Vemotion Viewing Clients

Support Guide

Table of Contents

Change History **5**

Foreward **6**

How does Vemotion work? **6**

Vemotion Software **6**

Vemotion Video Server (VVS) 7

Vemotion Encoder (VE) 7

Local User Interface (LUI) – VB3X Viewer 7

Vemotion Streaming Server (VSS) 7

Vemotion V264 Player and Vemotion Viewer 8

Vemotion Android Encoder (VB-10) 8

Vemotion Proxy 8

Viewing Video via Windows Vemotion V264 Player **9**

Minimum Specification 9

Installing the Windows Vemotion V264 Player 9

Launching the Vemotion V264 player **11**

Licence Key 12

Setting up the Server **12**

Profile name 13

Server host 13

Server port 13

SSL 13

Username and Password 13

Main Screen **14**

Authenticated Video Stream **14**

Options 15

General tab 15

Joystick tab 18

Reverse Zoom Axis 18

Dead Zone 18

Max Speed 18

Interval (ms) 18

Map Tab 19

Tracking with GPS 20

Encryption Tab 20

Name 21

Encoder ID 21

Encoder Licenses 21

E mail Notifications 21

User Access 21

PGP Encryption for recorded files 22

Install PGP4Win v3.1.1 22

Exporting keys to Streaming Server 23
Turning on Encryption for recorded files in V264 24
Turning on Encryption for recorded Files in Streaming Server 24
Checking the encryption is turned on for Recorded Files in Video SERVER on the Encoder 24
The process to download and Decrypt via V264 Player 24
Cleopatra for Decryption of recorded files 25
Display 27
Video Streams in the Vemotion v264 Player 28
Video Stream Indicators 29
Bit rate 29
Stream status indicator 30
Snapshot 30
Record 30
Clear 30
PTZ control – PTZ tab 31
The Pre-set function for Camera Presets 32
To set an Analogue camera pre-set 32
To set an ONVIF camera pre-set: 32
Auxiliary button 33
Recordings tab 33
Video tab 33
JPG tab 35
Camera Tab 35
Profiles and Profiles Tab 36
Users tab 37
Properties tab 37
GPS pin on Map 37
GPS Multiple pins on Map 38
Tracking with GPS 38
Events tab 39
Android or iOS phone Set up for Vemotion Viewer 39
Minimum Specification 39
Installing the Android Viewer. 39
Launching the app 40
Settings 40
Select Server 41
Server 1, 2 and 3 41
Server Name or IP address 41
Username 41
Password 41
Encryption 41

4444 41
PTZ Protection 42
PTZ Automatic locking 42
Message Notifications 42
History 42
Licence Settings 42
Reload preferences from server 42
Viewing Streams 43
History 43
Streams 43
Menu 44
Pan Tilt Zoom operation 44

CHANGE HISTORY

Version	Date	Change Summary	Author
V1.0	25.04.2016	Initial Draft	TPL
V1.1	13.05.2016	Page numbers	TPL
V1.2	26.07.2016	Run Unlicensed	TPL
V1.21	03.11.16	Snapshot from LUI in encoder	TPL
V1.22	08.11.16	V3.5.21	TPL
V1.23	25.11.16	V3.5.21 unlicensed	TPL
V1.235	13.03.16	Google maps	TPL
V1.24	03.04.17	Record on/off	TPL
V1.245	12.06.17	ONVIF presets	TPL
V1.3	28.11.17	Joystick Android Viewer v1.0.4	TPL
V1.35	02/03/18	Record download V3.6.16	TPL
V1.4	12/4/18	GPS v3.6.16	TPL
V1.5	8/8/17	PGP v3.6.20	TPL

FOREWARD

Vemotion specialise in the acquisition of analogue and IP video streams, compressing via H264 and transmission of high quality video over low bandwidth and unreliable networks, as well a cost effective delivery over high bandwidth providers. These networks include, but are not limited to Cellular, Satellite and broadband bearers. Vemotion gives the ability to switch dynamically between low and high bandwidth video streams, adjusting the video quality to suit. HD 1080p streams are catered for and ONVIF compatibility allows integration into Video Management Software (VMS) platforms. Viewing the transmitted stream can be done via a multitude of platforms, from mobile phones to command and control rooms.

