1' menu	<p><b>More cameras.</b></p> <p><b>Result:</b> The 'source 2' menu will be displayed.</p> <p>Select the <b>Camera</b> you wish to view.</p> <p><b>Note:</b> ! If you are connected to a Spectiva v2.xx server, you may need to repeat this process in order to access the 'source 3' and 'source 4' menus.</p>						

# Image quality and video adaptive mode

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## Overview

Selecting the image quality of all connected cameras allows you to:

- adjust the viewed image quality and
- modify the image file size and thus the amount of bandwidth required to transmit the image.

When video adaptive is enabled, you can select:

- image quality between 10% and 100% and
- image resolution – FULL, CIF or QCIF.

The higher the image quality and/or resolution the larger the image file size and the more bandwidth is required to transmit the image. So if there is little bandwidth available or if the PDA is connecting to a server via a congested network, selecting a lower image quality and/or resolution will result in better video footage and audio transmission.

### Note:

The selected image quality applies to all cameras.

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## Video adaptive

The server the PDA is connected to will continuously evaluate the available bandwidth and dynamically scale the quality of images in order to provide images of the highest quality for the currently available bandwidth.

For cameras which use the WAVELET compression codec (cameras connected to a Spectiva v2.xx / Spectiva v1.xx / Proxima v2.xx / Proxima v3.xx server), enabling Video adaptive activates a proprietary conditional refresh Delta Wavelet based transmission algorithm which enables transmission of image changes only so as to improve Wavelet video refresh rate over low bandwidth. Utilised in conjunction with Full, CIF or QCIF resolution, Delta Wavelet quality is scaled up or down.

For cameras which use the MPEG4 compression codec (cameras connected to a Spectiva v2.xx or Linearis v1.xx server or a Nettuno encoder), enabling Video adaptive activates a proprietary MPEG4 Adaptive transmission algorithm. MPEG4 Adaptive provides excellent visual quality and refresh rate over very limited bandwidth (server settings dependent). MPEG4 Adaptive transmission is not affected by Full, CIF or QCIF resolution selection.

As ENPACTA is based on conditional Wavelet compression algorithm, no improvement is available in Video adaptive mode.

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## Highly important information

- ! It is recommended that the Video adaptive mode is always enabled and should not be disabled particularly when working with cameras which use the Wavelet compression codec.
- 

*Continued on next page*

## Image quality and video adaptive mode, Continued

**Procedure** To select the global image quality and resolution, follow the steps below.

**Note:**

- ! Selecting image quality and/or resolution only determines the quality and/or resolution of the images transmitted NOT THE QUALITY and/or RESOLUTION OF THE IMAGES RECORDED.

Step	Action
1	<p>Select the camera you wish to view by following the procedures on pages 43 to 46.</p> 
2	<p>Press .</p> <p><b>Result:</b> The 'system' menu will be displayed.</p>
3	<p>Select <b>Video adaptive</b>.</p> <p><b>Result:</b> The 'video adaptive' menu will be displayed.</p>

*Continued on next page*

## Image quality and video adaptive mode, Continued

### Procedure (continued)

Step	Action
4	<p>Select the preferred image resolution:</p> <ul style="list-style-type: none"> <li>➤ FULL,</li> <li>➤ CIF or</li> <li>➤ QCIF.</li> </ul> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>➤ FULL resolution will give you the best image quality but also the largest image size and thus a greater bandwidth requirement for transmission.</li> <li>➤ QCIF resolution will give you the poorest image quality but will result in the smallest image size and thus the smallest bandwidth requirement for transmission.</li> </ul> <p><b>Result:</b></p> <p>The selected resolution will be applied, the info. bar will display the selection and the 'system' menu will disappear.</p> 
5	<p>Press .</p> <p><b>Result:</b></p> <p>The 'system' menu will be displayed.</p>
6	<p>Select <b>Video adaptive</b>.</p> <p><b>Result:</b></p> <p>The 'video adaptive' menu will be displayed.</p>

*Continued on next page*

## Image quality and video adaptive mode, Continued

### Procedure (continued)

Step	Action
7	<p>Select <b>Quality</b>.</p> <p><b>Result:</b> The 'quality' menu will be displayed.</p>
8	<p>Select the preferred image quality – 10% to 100%.</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>➤ 100% quality will give you the best image quality but also the largest image size and thus a greater bandwidth requirement for transmission.</li> </ul> <p><b>Result:</b> The selected quality will be applied, the info. bar will display the selection and the 'system' menu will disappear.</p> 

*Continued on next page*

## Image quality and video adaptive mode, Continued

### Procedure

If you are working with a camera dome and you wish to change the image quality and/or resolution, follow the steps below.

### Note:

- ! Selecting a lower image quality and resolution will result in better responsiveness of the camera dome and an increased refresh rate.
- ! Selecting image quality and/or resolution only determines the quality and/or resolution of the images transmitted NOT THE QUALITY and/or RESOLUTION OF THE IMAGES RECORDED.

Step	Action
1	<p>Select the camera you wish to view by following the procedures on pages 43 to 46.</p> 
2	<p>Press .</p> <p><b>Result:</b> The 'PTZ panel' screen will be displayed.</p> 

*Continued on next page*

## Image quality and video adaptive mode, Continued

### Procedure (continued)

Step	Action						
<p data-bbox="464 495 488 517">3</p>	<table border="1"> <thead> <tr> <th data-bbox="571 524 815 560">If you wish to...</th> <th data-bbox="815 524 1406 560">then press the Quality...</th> </tr> </thead> <tbody> <tr> <td data-bbox="571 560 815 1200"> <p data-bbox="579 566 759 629">increase the image quality</p> </td> <td data-bbox="815 560 1406 1200"> <p data-bbox="826 566 991 589"><b>Plus</b> button.</p> <p data-bbox="826 629 1394 730"><b>Result:</b> The selected quality will be applied and the info. bar will display the selection.</p>  </td> </tr> <tr> <td data-bbox="571 1200 815 1877"> <p data-bbox="579 1207 759 1270">decrease the image quality</p> </td> <td data-bbox="815 1200 1406 1877"> <p data-bbox="826 1207 1011 1229"><b>Minus</b> button.</p> <p data-bbox="826 1270 1394 1370"><b>Result:</b> The selected quality will be applied and the info. bar will display the selection.</p>  </td> </tr> </tbody> </table>	If you wish to...	then press the Quality...	<p data-bbox="579 566 759 629">increase the image quality</p>	<p data-bbox="826 566 991 589"><b>Plus</b> button.</p> <p data-bbox="826 629 1394 730"><b>Result:</b> The selected quality will be applied and the info. bar will display the selection.</p> 	<p data-bbox="579 1207 759 1270">decrease the image quality</p>	<p data-bbox="826 1207 1011 1229"><b>Minus</b> button.</p> <p data-bbox="826 1270 1394 1370"><b>Result:</b> The selected quality will be applied and the info. bar will display the selection.</p> 
	If you wish to...	then press the Quality...					
<p data-bbox="579 566 759 629">increase the image quality</p>	<p data-bbox="826 566 991 589"><b>Plus</b> button.</p> <p data-bbox="826 629 1394 730"><b>Result:</b> The selected quality will be applied and the info. bar will display the selection.</p> 						
<p data-bbox="579 1207 759 1270">decrease the image quality</p>	<p data-bbox="826 1207 1011 1229"><b>Minus</b> button.</p> <p data-bbox="826 1270 1394 1370"><b>Result:</b> The selected quality will be applied and the info. bar will display the selection.</p> 						
<p data-bbox="464 1883 488 1906">4</p>	<p data-bbox="547 1883 1401 1942">Continue to press the appropriate <b>Quality</b> button until the desired image quality is achieved.</p>						

# The 'PTZ panel' screen

## Overview

The 'PTZ panel' screen provides you with tools to manoeuvre the PTZ enabled cameras. You may move the cameras:

- manually using the camera remote control dome or
- automatically by selecting a preset or a tour.

### Note:

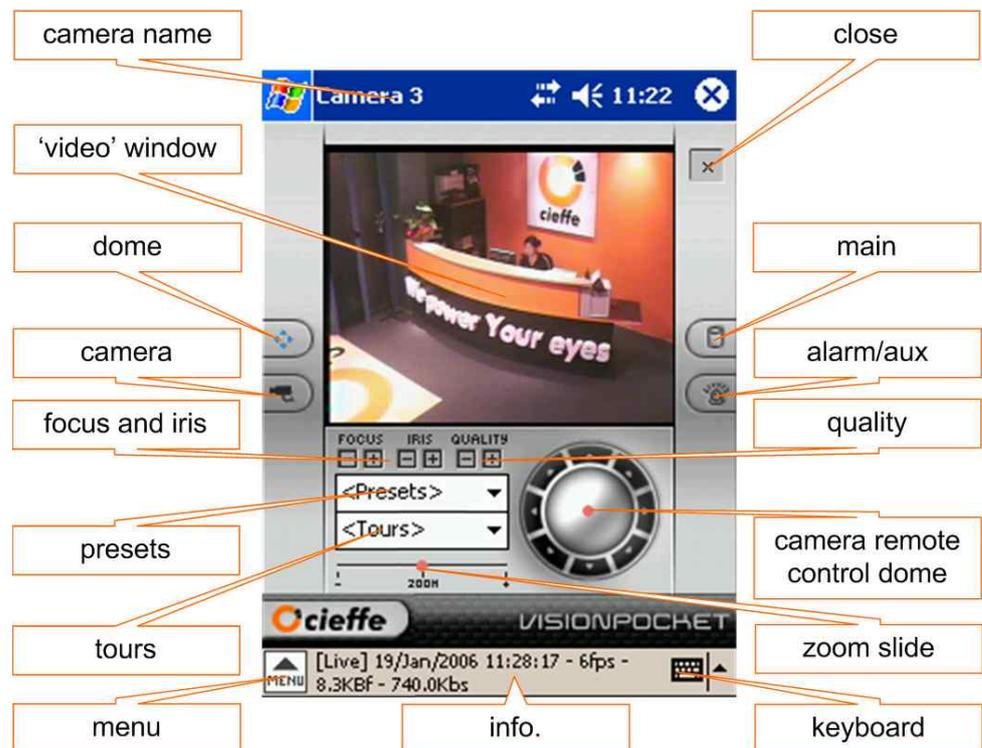
For detailed information about presets and tours, please refer to:

- 'Spectiva Installation Guide v1.xx' or
- 'Spectiva Installation Guide v2.xx' or
- 'Linearis Installation Guide v1.xx' or
- 'Proxima Installation Guide v2.xx' or
- 'Proxima Installation Guide v3.xx'.

## The 'PTZ panel' screen

Refer to the figure below. The 'PTZ panel' screen can be split into the following:

- camera name,
- 'video' window,
- the Dome button,
- the Camera button,
- focus and iris controls,
- the Presets dropdown bar,
- the Tours dropdown bar,
- the Menu button,
- info. bar,
- the Keyboard button,
- the zoom slide,
- the camera remote control dome,
- quality controls,
- the Alarm/Aux button,
- the Main button and
- the Close button.



Continued on next page

## The 'PTZ panel' screen, Continued

### Buttons and features

A brief description of each feature on the 'PTZ panel' screen is provided in the table below.

Button/feature	Function
<b>Camera name</b>	Displays the name of the camera which is currently displayed when CIEFFE VisionPocket is connected to a server.
	Displays live or played back video clips and images.
	Allows you to close the CIEFFE VisionPocket application.
	If the camera is PTZ enabled, accesses the 'PTZ panel' screen where you can utilise the PTZ controls and move the selected camera to preset positions or according to preset tours.
	Displays the 'camera selection panel' screen, allowing you to select which camera you wish to view in the 'video' window.
<b>Focus controls</b>	Allows you to control the camera lens in order to achieve the desired focus for PTZ enabled and fixed cameras.
<b>Iris controls</b>	Allows you to control the amount of light that enters the camera.
	Allows you to move a camera to a predefined position that corresponds to the selected preset.
	Allows you to shift a camera between the predefined camera movement sequences (tour).
	<p>Allows you to access the CIEFFE VisionPocket menu. The menu allows you to:</p> <ul style="list-style-type: none"> <li>➤ disconnect from a CIEFFE DVMS server,</li> <li>➤ quit CIEFFE VisionPocket,</li> <li>➤ select a camera for display,</li> <li>➤ utilise the playback commands,</li> <li>➤ enable and disable the Video adaptive mode,</li> <li>➤ select the transmitted image resolution,</li> <li>➤ select the transmitted image quality,</li> <li>➤ utilise came dome presets and tours,</li> <li>➤ save a still image and</li> <li>➤ access the 'setup' screen (connection Manager).</li> </ul> <p><b>Note:</b> Please refer to 'Image quality and video adaptive mode' (pg. 50 - 55) for additional details about the Video adaptive mode.</p>

*Continued on next page*

## The 'PTZ panel' screen, Continued

### Buttons and features (continued)

Button/feature	Function
Info. bar	Dynamically provides information about the system status, system mode and camera information.
	Allows you to access the keyboard and enter all the server connection details.
	Allows you to zoom in and out.
	Allows you to position a PTZ camera.
Quality controls	<p>Allows you to select the image quality when Video adaptive mode is enabled.</p> <p>! The higher the image quality the larger the image file size and the more bandwidth is required to transmit the image.</p> <p><b>Note:</b></p> <p>! The selected image quality will apply to all cameras. Please refer to 'Image quality and video adaptive mode' (pg. 50 - 55) for additional information.</p>
	<p>Displays the 'alarm/aux panel' screen, allowing you to:</p> <ul style="list-style-type: none"> <li>➤ monitor the status of all alarms and auxiliaries of the server you are connected to and</li> <li>➤ turn auxiliaries on and off.</li> </ul>
	<p>Displays the 'main' screen, allowing you to:</p> <ul style="list-style-type: none"> <li>➤ select the camera you wish to view,</li> <li>➤ manoeuvre camera domes,</li> <li>➤ playback recorded video footage and audio,</li> <li>➤ access the 'setup' screen,</li> <li>➤ save a still image,</li> <li>➤ search the recorded video footage and audio and</li> <li>➤ turn the audio channel(s) on and off.</li> </ul>
	Allows you to close the CIEFFE VisionPocket application.

# Pan / tilt / zooming a camera

## Overview

If PTZ camera domes are connected to the CIEFFE DVMS server you are connected to via CIEFFE VisionPocket, you are able to control the camera dome position, zoom level and adjust the camera dome's focus, iris and quality.

### Note:

! If camera dome positioning is EXTREMELY SLOW, it can be useful to reduce the image quality while you are working with the dome. Please refer to 'Image quality and video adaptive mode' (pg. 50 - 55) for additional information.

## Procedure

To utilise the PTZ function, follow the steps below.

Step	Action						
1	Select the camera dome you wish to manoeuvre by following the procedures on pages 43 to 46.						
2	<p data-bbox="549 913 692 952">Press .</p> <p data-bbox="549 976 647 1014"><b>Result:</b></p> <table border="1" data-bbox="571 1025 1409 1868"> <thead> <tr> <th data-bbox="571 1025 954 1093">If you selected...</th> <th data-bbox="954 1025 1409 1093">then the following 'PTZ panel' screen will be displayed...</th> </tr> </thead> <tbody> <tr> <td data-bbox="571 1093 954 1480">a PTZ camera dome</td> <td data-bbox="954 1093 1409 1480">  </td> </tr> <tr> <td data-bbox="571 1480 954 1868">a fixed camera</td> <td data-bbox="954 1480 1409 1868">  </td> </tr> </tbody> </table> <p data-bbox="549 1906 1249 1971"><b>Note:</b> ! You will not be able to manoeuvre a fixed camera.</p>	If you selected...	then the following 'PTZ panel' screen will be displayed...	a PTZ camera dome		a fixed camera	
If you selected...	then the following 'PTZ panel' screen will be displayed...						
a PTZ camera dome							
a fixed camera							

*Continued on next page*

## Pan / tilt / zooming a camera, Continued

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### Procedure (continued)

Step	Action
3	<p>Pan or tilt the camera by utilising the camera remote control dome. To utilise the camera remote control dome:</p> <ul style="list-style-type: none"><li>➤ press and drag the <b>Central point</b> as required or</li><li>➤ press the <b>Arrows</b> as required to achieve smaller and more precise camera movements.</li></ul> <p><b>Note:</b> Observe the changes in the camera dome position in the 'video' window.</p>
4	<p>To zoom in or out, press and drag the <b>Zoom point</b> towards the + or the - side of the slide respectively.</p> <p><b>Note:</b> Please <b>refer</b> to 'Using the optical and digital zooms' (pg. 61 - 62) for additional information about utilising the zoom function.</p>
5	<p>If required, change the focus by pressing on the <b>Focus +</b> or <b>-</b> buttons until the desired focus is achieved.</p>
6	<p>If required, change the iris by pressing on the <b>Iris +</b> or <b>-</b> buttons until the desired light balance is achieved.</p>

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# Using the optical and digital zooms

## Overview

CIEFFE VisionPocket allows users to utilise two types of zoom:

- the optical zoom and
- the digital zoom.