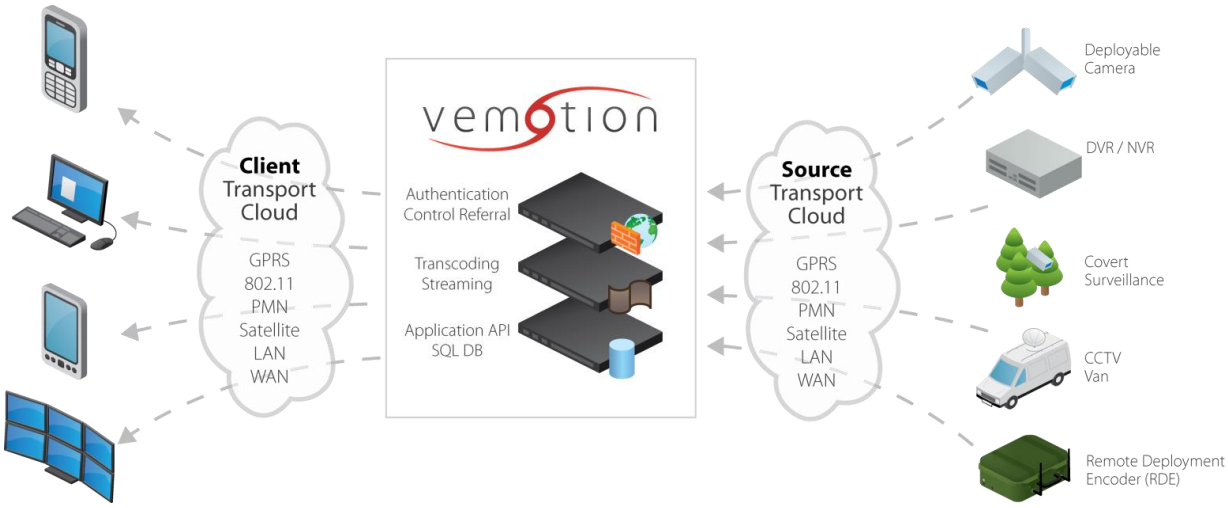
This handbook provides a reference for users of the Vemotion applications. It aims to help you install and set up the Vemotion software.

The system is flexible and may be tailored to meet specific business requirements.

For further details or if you need any extra support please contact Vemotion.

HOW DOES VEMOTION WORK?

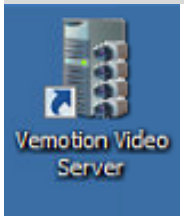
Vemotion specialise in innovative video compression enabling multiple live video channels to be transmitted to a server and then multi cast to a platform of your choice. You can allocate available bandwidth between channels, increasing picture resolution to view a scene of particular interest.



VEMOTION SOFTWARE

There are many software applications that work in conjunction with one another allowing video streams to be taken from any source and transmitted to the viewing client.

Vemotion Video Server (VVS)

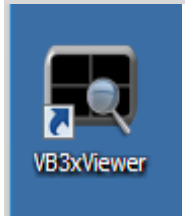


The VVS allows you to program how many cameras you wish the Encoder to have access to by adding a channel per camera. The VVS also allows you to record the camera of your choice at the specific resolution, bit rate & frame rate desired. It also permits you to add either analogue or IP Cameras. It then sends the streams to the Vemotion Encoder software to begin processing.

Vemotion Encoder (VE)

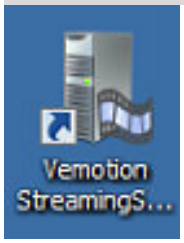
The Vemotion Encoder transcodes live video captured from the camera into highly-compressed data finding a perfect balance between quality and compression.

Local User Interface (LUI) – VB3X Viewer



The VB3X viewer will allow you to connect directly to the Vemotion Video Server to enable a live stream from the camera to be viewed on the Hardware Encoder itself acting as a PC or to enable the video feed to be viewed on an HD screen.

Vemotion Streaming Server (VSS)



The Vemotion Stream Server is used to consolidate and distribute the Vemotion video streams.

Vemotion V264 Player and Vemotion Viewer

This is the software that displays the live video on the viewing device of your choice, be it CCTV control rooms, PC, laptop or Android & iOS phones or tablet. The software not only displays the live video, it also enables various control options.

Vemotion Android Encoder (VB-10)

This Vemotion Android Encoder will allow your phone to become the Encoder and stream video to the Streaming Server.

Vemotion Proxy

This software allows connection to a network video stream from the Vemotion Streaming Server from ONVIF/RTSP and web clients. These clients can be viewing management software, to recording devices and the video stream is in an open format compared to the stream that is viewed within the Vemotion Viewers and Players.

Vemotion Viewing Clients

Support Guide

VIEWING VIDEO VIA WINDOWS VEMOTION V264 PLAYER

The Vemotion Windows V264 player is an application for a PC, that allows the user to view encoded video that has been transmitted by the Vemotion Encoder, via the Vemotion Streaming Server in a console style layout.

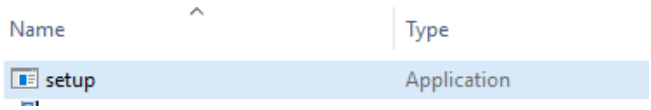
The Player is a windows-based software application that can be installed on any suitable laptop or PC. This user guide will assume that all relevant hardware and software requirements / dependencies have also been installed and are working correctly.