The optical zoom actually engages the PTZ camera dome's lens zoom. Conversely, the digital zoom does not engage the camera dome's lens but increases or decreases the size of each pixel in the picture. It therefore changes the size of the image with corresponding changes in 'graininess'.

## Procedure

To use the optical and digital zoom functions, follow the steps below.

Step	Action						
1	Select the camera dome you wish to manoeuvre by following the procedures on pages 43 to 46.						
2	<p data-bbox="547 864 691 900">Press .</p> <p data-bbox="547 931 647 967"><b>Result:</b></p> <table border="1" data-bbox="571 981 1406 1861"> <thead> <tr> <th data-bbox="571 981 954 1048">If you selected...</th> <th data-bbox="954 981 1406 1048">then the following 'PTZ panel' screen will be displayed...</th> </tr> </thead> <tbody> <tr> <td data-bbox="571 1048 954 1451">a PTZ camera dome</td> <td data-bbox="954 1048 1406 1451">  </td> </tr> <tr> <td data-bbox="571 1451 954 1861">a fixed camera</td> <td data-bbox="954 1451 1406 1861">  </td> </tr> </tbody> </table> <p data-bbox="547 1895 624 1930"><b>Note:</b></p> <p data-bbox="547 1930 1246 1966">! You will not be able to manoeuvre a fixed camera.</p>	If you selected...	then the following 'PTZ panel' screen will be displayed...	a PTZ camera dome		a fixed camera	
If you selected...	then the following 'PTZ panel' screen will be displayed...						
a PTZ camera dome							
a fixed camera							

*Continued on next page*

## Using the optical and digital zooms, Continued

### Procedure (continued)

Step	Action	
3	<b>If you wish to...</b>	<b>then...</b>
	zoom in using the optical zoom	press and drag the <b>Zoom point</b> towards the + side of the zoom slide 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>Press and drag the <b>Zoom point</b> towards the + side of the zoom slide until you cannot zoom in any further and then release the <b>Zoom point</b>.</p> <p>Now press and drag the <b>Zoom point</b> again towards the + side of the zoom slide to engage the digital zoom. Observe the corresponding changes in the 'video' window. Continue to press and drag the <b>Zoom point</b> until the desired digital zoom level is achieved.</p>
	zoom out using the optical zoom	press and drag the <b>Zoom point</b> towards the - side of the zoom slide 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>Press and drag the <b>Zoom point</b> towards the - side of the zoom. Observe the corresponding changes in the 'video' window.</p>

## Using presets and tours

### Overview

CIEFFE VisionPocket allows you to move PTZ camera domes to pre-set positions or tours via the 'PTZ panel' screen.

Selecting a PTZ camera dome:

- **preset** results in the camera dome moving to a predefined position that corresponds to the selected preset;
- **tour** results in the camera shifting between predefined camera MOVEMENT SEQUENCES thus providing different 'scenes' in quick succession.

### Note:

- Presets and tours do not apply to fixed cameras.

! If camera dome positioning is EXTREMELY SLOW, it can be useful to reduce the image quality while you are working with the dome. Please **refer** to 'Image quality and video adaptive mode' (pg. 50 - 55) for additional information.

! You can use cameras' presets and tours by using the **Dome** button or the **Menu** button. Note that, you can use the **Menu** button to move camera domes regardless of the screen displayed.

- Presets and tours available on CIEFFE VisionPocket correspond to the presets and tours that have been configured on the server which you are connected to. For information on how to create and configure presets and tours, please **refer** to:
  - 'Spectiva Installation Guide v1.xx' or
  - 'Spectiva Installation Guide v2.xx' or
  - 'Linearis Installation Guide v1.xx' or
  - 'Proxima Installation Guide v2.xx' or
  - 'Proxima Installation Guide v3.xx'.

### Other information

Once a preset or a tour is selected, the info. bar will display the selection while the camera dome is repositioning.



Continued on next page

## Using presets and tours, Continued

### Procedure

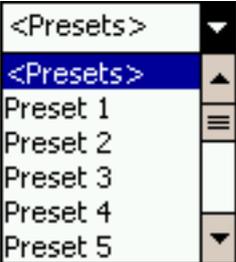
To select a preset or engage a tour by using the **Dome** button, follow the steps below.

Step	Action						
1	Select the camera dome you wish to manoeuvre by following the procedures on pages 43 to 46.						
2	<p data-bbox="547 568 692 602">Press .</p> <p data-bbox="547 629 647 663"><b>Result:</b></p> <table border="1" data-bbox="571 680 1406 1868"> <thead> <tr> <th data-bbox="571 680 895 748">If you selected...</th> <th data-bbox="895 680 1406 748">then the following 'PTZ panel' screen will be displayed...</th> </tr> </thead> <tbody> <tr> <td data-bbox="571 748 895 1308">a PTZ camera dome</td> <td data-bbox="895 748 1406 1308">  </td> </tr> <tr> <td data-bbox="571 1308 895 1868">a fixed camera</td> <td data-bbox="895 1308 1406 1868">  </td> </tr> </tbody> </table> <p data-bbox="547 1899 1251 1971"><b>Note:</b> ! You will not be able to manoeuvre a fixed camera.</p>	If you selected...	then the following 'PTZ panel' screen will be displayed...	a PTZ camera dome		a fixed camera	
If you selected...	then the following 'PTZ panel' screen will be displayed...						
a PTZ camera dome							
a fixed camera							

*Continued on next page*

## Using presets and tours, Continued

### Procedure (continued)

Step	Action	
4	If you wish to select a...	then press on...
	preset	<p>the <b>Preset</b> dropdown bar.</p> <p><b>Result:</b> The <b>Preset</b> menu will be displayed.</p>  <p>Utilise the scroll bar if required and press on the preferred <b>Preset</b>.</p> <p><b>Result:</b> The camera dome will move to the selected preset position.</p>
tour	<p>the <b>Tour</b> dropdown bar.</p> <p><b>Result:</b> The <b>Tour</b> menu will be displayed.</p>  <p>Utilise the scroll bar if required and press on the preferred <b>Tour</b>.</p> <p><b>Result:</b> The selected tour will commence.</p> <p><b>Note:</b> ! The selected tour will continue to play until you select a preset.</p>	

*Continued on next page*

## Using presets and tours, Continued

### Procedure

To select a preset or engage a tour by using the **Menu** button, follow the steps below.

Step	Action						
1	Select the camera dome you wish to manoeuvre by following the procedures on pages 43 to 46.						
2	Press  .  <b>Result:</b> The 'system' menu will be displayed.						
3	<table border="1"> <thead> <tr> <th>If you wish to...</th> <th>then select...</th> </tr> </thead> <tbody> <tr> <td>move the selected camera dome to a preset position</td> <td> <b>Presets</b> in the 'system' menu.   <b>Result:</b>            Continue to step 4.         </td> </tr> <tr> <td>commence a tour for the selected camera dome</td> <td> <b>Tours</b> in the 'system' menu.   <b>Result:</b>            The selected tour will commence.   <b>Note:</b>            ! The selected tour will continue to play until you select a preset.         </td> </tr> </tbody> </table>	If you wish to...	then select...	move the selected camera dome to a preset position	<b>Presets</b> in the 'system' menu.  <b>Result:</b> Continue to step 4.	commence a tour for the selected camera dome	<b>Tours</b> in the 'system' menu.  <b>Result:</b> The selected tour will commence.  <b>Note:</b> ! The selected tour will continue to play until you select a preset.
If you wish to...	then select...						
move the selected camera dome to a preset position	<b>Presets</b> in the 'system' menu.  <b>Result:</b> Continue to step 4.						
commence a tour for the selected camera dome	<b>Tours</b> in the 'system' menu.  <b>Result:</b> The selected tour will commence.  <b>Note:</b> ! The selected tour will continue to play until you select a preset.						
4	The 'preset 1' menu will be displayed.  <table border="1"> <thead> <tr> <th>If the preset position you wish the camera dome to assume...</th> <th>then select...</th> </tr> </thead> <tbody> <tr> <td>is present in the 'presets 1' menu</td> <td>           the <b>Preset</b> you the selected camera dome to assume.   <b>Result:</b>            The camera dome will move to the selected preset position.         </td> </tr> <tr> <td>is NOT in the 'presets 1' menu</td> <td> <b>More presets.</b>   <b>Result:</b>            The 'presets 2' menu will be displayed.             Select the <b>Preset</b> you wish to view.   <b>Result:</b>            The camera dome will move to the selected preset position.         </td> </tr> </tbody> </table>	If the preset position you wish the camera dome to assume...	then select...	is present in the 'presets 1' menu	the <b>Preset</b> you the selected camera dome to assume.  <b>Result:</b> The camera dome will move to the selected preset position.	is NOT in the 'presets 1' menu	<b>More presets.</b>  <b>Result:</b> The 'presets 2' menu will be displayed.  Select the <b>Preset</b> you wish to view.  <b>Result:</b> The camera dome will move to the selected preset position.
If the preset position you wish the camera dome to assume...	then select...						
is present in the 'presets 1' menu	the <b>Preset</b> you the selected camera dome to assume.  <b>Result:</b> The camera dome will move to the selected preset position.						
is NOT in the 'presets 1' menu	<b>More presets.</b>  <b>Result:</b> The 'presets 2' menu will be displayed.  Select the <b>Preset</b> you wish to view.  <b>Result:</b> The camera dome will move to the selected preset position.						

## Playing back video footage and audio

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### Overview

CIEFFE VisionPocket enables you to playback recorded Prime sector video footage and audio without any interruption to the recording process. This then allows you to utilise the find function or save a still image.

#### Note:

- Audio playback will only be available if:
  - the PDA is connected to a Spectiva / Linearis or Proxima v3.xx server,
  - the camera being played back has been configured with an audio channel,
  - the audio channel is turned on,
  - audio has been recorded for the selected camera with the video footage currently being played back and
  - the PDA's audio settings are configured correctly.
  
- ! Audio playback is only available when a PDA is connected to a Spectiva server using the Spectiva (Wavelet) protocol. Please **refer** to 'Configuring CIEFFE VisionPocket server connections' (pg. 27 - 31) for additional information.
  
- ! Audio playback is not available for cameras connected to the following:
  - Proxima v2 servers and
  - Nettuno encoders.
  
- ! Playback can be performed by using the **Main** button or the **Menu** button. Note that, you can use the **Menu** button to playback video footage and audio regardless of the screen displayed.
  
- For detailed information about camera sectors, please **refer** to:
  - '*Spectiva Installation Guide v1.xx*' or
  - '*Spectiva Installation Guide v2.xx*' or
  - '*Linearis Installation Guide v1.xx*' or
  - '*Proxima Installation Guide v2.xx*' or
  - '*Proxima Installation Guide v3.xx*'.
  
- If you know the camera and the exact time period you would like to playback or if there is a vast amount of footage to playback, it is best to use the Find function. **Refer** to 'Finding a particular image' (pg. 76 - 80).

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*Continued on next page*

## Playing back video footage and audio, Continued

**Procedure** To playback video footage and audio using the **Main** button, follow the steps below.

Step	Action
1	<p>Press .</p> <p><b>Result:</b> The 'camera selection panel' screen will be displayed and the <b>Camera</b> button will become blue.</p> 
2	<p>Select the camera you wish to view by:</p> <ul style="list-style-type: none"><li>➤ pressing the required <b>Camera</b> button or</li><li>➤ utilising the dropdown bar and pressing the required <b>Camera</b>.</li></ul> <p><b>Result:</b> The selected camera's live video footage will be displayed in the 'video' window and the camera's name will be displayed in the top left hand corner of the screen.</p>  <p><b>Note:</b> You will hear the camera's live audio if:</p> <ul style="list-style-type: none"><li>➤ the displayed camera has been configured with an audio channel,</li><li>➤ the audio channel is turned on,</li><li>➤ live audio is present at the time of viewing the camera's live video footage and</li><li>➤ the PDA's audio settings are configured correctly.</li></ul>

*Continued on next page*

## Playing back video footage and audio, Continued

### Procedure (continued)

Step	Action
3	<p>Press .</p> <p><b>Result:</b> The 'main' screen will be displayed with the selected camera's live video footage in the 'video' window.</p> 
4	<p>Press  to initiate the playback of the selected camera's video footage and audio.</p> <p><b>Result:</b> The playback will begin.</p>  <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>➤ Audio will be played back only if: <ul style="list-style-type: none"> <li>• the PDA is connected to a Spectiva / Linearis or Proxima v3.xx server,</li> <li>• the camera being played back has been configured with an audio channel,</li> <li>• the audio channel is turned on,</li> <li>• audio has been recorded for the selected camera with the video footage currently being played back and</li> <li>• the PDA's audio settings are configured correctly.</li> </ul> </li> <li>➤ The info. bar will display all of the selected playback functions.</li> </ul>

*Continued on next page*

## Playing back video footage and audio, Continued

### Procedure (continued)

Step	Action										
5	<p data-bbox="544 488 847 521">On the playback pad –</p> <div data-bbox="737 544 1241 680" style="text-align: center;"> </div> <table border="1" data-bbox="555 703 1422 1695"> <thead> <tr> <th data-bbox="555 703 837 741">If you wish to...</th> <th data-bbox="837 703 1422 741">then press...</th> </tr> </thead> <tbody> <tr> <td data-bbox="555 741 837 813">go to the start of the video footage</td> <td data-bbox="837 741 1422 813"> </td> </tr> <tr> <td data-bbox="555 813 837 884">go to the end of the video footage</td> <td data-bbox="837 813 1422 884"> </td> </tr> <tr> <td data-bbox="555 884 837 1294">fast forward the video footage</td> <td data-bbox="837 884 1422 1294"> <div data-bbox="847 884 898 936"> </div> <div data-bbox="938 943 1318 1032" style="text-align: center;"> </div> <p data-bbox="847 1043 1401 1160">If you wish to increase the speed of the fast forward function, repeatedly press  until you reach the desired speed.</p> <p data-bbox="847 1193 1401 1294"><b>Note:</b> The selected speed will display in the info. bar.</p> </td> </tr> <tr> <td data-bbox="555 1294 837 1695">fast rewind the video footage</td> <td data-bbox="837 1294 1422 1695"> <div data-bbox="847 1294 898 1346"> </div> <div data-bbox="938 1352 1318 1442" style="text-align: center;"> </div> <p data-bbox="847 1453 1401 1570">If you wish to increase the speed of the fast rewind function, repeatedly press  until you reach the desired speed.</p> <p data-bbox="847 1603 1401 1695"><b>Note:</b> The selected speed will display in the info. bar.</p> </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	<div data-bbox="847 884 898 936"> </div> <div data-bbox="938 943 1318 1032" style="text-align: center;"> </div> <p data-bbox="847 1043 1401 1160">If you wish to increase the speed of the fast forward function, repeatedly press  until you reach the desired speed.</p> <p data-bbox="847 1193 1401 1294"><b>Note:</b> The selected speed will display in the info. bar.</p>	fast rewind the video footage	<div data-bbox="847 1294 898 1346"> </div> <div data-bbox="938 1352 1318 1442" style="text-align: center;"> </div> <p data-bbox="847 1453 1401 1570">If you wish to increase the speed of the fast rewind function, repeatedly press  until you reach the desired speed.</p> <p data-bbox="847 1603 1401 1695"><b>Note:</b> The selected speed will display in the info. bar.</p>
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	<div data-bbox="847 884 898 936"> </div> <div data-bbox="938 943 1318 1032" style="text-align: center;"> </div> <p data-bbox="847 1043 1401 1160">If you wish to increase the speed of the fast forward function, repeatedly press  until you reach the desired speed.</p> <p data-bbox="847 1193 1401 1294"><b>Note:</b> The selected speed will display in the info. bar.</p>										
fast rewind the video footage	<div data-bbox="847 1294 898 1346"> </div> <div data-bbox="938 1352 1318 1442" style="text-align: center;"> </div> <p data-bbox="847 1453 1401 1570">If you wish to increase the speed of the fast rewind function, repeatedly press  until you reach the desired speed.</p> <p data-bbox="847 1603 1401 1695"><b>Note:</b> The selected speed will display in the info. bar.</p>										

*Continued on next page*

## Playing back video footage and audio, Continued

### Procedure (continued)

5 (cont.)	If you wish to...	then press...
	pause the video footage	 .  <b>Result:</b> The playback will stop at the chosen point in the video footage to let you view a still image.  ➤ To resume the playback, press  or ➤ to view the video footage frame by frame press  or  as required.
	playback the video footage frame by frame	 and then repeatedly press  or  to move through the video footage frame by frame in the desired direction.
6	In order to stop the playback and return to live mode, press  .  <b>Result:</b> Playback will cease and live footage will be displayed in the 'video' window.	
7	Repeat steps 1 – 6 in order to playback video footage and audio from a different camera.	

### Procedure

To playback video footage and audio using the **Menu** button, follow the steps below.

Step	Action
1	Press  .  <b>Result:</b> The 'system' menu will be displayed.
2	Select <b>Source</b> .  <b>Result:</b> The 'source 1' menu will be displayed.