Minimum Specification

The VSA should be installed on a Windows 7 or later operating system with a 2 GHz processor, 2G of RAM and 40G Hard drive.

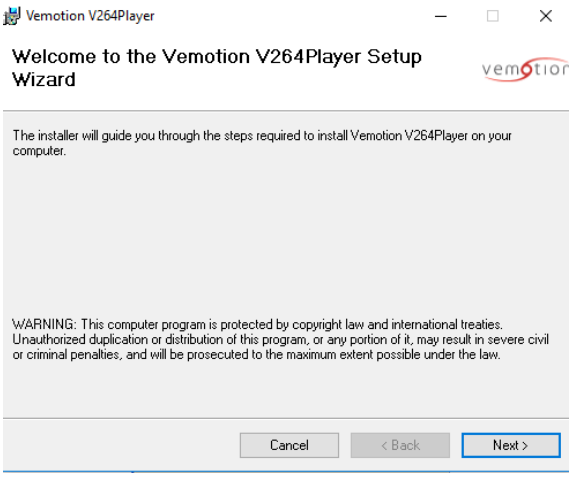
Installing the Windows Vemotion V264 Player

Go to http://www.vma.vemotion.com/downloads/ Click on the V264 player and save to your laptop. Once the file has been saved to your laptop it will be in a zip file. Right click the zip file and extract all. Once extracted double click on the folder and then double click on the set up application.

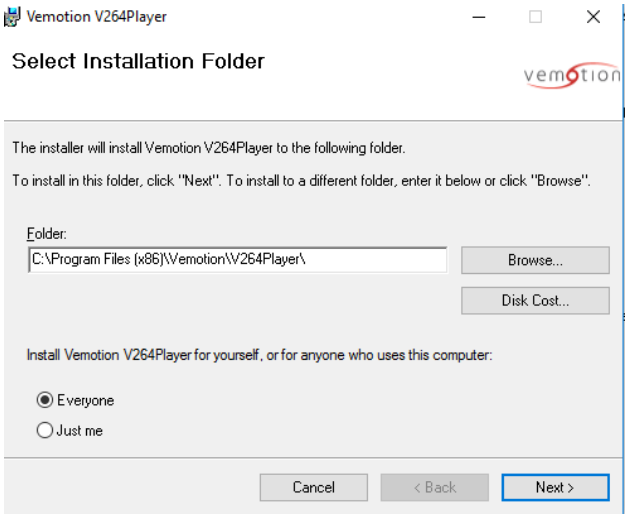


Once you have doubled click the setup.exe file installation will start.

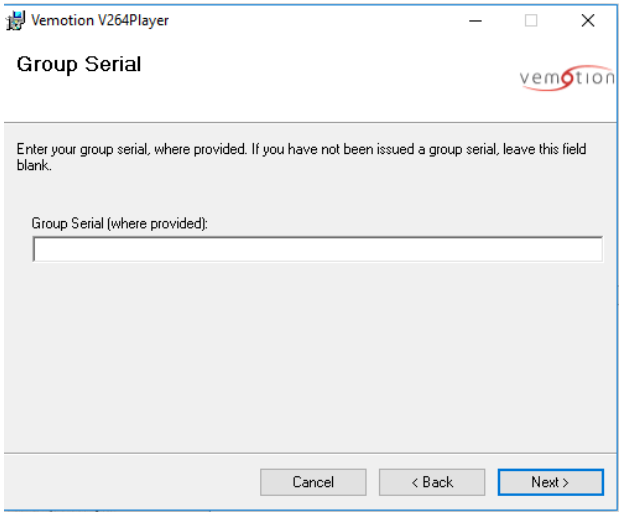
Follow the Setup Wizard to complete the installation, there is a support guide available should you need it. First page click next;



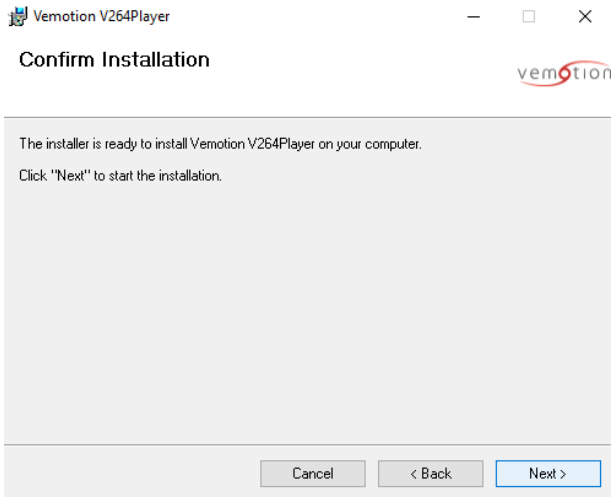
Click next on the select installation folder as this is already prewritten in