*Continued on next page*

## Playing back video footage and audio, Continued

### Procedure (continued)

Step	Action						
3	<table border="1"> <thead> <tr> <th data-bbox="571 510 839 577">If the camera you wish to view...</th> <th data-bbox="839 510 1406 577">then select...</th> </tr> </thead> <tbody> <tr> <td data-bbox="571 577 839 651">is present in the 'source 1' menu</td> <td data-bbox="839 577 1406 651">the <b>Camera</b> you wish to view.</td> </tr> <tr> <td data-bbox="571 651 839 1055">is NOT in the 'source 1' menu</td> <td data-bbox="839 651 1406 1055"> <p><b>More cameras.</b></p> <p><b>Result:</b> The 'source 2' menu will be displayed.</p> <p>Select the <b>Camera</b> you wish to view.</p> <p><b>Note:</b> <b>!</b> If you are connected to a Spectiva v2.xx server, you may need to repeat this process in order to access the 'source 3' and 'source 4' menus.</p> </td> </tr> </tbody> </table>	If the camera you wish to view...	then select...	is present in the 'source 1' menu	the <b>Camera</b> you wish to view.	is NOT in the 'source 1' menu	<p><b>More cameras.</b></p> <p><b>Result:</b> The 'source 2' menu will be displayed.</p> <p>Select the <b>Camera</b> you wish to view.</p> <p><b>Note:</b> <b>!</b> If you are connected to a Spectiva v2.xx server, you may need to repeat this process in order to access the 'source 3' and 'source 4' menus.</p>
If the camera you wish to view...	then select...						
is present in the 'source 1' menu	the <b>Camera</b> you wish to view.						
is NOT in the 'source 1' menu	<p><b>More cameras.</b></p> <p><b>Result:</b> The 'source 2' menu will be displayed.</p> <p>Select the <b>Camera</b> you wish to view.</p> <p><b>Note:</b> <b>!</b> If you are connected to a Spectiva v2.xx server, you may need to repeat this process in order to access the 'source 3' and 'source 4' menus.</p>						
4	<p><b>Result:</b> The selected camera's live video footage will be displayed in the 'video' window and the camera's name will be displayed in the top left hand corner of the screen.</p> <div data-bbox="868 1234 1110 1554" data-label="Image"> </div> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>➤ Note that, you can use the <b>Menu</b> button to display a camera regardless of the screen displayed. In the screen shot above, camera display was changed with the 'PTZ' panel displayed.</li> <li>➤ You will hear the camera's live audio if: <ul style="list-style-type: none"> <li>• the displayed camera has been configured with an audio channel,</li> <li>• the audio channel is turned on,</li> <li>• live audio is present at the time of viewing the camera's live video footage and</li> <li>• the PDA's audio settings are configured correctly.</li> </ul> </li> </ul>						

*Continued on next page*

## Playing back video footage and audio, Continued

### Procedure (continued)

Step	Action
5	Press  .  <b>Result:</b> The 'system' menu will be displayed.
6	Select <b>Play mode</b> .  <b>Result:</b> The 'mode' menu will be displayed.
7	Select <b>Play</b> to initiate the playback of the selected camera's video footage and audio.  <b>Result:</b> The playback will begin.    <b>Note:</b> <ul style="list-style-type: none"> <li>➤ Audio will be played back only if:               <ul style="list-style-type: none"> <li>• the PDA is connected to a Spectiva / Linearis or Proxima v3.xx server,</li> <li>• the camera being played back has been configured with an audio channel,</li> <li>• the audio channel is turned on,</li> <li>• audio has been recorded for the selected camera with the video footage currently being played back and</li> <li>• the PDA's audio settings are configured correctly.</li> </ul> </li> <li>➤ The info. bar will display all of the selected playback functions.</li> </ul>

*Continued on next page*

## Playing back video footage and audio, Continued

### Procedure (continued)

Step	Action										
8	Press  .  <b>Result:</b> The 'system' menu will be displayed.										
9	Select <b>Play mode</b> .  <b>Result:</b> The 'playback mode' menu will be displayed.										
10	<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>select <b>Begin</b>.</td> </tr> <tr> <td>go to the end of the video footage</td> <td>select <b>End</b>.</td> </tr> <tr> <td>fast forward the video footage</td> <td>           ensure that <b>Play</b> is displayed in the info. bar and then select <b>Forward</b>.              <b>Result:</b>            The footage will fast forward and the selected speed will display in the info. bar.                        If you wish to increase the speed of the fast forward function, repeat steps 8, 9 and 10 until you reach the desired speed.                        To stop fast forwarding repeat steps 8 and 9 and select <b>Play</b> or <b>Pause</b>.         </td> </tr> <tr> <td>fast rewind the video footage</td> <td>           ensure that <b>Play</b> is displayed in the info. bar and then select <b>Rewind</b>.              <b>Result:</b>            The footage will fast rewind and the selected speed will display in the info. bar.                        If you wish to increase the speed of the fast rewind function, repeat steps 8, 9 and 10 until you reach the desired speed.                        To stop fast rewinding repeat steps 8 and 9 and select <b>Play</b> or <b>Pause</b>.         </td> </tr> </tbody> </table>	If you wish to...	then...	go to the start of the video footage	select <b>Begin</b> .	go to the end of the video footage	select <b>End</b> .	fast forward the video footage	ensure that <b>Play</b> is displayed in the info. bar and then select <b>Forward</b> .  <b>Result:</b> The footage will fast forward and the selected speed will display in the info. bar.  If you wish to increase the speed of the fast forward function, repeat steps 8, 9 and 10 until you reach the desired speed.  To stop fast forwarding repeat steps 8 and 9 and select <b>Play</b> or <b>Pause</b> .	fast rewind the video footage	ensure that <b>Play</b> is displayed in the info. bar and then select <b>Rewind</b> .  <b>Result:</b> The footage will fast rewind and the selected speed will display in the info. bar.  If you wish to increase the speed of the fast rewind function, repeat steps 8, 9 and 10 until you reach the desired speed.  To stop fast rewinding repeat steps 8 and 9 and select <b>Play</b> or <b>Pause</b> .
If you wish to...	then...										
go to the start of the video footage	select <b>Begin</b> .										
go to the end of the video footage	select <b>End</b> .										
fast forward the video footage	ensure that <b>Play</b> is displayed in the info. bar and then select <b>Forward</b> .  <b>Result:</b> The footage will fast forward and the selected speed will display in the info. bar.  If you wish to increase the speed of the fast forward function, repeat steps 8, 9 and 10 until you reach the desired speed.  To stop fast forwarding repeat steps 8 and 9 and select <b>Play</b> or <b>Pause</b> .										
fast rewind the video footage	ensure that <b>Play</b> is displayed in the info. bar and then select <b>Rewind</b> .  <b>Result:</b> The footage will fast rewind and the selected speed will display in the info. bar.  If you wish to increase the speed of the fast rewind function, repeat steps 8, 9 and 10 until you reach the desired speed.  To stop fast rewinding repeat steps 8 and 9 and select <b>Play</b> or <b>Pause</b> .										

*Continued on next page*

## Playing back video footage and audio, Continued

### Procedure (continued)

10 (cont.)	If you wish to...	then...
	pause the video footage	<p>select <b>Pause</b>.</p> <p><b>Result:</b> The playback will stop at the chosen point in the video footage to let you view a still image.</p> <ul style="list-style-type: none"> <li>➤ To resume the playback, repeat steps 8 and 9 and select <b>Play</b> or</li> <li>➤ to view the video footage frame by frame repeat steps 8 and 9 and select <b>Forward</b> or <b>Rewind</b> as required.</li> </ul>
	playback the video footage frame by frame	<p>repeat steps 8 and 9 and select <b>Pause</b>.</p> <p>Now, repeat steps 8 and 9 and select <b>Forward</b> or <b>Rewind</b> as required.</p> <p><b>Note:</b> You will need to continue repeating steps 8 and 9 and selecting <b>Forward</b> or <b>Rewind</b> in order to move through the video footage frame by frame in the desired direction. The info. bar will indicate that the speed of the forward or rewind is x0.</p>
11	<p>In order to stop the playback and return to live mode, repeat steps 8 and 9 and select <b>Live</b>.</p> <p><b>Result:</b> Playback will cease and live footage will be displayed in the 'video' window.</p>	
12	<p>Repeat steps 1 – 11 in order to playback video footage and audio from a different camera.</p>	

### Other information

- Once you have accessed an image of interest, you can choose to save it as a JPEG, BMP or PNG file. Please **refer** to 'Saving a still image' (pg. 82 - 91).
- For a more sophisticated video footage searching capability, please **refer** to 'Finding a particular image' (pg. 76 - 80).

## Finding a particular image

### Overview

For quick and accurate video footage retrieval, the find function allows you to simply enter the date and time of the video footage you are interested in and instantly extract the video footage for the currently selected camera.

Once the video footage is located, you may wish to save a still image or images of interest as required.

### Note:

Please **refer** to 'Saving a still image' (pg. 82 - 91) for detailed information about saving still images.

### Procedure

To utilise the find function, follow the steps below.

Step	Action
1	Select the camera whose video footage you wish to search by following the procedures on pages 43 to 46.
2	<p>Press .</p> <p><b>Result:</b> The 'main' screen will be displayed with the selected camera's live video footage in the 'video' window.</p> 

*Continued on next page*

## Finding a particular image, Continued

### Procedure (continued)

Step	Action
3	<p>Initiate the playback of the selected camera's video footage and audio by:</p> <ul style="list-style-type: none"><li>➤ pressing  or</li><li>➤ accessing the 'system' menu, selecting <b>Play mode</b> and then selecting <b>Play</b> from the 'mode' menu.</li></ul> <p><b>Result:</b> The playback will begin.</p>  <p><b>Note:</b></p> <ul style="list-style-type: none"><li>➤ Audio will be played back only if:<ul style="list-style-type: none"><li>• the PDA is connected to a Spectiva / Linearis or Proxima v3.xx server,</li><li>• the camera being played back has been configured with an audio channel,</li><li>• the audio channel is turned on,</li><li>• audio has been recorded for the selected camera with the video footage currently being played back and</li><li>• the PDA's audio settings are configured correctly.</li></ul></li></ul> <p>In the above example, the selected camera does not have an audio channel associated with it and audio therefore will not be audible during live viewing or video playback.</p> <ul style="list-style-type: none"><li>➤ The info. bar will display all of the selected playback functions.</li></ul>

*Continued on next page*

## Finding a particular image, Continued

### Procedure (continued)

Step	Action
4	<p>Press .</p> <p><b>Result:</b> The 'find' panel will be displayed and the video footage will continue to playback.</p> 
5	<p>Press the <b>Date</b> dropdown bar.</p> <p><b>Result:</b> The 'calendar' window will be displayed.</p> 
6	<p>Select the month and day required.</p> <p><b>Result:</b> The 'calendar' window will disappear and the selected date will be displayed in the <b>Date</b> dropdown bar.</p> <p><b>Note:</b> You can alternatively type in the required date in the <b>Date</b> dropdown bar.</p>

*Continued on next page*

## Finding a particular image, Continued

### Procedure (continued)

Step	Action
7	Select the required time by: <ul style="list-style-type: none"> <li>➤ utilising the <b>Time</b> scroll bar or</li> <li>➤ typing in the required time in the <b>Time</b> text box.</li> </ul>
8	<p>Press <input type="button" value="Find"/>.</p> <p><b>Result:</b> The video footage will be played back from the selected date and time.</p> 
9	<p>Utilise the playback functions as required.</p> <p><b>Note:</b> Please <b>refer</b> to 'Playing back video footage and audio' (pg. 67 - 75) for detailed information about the playback functions.</p>
10	If you wish to save a still image, please <b>refer</b> to 'Saving a still image' (pg. 82 - 91) for detailed information.
11	If you wish to go to a different point in time, repeat steps 5 – 9.

*Continued on next page*

## Finding a particular image, Continued

### Procedure (continued)

Step	Action
<p><b>12</b></p>	<p>Press  once you have finished searching the video footage.</p> <p><b>Result:</b> The 'find' panel will disappear and the playback will continue.</p> 
<p><b>13</b></p>	<p>Press .</p> <p><b>Result:</b> The playback will cease.</p> 
<p><b>14</b></p>	<p>To search through the recorded video footage and audio of a different camera, repeat steps 1 – 13.</p>

## Exporting still image formats

---

### Overview

You have the option to save still images in the following file formats:

- Portable Network Graphics,
- Compressed JPEG Interchange Format and
- Uncompressed Windows Bitmap Format.

To help you choose the file type that best suits your needs, refer to the table below.

#### Note:

All values are descriptive and relative.

Features	Compressed JPEG Interchange	Portable Network Graphics	Uncompressed Windows Bitmap
File size	Small	Medium	Large
Image quality	Medium	High	High
System compatibility	Common; CIEFFE software not required.	Common; CIEFFE software not required.	Common; CIEFFE software not required.
Advantages	Common format and good image quality relative to the file size.	Common format and good image quality relative to the file size.	Common format and identical visual quality to the original recording as it is uncompressed.
Disadvantages	Slight loss of visual quality due to JPEG compression.	Not tamper proof.	Large file size.

---

# Saving a still image

## Overview

Once you have located the still image of interest you may save it in one of the following three formats:

- Portable Network Graphics,
- Compressed JPEG Interchange Format and
- Uncompressed Windows Bitmap Format.

### Note:

! Still images can be saved by using the **Main** button or the **Menu** button. Note that, you can use the **Menu** button to save still images regardless of the screen displayed however you will not be able to select the image's name and destination folder.

- Please **refer** to 'Exporting still image formats' (pg. 81) for information about the above formats.

## Procedure

To save a still image using the **Main** button, follow the step below.

Step	Action
1	<p>Press .</p> <p><b>Result:</b> The 'camera selection panel' screen will be displayed and the <b>Camera</b> button will become blue.</p> 

*Continued on next page*

## Saving a still image, Continued

### Procedure (continued)

Step	Action
2	<p>Select the camera you wish to view by:</p> <ul style="list-style-type: none"> <li>➤ pressing the required <b>Camera</b> button or</li> <li>➤ utilising the dropdown bar and pressing the required <b>Camera</b>.</li> </ul> <p><b>Result:</b> The selected camera's live video footage will be displayed in the 'video' window and the camera's name will be displayed in the top left hand corner of the screen.</p>  <p><b>Note:</b> You will hear the camera's live audio if:</p> <ul style="list-style-type: none"> <li>➤ the displayed camera has been configured with an audio channel,</li> <li>➤ the audio channel is turned on,</li> <li>➤ live audio is present at the time of viewing the camera's live video footage and</li> <li>➤ the PDA's audio settings are configured correctly.</li> </ul>
3	<p>Press .</p> <p><b>Result:</b> The 'main' screen will be displayed with the selected camera's live video footage in the 'video' window.</p> 

Continued on next page

## Saving a still image, Continued

### Procedure (continued)

Step	Action
4	<p>Press  to initiate the playback of the selected camera's video footage and audio.</p> <p><b>Result:</b> The playback will begin.</p>  <p><b>Note:</b></p> <ul style="list-style-type: none"><li>➤ Audio will be played back only if:<ul style="list-style-type: none"><li>• the PDA is connected to a Spectiva / Linearis or Proxima v3.xx server,</li><li>• the camera being played back has been configured with an audio channel,</li><li>• the audio channel is turned on,</li><li>• audio has been recorded for the selected camera with the video footage currently being played back and</li><li>• the PDA's audio settings are configured correctly.</li></ul></li><li>➤ The info. bar will display all of the selected playback functions.</li></ul>
5	<p>In order to locate the still image you wish to save:</p> <ul style="list-style-type: none"><li>➤ utilise the playback functions as described in 'Playing back video footage and audio' (pg. 67 - 75) or</li><li>➤ utilise the find function as described in 'Finding a particular image' (pg. 76 - 80).</li></ul>

*Continued on next page*

## Saving a still image, Continued

### Procedure (continued)

Step	Action
6	<p>Once you have located the desired still image, press .</p> <p><b>Result:</b> The playback will be paused and the desired still image will be displayed in the 'video' window.</p> 
7	<p>Press .</p> <p><b>Result:</b> The 'save' panel will be displayed.</p> 

*Continued on next page*

## Saving a still image, Continued

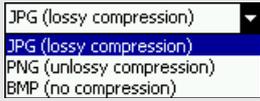
### Procedure (continued)

Step	Action
8	<p>Each saved image is by default given a name which includes the source server, the camera name and the date. If you wish to assign a different name, type it in the top text box.</p> <p><b>Note:</b> Use the keyboard icon in the bottom right hand corner to access the PDA keyboard as needed.</p>
9	<p>Press .</p> <p><b>Result:</b> The 'browse' window will be displayed.</p> 
10	<p>Select the preferred directory where you wish to save the still image.</p>
11	<p>Press .</p> <p><b>Result:</b> The 'browse' window will disappear.</p> 

*Continued on next page*

## Saving a still image, Continued

### Procedure (continued)

Step	Action
12	<p>Press the bottom dropdown bar.</p> <p><b>Result:</b> The 'format' menu will be displayed.</p> 
13	<p>Select the preferred file format.</p>
14	<p>Press .</p> <p><b>Result:</b> The still image will be saved.</p>
15	<p>Press .</p> <p><b>Result:</b> The 'save' panel will disappear and the playback will remain paused.</p> 

*Continued on next page*

## Saving a still image, Continued

### Procedure (continued)

Step	Action						
16	<p>Press .</p> <p><b>Result:</b> The playback will be stopped and live video footage will be displayed.</p> 						
17	<table border="1"> <thead> <tr> <th data-bbox="560 1574 1007 1608">If you wish to...</th> <th data-bbox="1007 1574 1422 1608">then repeats steps...</th> </tr> </thead> <tbody> <tr> <td data-bbox="560 1608 1007 1675">save a different still image from the same camera</td> <td data-bbox="1007 1608 1422 1675">4 – 16.</td> </tr> <tr> <td data-bbox="560 1675 1007 1742">save a still image from a different camera</td> <td data-bbox="1007 1675 1422 1742">1 – 16.</td> </tr> </tbody> </table>	If you wish to...	then repeats steps...	save a different still image from the same camera	4 – 16.	save a still image from a different camera	1 – 16.
If you wish to...	then repeats steps...						
save a different still image from the same camera	4 – 16.						
save a still image from a different camera	1 – 16.						