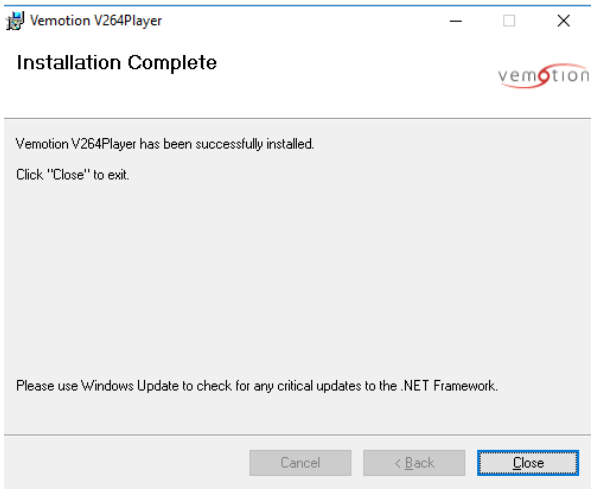
Ignore Group serial press next



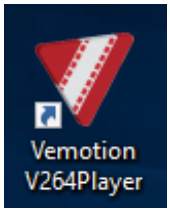
Confirm installation by pressing next



Installation complete press close

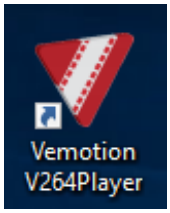


No go to your desktop and find the V264 player icon

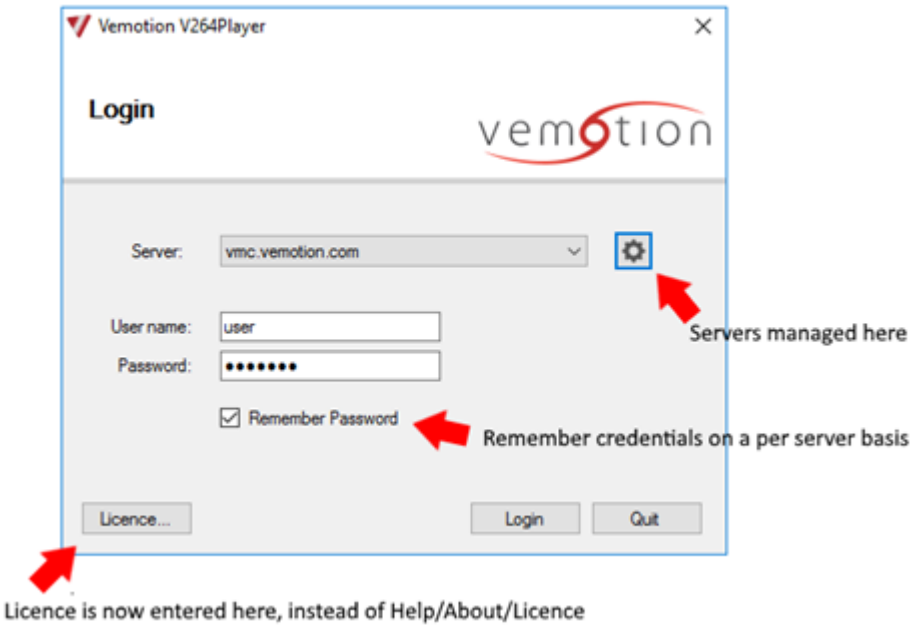


LAUNCHING THE VEMOTION V264 PLAYER

Double-click the 'Vemotion Player' Icon from within Windows or on the Desktop:

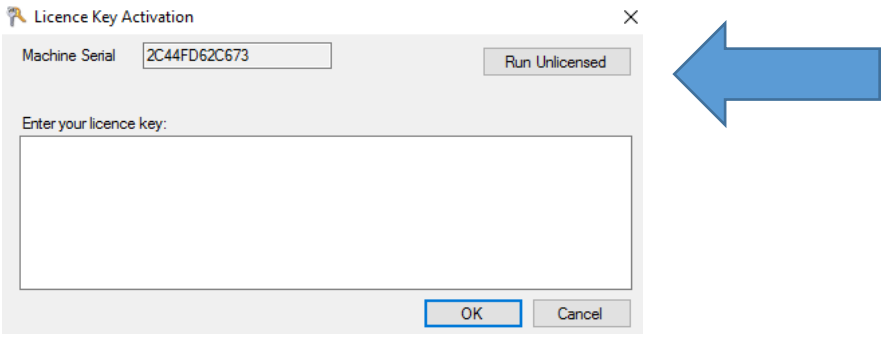


The following Login screen will appear:



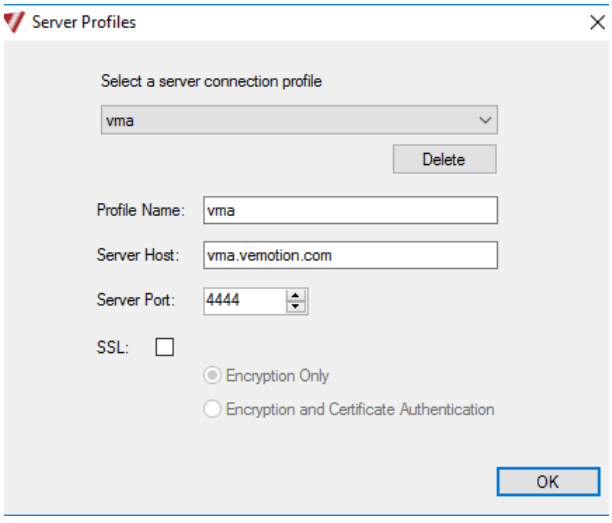
Licence Key

Press the License button to get you to the following page and click on Run Unlicensed.



SETTING UP THE SERVER

Click on the server cog to manage the server. This will open up the following page;



Go to the drop down box and enter new.

Profile name

Add in the name of the hosted server. This will be shown at the top of the Vemotion player page every time you open the icon so you can see what server you are connected to.

Server host

Add in the Dynamic DNS for the server host, in this instance vma.vemotion.com or add in the IP address. Plus username and password that you have been supplied by the administrator of your server.

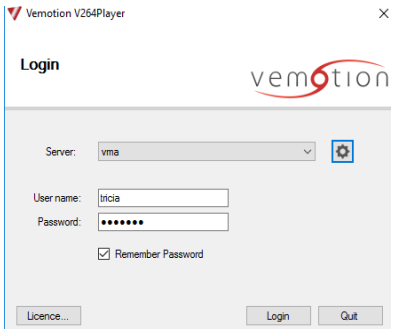
Server port

Vemotion server ports are automatically set as a default of 4444. You can change this, however make sure that port is free to use.

SSL

SSL (Secure Sockets Layer) this is a standard security technology for establishing an encrypted link between a server and a client. Tick this if you want to use encryption and if you have a self-signed certificate tick encryption only, if you have a certificate that you have loaded onto your viewing machine then tick Encryption and Certificate Authentication. You will note that the Server port number changes to 5555.

Press OK to go back to the Login Page



Username and Password

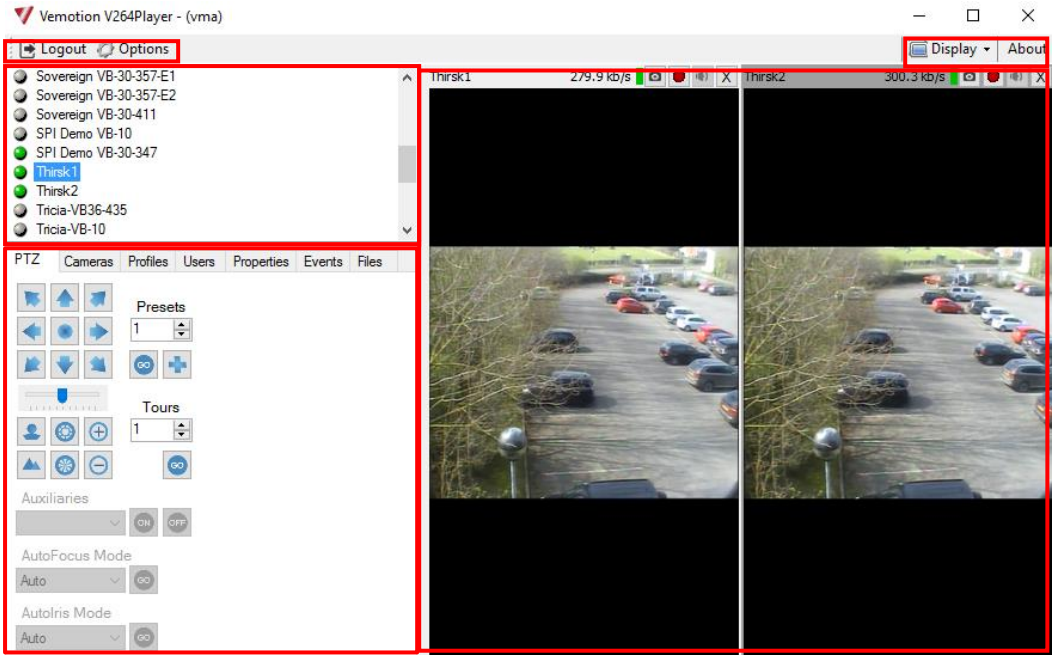
This will be assigned to you by your administrator of your server, it will match the credentials in the Streaming Server. Please see Users Section in the Streaming Server Support Guide.