*Continued on next page*

## Saving a still image, Continued

### Procedure

To save a still image using the **Menu** button, follow the step below.

Step	Action						
1	Press  .  <b>Result:</b> The 'system' menu will be displayed.						
2	Select <b>Source</b> .  <b>Result:</b> The 'source 1' menu will be displayed.						
3	<table border="1" data-bbox="571 786 1407 1323"> <thead> <tr> <th data-bbox="571 786 839 853">If the camera you wish to view...</th> <th data-bbox="839 786 1407 853">then select...</th> </tr> </thead> <tbody> <tr> <td data-bbox="571 853 839 920">is present in the 'source 1' menu</td> <td data-bbox="839 853 1407 920">the <b>Camera</b> you wish to view.</td> </tr> <tr> <td data-bbox="571 920 839 1323">is NOT in the 'source 1' menu</td> <td data-bbox="839 920 1407 1323"> <b>More cameras.</b>   <b>Result:</b>            The 'source 2' menu will be displayed.             Select the <b>Camera</b> you wish to view.   <b>Note:</b>            ! If you are connected to a Spectiva v2.xx server, you may need to repeat this process in order to access the 'source 3' and 'source 4' menus.         </td> </tr> </tbody> </table>	If the camera you wish to view...	then select...	is present in the 'source 1' menu	the <b>Camera</b> you wish to view.	is NOT in the 'source 1' menu	<b>More cameras.</b>  <b>Result:</b> The 'source 2' menu will be displayed.  Select the <b>Camera</b> you wish to view.  <b>Note:</b> ! If you are connected to a Spectiva v2.xx server, you may need to repeat this process in order to access the 'source 3' and 'source 4' menus.
If the camera you wish to view...	then select...						
is present in the 'source 1' menu	the <b>Camera</b> you wish to view.						
is NOT in the 'source 1' menu	<b>More cameras.</b>  <b>Result:</b> The 'source 2' menu will be displayed.  Select the <b>Camera</b> you wish to view.  <b>Note:</b> ! If you are connected to a Spectiva v2.xx server, you may need to repeat this process in order to access the 'source 3' and 'source 4' menus.						

*Continued on next page*

## Saving a still image, Continued

### Procedure (continued)

Step	Action						
4	<p><b>Result:</b> The selected camera's live video footage will be displayed in the 'video' window and the camera's name will be displayed in the top left hand corner of the screen.</p>  <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>➤ Note that, you can use the <b>Menu</b> button to display a camera regardless of the screen displayed. In the screen shot above, camera display was changed with the 'PTZ' panel displayed.</li> <li>➤ You will hear the camera's live audio if: <ul style="list-style-type: none"> <li>• the displayed camera has been configured with an audio channel,</li> <li>• the audio channel is turned on,</li> <li>• live audio is present at the time of viewing the camera's live video footage and</li> <li>• the PDA's audio settings are configured correctly.</li> </ul> </li> </ul>						
5	<table border="1" data-bbox="571 1413 1407 1823"> <thead> <tr> <th data-bbox="571 1413 895 1480">If you wish to save a still image while in...</th> <th data-bbox="895 1413 1407 1480">then...</th> </tr> </thead> <tbody> <tr> <td data-bbox="571 1480 895 1518">live mode</td> <td data-bbox="895 1480 1407 1518">continue to step 6.</td> </tr> <tr> <td data-bbox="571 1518 895 1823">playback mode</td> <td data-bbox="895 1518 1407 1823"> <p>ensure that when you locate the still image of interest you pause the playback.</p> <p>Please <b>refer</b> to 'Playing back video footage and audio' (pg. 67 - 75) for detailed information.</p> <p>Continue to step 6.</p> </td> </tr> </tbody> </table>	If you wish to save a still image while in...	then...	live mode	continue to step 6.	playback mode	<p>ensure that when you locate the still image of interest you pause the playback.</p> <p>Please <b>refer</b> to 'Playing back video footage and audio' (pg. 67 - 75) for detailed information.</p> <p>Continue to step 6.</p>
If you wish to save a still image while in...	then...						
live mode	continue to step 6.						
playback mode	<p>ensure that when you locate the still image of interest you pause the playback.</p> <p>Please <b>refer</b> to 'Playing back video footage and audio' (pg. 67 - 75) for detailed information.</p> <p>Continue to step 6.</p>						

*Continued on next page*

## Saving a still image, Continued

### Procedure (continued)

Step	Action
6	Press  .  <b>Result:</b> The 'system' menu will be displayed.
7	Select <b>Grab a picture.</b>  <b>Result:</b> The selected image will be saved and the info. bar will advise you of the details.  
8	Go to the folder which the still image was saved in and press on the file name.  <b>Result:</b> The saved still image will be displayed.  

# Audio

---

## Overview

CIEFFE VisionPocket enables you to listen to live and recorded audio. When a camera is displayed, live audio will be audible if:

- the displayed camera has been configured with an audio channel,
- the audio channel is turned on,
- live audio is present at the time of viewing the camera's live video footage and
- the PDA's audio settings are configured correctly.

Audio playback will only be available if:

- the PDA is connected to a Spectiva / Linearis or Proxima v3.xx server,
- the camera being played back has been configured with an audio channel,
- the audio channel is turned on,
- audio has been recorded for the selected camera with the video footage currently being played back and
- the PDA's audio settings are configured correctly.

### Note:

! Audio playback is not available for cameras connected to the following:

- Proxima v2 servers and
  - Nettuno encoders.
- For detailed information about configuring audio channels, please **refer** to:
- '*Spectiva Installation Guide v1.xx*' or
  - '*Spectiva Installation Guide v2.xx*' or
  - '*Linearis Installation Guide v1.xx*' or
  - '*Proxima Installation Guide v3.xx*'.

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## Procedure

To listen to live audio, follow the steps below.

Step	Action
1	Select the camera whose audio you wish to listen to by following the procedures on pages 43 to 46.

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*Continued on next page*

## Audio, Continued

### Procedure (continued)

Step	Action						
2	<p data-bbox="547 504 699 537">Press .</p> <p data-bbox="547 577 1417 678"><b>Result:</b> The 'main' screen will be displayed with the selected camera's live video footage in the 'video' window.</p> <table border="1" data-bbox="571 696 1409 1570"> <thead> <tr> <th data-bbox="571 696 837 763">If you selected a camera which...</th> <th data-bbox="837 696 1409 763">then...</th> </tr> </thead> <tbody> <tr> <td data-bbox="571 763 837 831">has an audio channel</td> <td data-bbox="837 763 1409 831">continue to step 3.</td> </tr> <tr> <td data-bbox="571 831 837 1570">does not have an audio channel</td> <td data-bbox="837 831 1409 1570"> <p data-bbox="845 837 1289 871">the <b>Audio</b> button will be disabled.</p>  </td> </tr> </tbody> </table>	If you selected a camera which...	then...	has an audio channel	continue to step 3.	does not have an audio channel	<p data-bbox="845 837 1289 871">the <b>Audio</b> button will be disabled.</p> 
If you selected a camera which...	then...						
has an audio channel	continue to step 3.						
does not have an audio channel	<p data-bbox="845 837 1289 871">the <b>Audio</b> button will be disabled.</p> 						

*Continued on next page*

## Audio, Continued

### Procedure (continued)

Step	Action	
3	If the audio channel...	then the following will be displayed...
	is turned on	 <p>If you wish to turn off the audio channel, press the <b>Audio</b> button.</p> <p>The audio channel will be turned off.</p>
is turned off	 <p>If you wish to turn on the audio channel, press the <b>Audio</b> button.</p> <p>The audio channel will be turned on.</p>	
<p><b>Note:</b></p> <p>Live audio will be audible if:</p> <ul style="list-style-type: none"> <li>➤ the displayed camera has been configured with an audio channel,</li> <li>➤ the audio channel is turned on,</li> <li>➤ live audio is present at the time of viewing the camera's live video footage and</li> <li>➤ the PDA's audio settings are configured correctly.</li> </ul>		