Tick the Remember Password if you always want to remember your password, if on a shared machine then do not tick this box.

Press Log in to bring you to the main screen. You should see a list of encoders you have access to on your username and password.

Server unavailable means you either have no network connection or the server details and username and password are incorrect.

MAIN SCREEN



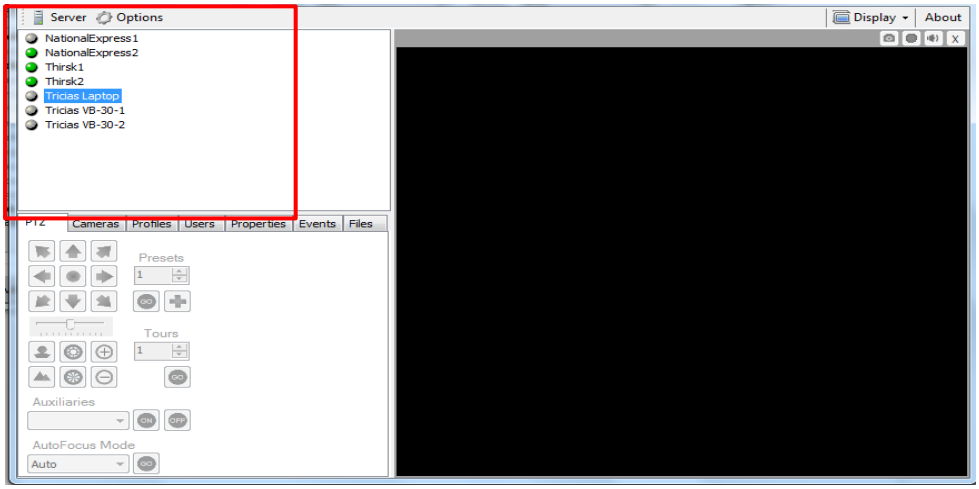
The Viewer window is split into three main sections. The left-hand side of the screen shows the list of available Video Streams and a Controls and Users pane. The right-hand side will, once they have been selected, show the encoded videos from particular streams.

There are also four buttons across the top of the screen; **Logout**, **Options, Display and About**. Please see later sections for more details on these features.

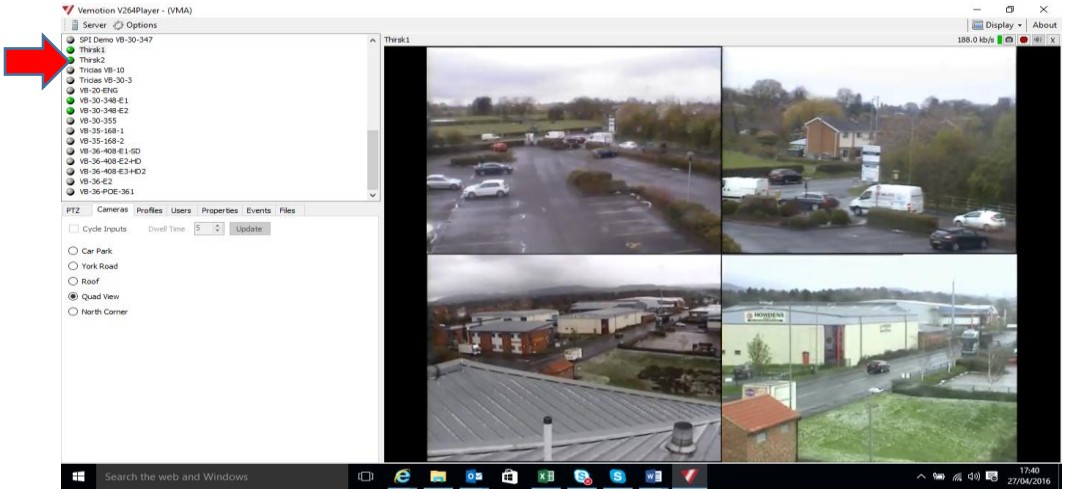
The Logout button allows you to direct your Player at the server of your choice by going to the server page and allowing you to select the server of your choice. Please see 'Setting up the server' above this section.

AUTHENTICATED VIDEO STREAM

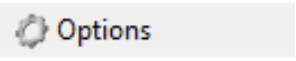
Having entered your server profile details correctly, in the top left box you should be able to see all streams that you have been authenticated to view.



Once green double click on the stream you wish to view. Or drop and drag into the black box.