*Continued on next page*

## Audio, Continued

**Procedure** To listen to recorded audio, follow the steps below.

Step	Action						
1	Select the camera whose audio you wish to listen to by following the procedures on pages 43 to 46.						
2	<p data-bbox="549 539 699 571">Press .</p> <p data-bbox="549 607 1417 707"><b>Result:</b> The 'main' screen will be displayed with the selected camera's live video footage in the 'video' window.</p> <table border="1" data-bbox="571 728 1406 1601"> <thead> <tr> <th data-bbox="571 728 837 795">If you selected a camera which...</th> <th data-bbox="837 728 1406 795">then...</th> </tr> </thead> <tbody> <tr> <td data-bbox="571 795 837 862">has an audio channel</td> <td data-bbox="837 795 1406 862">continue to step 3.</td> </tr> <tr> <td data-bbox="571 862 837 1601">does not have an audio channel</td> <td data-bbox="837 862 1406 1601"> <p data-bbox="845 869 1289 900">the <b>Audio</b> button will be disabled.</p>  </td> </tr> </tbody> </table>	If you selected a camera which...	then...	has an audio channel	continue to step 3.	does not have an audio channel	<p data-bbox="845 869 1289 900">the <b>Audio</b> button will be disabled.</p> 
If you selected a camera which...	then...						
has an audio channel	continue to step 3.						
does not have an audio channel	<p data-bbox="845 869 1289 900">the <b>Audio</b> button will be disabled.</p> 						

*Continued on next page*

## Audio, Continued

### Procedure (continued)

Step	Action	
3	If the audio channel...	then the following will be displayed...
	is turned on	 <p>If you wish to turn off the audio channel, press the <b>Audio</b> button.</p> <p>The audio channel will be turned off.</p>
is turned off	 <p>If you wish to turn on the audio channel, press the <b>Audio</b> button.</p> <p>The audio channel will be turned on.</p>	
<p><b>Note:</b></p> <p>Live audio will be audible if:</p> <ul style="list-style-type: none"> <li>➤ the displayed camera has been configured with an audio channel,</li> <li>➤ the audio channel is turned on,</li> <li>➤ live audio is present at the time of viewing the camera's live video footage and</li> <li>➤ the PDA's audio settings are configured correctly.</li> </ul>		

*Continued on next page*

## Audio, Continued

### Procedure (continued)

Step	Action
4	<p>Press  to initiate the playback of the selected camera's video footage and audio.</p> <p><b>Result:</b> The playback will begin.</p>  <p><b>Note:</b></p> <ul style="list-style-type: none"><li>➤ Audio will be played back only if:<ul style="list-style-type: none"><li>• the PDA is connected to a Spectiva / Linearis or Proxima v3.xx server,</li><li>• the camera being played back has been configured with an audio channel,</li><li>• the audio channel is turned on,</li><li>• audio has been recorded for the selected camera with the video footage currently being played back and</li><li>• the PDA's audio settings are configured correctly.</li></ul></li><li>➤ The info. bar will display all of the selected playback functions.</li></ul>
5	Utilise the playback functions as described pages 70 - 71 and 74 - 75.
6	To stop playback, press  .

# Alarms and auxiliaries

## Overview

The 'alarm/aux panel' screen allows you to monitor and change the states of all alarm inputs and auxiliary outputs in real time. The number of available alarms and auxiliary outputs will be determined by:

- the type and model of the CIEFFE server,
- the number of alarms which are enabled and configured and
- the presence/absence of the CIEFFE USB I/O extension board.

### Note:

- For detailed information about alarms and the CIEFFE USB I/O extension board, please refer to:
  - 'Spectiva Installation Guide v1.xx' or
  - 'Spectiva Installation Guide v2.xx' or
  - 'CIEFFE NETTUNO User Guide v1.xx' or
  - 'Linearis Installation Guide v1.xx' or
  - 'Proxima Installation Guide v2.xx' or
  - 'Proxima Installation Guide v3.xx'.

! Auxiliary output ports are available for Spectiva server and Nettuno encoders only.

## Procedure

To monitor or change the status of alarms and auxiliaries, follow the steps below.

Step	Action
1	<p>Press .</p> <p><b>Result:</b> The 'alarm/aux' panel will be displayed.</p>  <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>! If the PDA is connected to a Linearis, Proxima v3 or Proxima v2 server, the auxes window will be blank.</li> <li>! If the PDA is connected to a Nettuno encoder, only 1 alarm and 1 aux will be available.</li> </ul>

*Continued on next page*

## Alarms and auxiliaries, Continued

### Procedure (continued)

Step	Action	
<b>2</b>	<b>If an alarm...</b>	<b>then the following icon will be displayed...</b>
	is active/triggered	
	is inactive/dormant	
	<b>If you wish to...</b>	<b>then...</b>
	trigger an alarm	double tap on the currently inactive <b>Alarm</b> .  <b>Result:</b> The selected alarm will be triggered.
	switch off an alarm	double tap on the currently triggered <b>Alarm</b> .  <b>Result:</b> The selected alarm will be switched off.
<b>3</b>	<b>If an auxiliary output port...</b>	<b>then the following icon will be displayed...</b>
	is open	
	is closed	
	<b>If you wish to...</b>	<b>then...</b>
	open an auxiliary output port	double tap on the currently closed <b>Auxiliary</b> you wish to open.  <b>Result:</b> The selected auxiliary output port will open.
	close an auxiliary output port	double tap on the currently open <b>Auxiliary</b> you wish to close.  <b>Result:</b> The selected auxiliary output port will close.

# Exiting CIEFFE VisionPocket

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## Overview

When you no longer wish to utilise CIEFFE VisionPocket you should close the application.

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## Procedure

To exit CIEFFE VisionPocket, follow the steps below.

Step	Action
1	Press  .  <b>Result:</b> You will exit CIEFFE VisionPocket and the application will be closed.

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## Chapter 4: Upgrading CIEFFE VisionPocket

### Overview

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This chapter provides information about the task that must be executed in order to upgrade CIEFFE VisionPocket.

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Overview	101
Uninstalling CIEFFE VisionPocket	102

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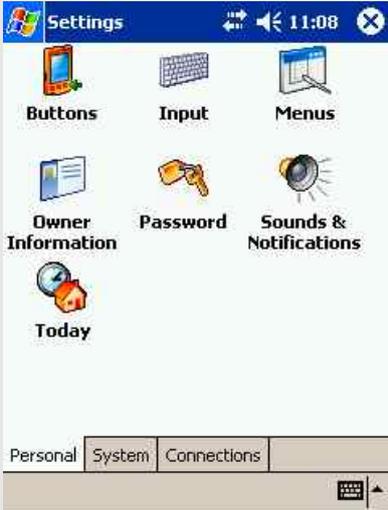
# Uninstalling CIEFFE VisionPocket

## Overview

Whenever you wish to upgrade CIEFFE VisionPocket, it is recommended that the CIEFFE VisionPocket currently installed on the PDA is removed before installing the new CIEFFE VisionPocket version.

## Procedure

To uninstall CIEFFE VisionPocket, follow the steps below.

Step	Action
1	<p>Access the <b>Settings</b> folder on your PDA.</p> 
2	<p>Press the <b>System</b> tab.</p> <p><b>Result:</b> The 'settings – system' screen will be displayed.</p> 

*Continued on next page*

# Uninstalling CIEFFE VisionPocket, Continued

## Procedure (continued)

Step	Action
3	<p>Press <b>Remove Programs</b>.</p> <p><b>Result:</b> The 'remove programs' screen will be displayed with the list of the programs currently installed on the PDA.</p> 
4	<p>Press <b>CIEFFE VisionPocket</b>.</p> <p><b>Result:</b> The following message will be displayed.</p> 
5	<p>Press <b>Yes</b>.</p> <p><b>Result:</b> After a few moments, CIEFFE VisionPocket will be removed and the following will be displayed.</p> 

*Continued on next page*

## Uninstalling CIEFFE VisionPocket, Continued

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### Procedure (continued)

Step	Action
6	Press <b>Ok</b> .  <b>Result:</b> The 'settings – system' screen will be displayed.
7	Press <b>Ok</b> .  <b>Result:</b> The 'system' screen will be displayed.
8	In order to install the new version of CIEFFE VisionPocket, please follow the procedure described in 'Installing CIEFFE VisionPocket' (pg. 20 - 31).

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## 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:

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