Options

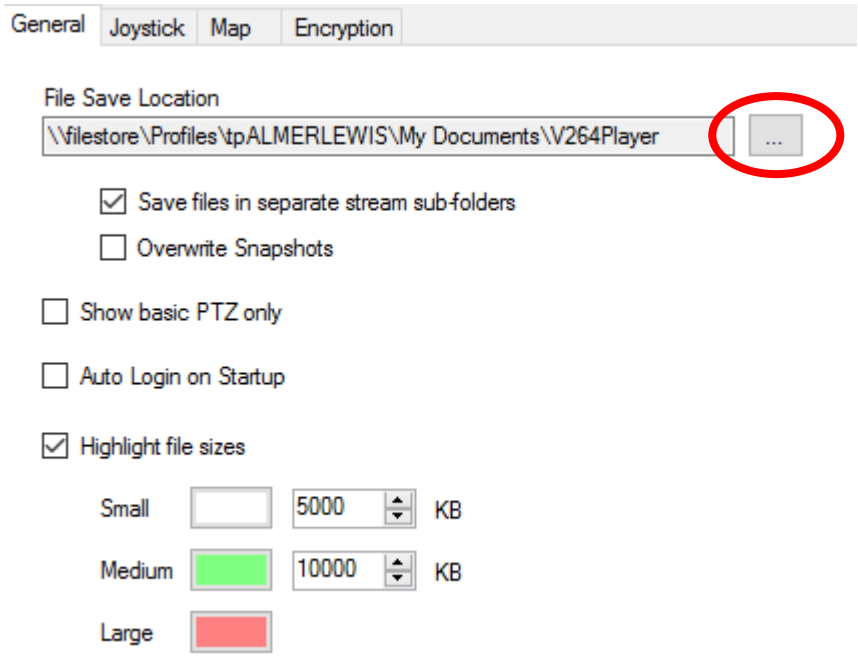


When this option is selected the following screen appears with four tabs, General, Joystick, Map and Encryption

General tab

Saving recordings to a specific place

Here you can designate where you want your recordings to be saved by pressing the box with three dots you can pick a folder on your laptop/computer of where you wish recordings to be saved.



File save location e.g. C:\Users\<user>\Documents\V264Player

If you go to this folder you will then see three different folders, for images, downloads and recordings as per the below:

C:\Users\<user>\Documents\V264Player\images - for snapshot images folder

C:\Users\<user>\Documents\V264Player\downloads - for file downloads folder

C:\Users\<user>\Documents\V264Player\recordings - for local recorded files

Save files in Separate sub folder

If save files in separate stream sub-folders is unchecked, then files for all streams will be dumped in these 3 locations discussed above.

If checked, there will be further sub-folders below these 3 locations, for each encoded stream

e.g.

C:\Users\<user>\Documents\V264Player\images\thirsk1

C:\Users\<user>\Documents\V264Player\images\thirsk2

Overwrite snapshots

If unchecked each file gets a new name, consisting of stream name & date time

e.g. 20171106-1120000-Thirsk1.jpg

If checked it will be stored as just stream name .jpg and will be overwritten each time you take an image.

e.g.Thirsk1.jpg

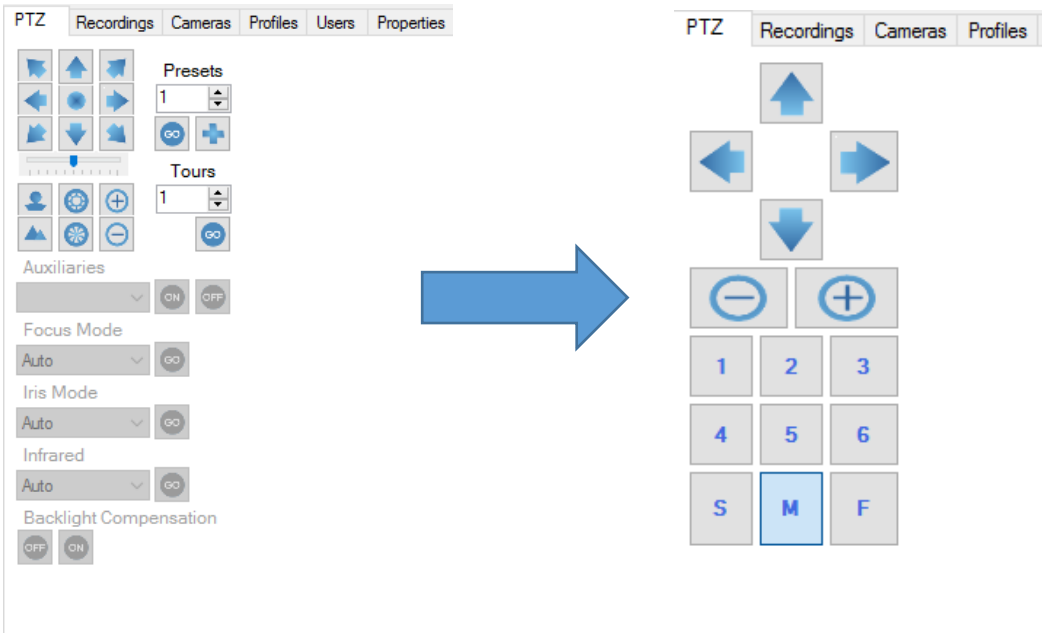
Auto Login on Start up

If you do not want to have to log in every time you load the V264 player please tick this box, it is unadvisable to do this on a shared laptop/computer.

Show Basic PTZ

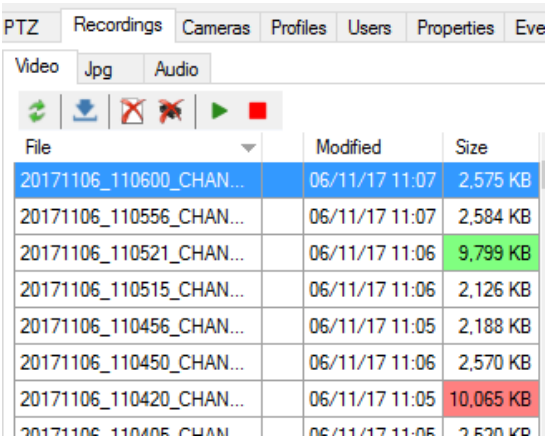
By ticking - show Basic PTZ

You can create a different more simplistic PTZ graphic, please see below;



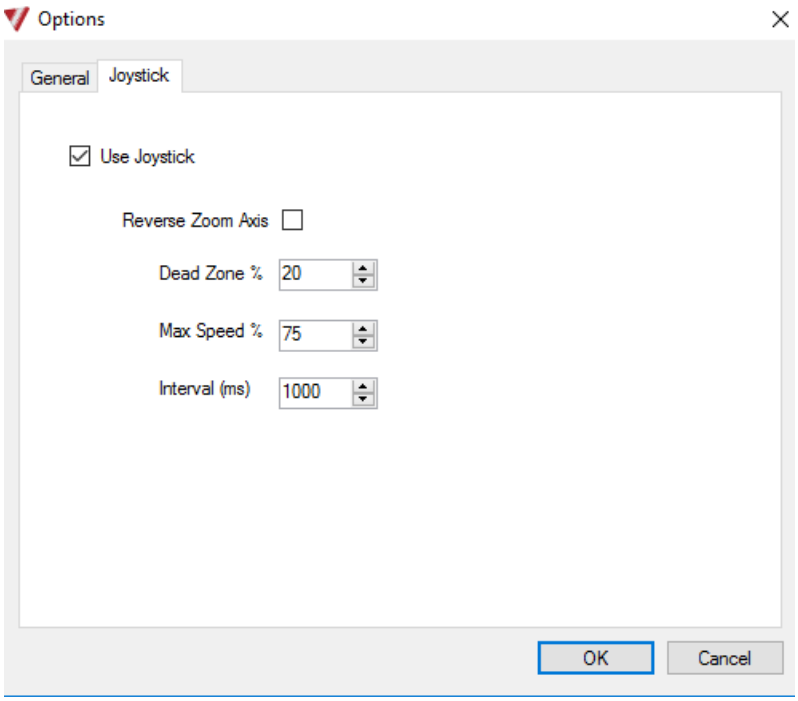
Highlight File sizes

By ticking this box you can have an easier way of identifying small, medium and large recorded files on the encoder itself as this is crucial if you wish to download them. You can set how many kilobytes you would like to classify small, medium and large and they will then be highlighted as below when you look through recorded files on the encoder.



Joystick tab

It is possible to add a USB joystick to your Laptop or computer in order to perform pan tilt and zoom of PTZ cameras. If you are not using a joystick it's always better to leave unchecked, otherwise the app will constantly try to poll for one.



Reverse Zoom Axis

We don't currently offer the ability to configure what buttons/axis of a joystick do what, so we make some assumptions. All joysticks support X and Y axes, so these map on to pan and tilt.

Not all joysticks have all of the following, Ry axis, Rz axis, Z axis, buttons 0 and 1.

So for zoom we query the above and use the first we find. Because some devices do the opposite to what you would expect in relation to a zoom in/out command, the option is there to reverse the behaviour.

Dead Zone

This is the amount of travel the joystick has to make before we consider the user to have moved it. Some joysticks don't sit still when at rest, so this prevents a wobbly joystick from constantly issuing a ptz command.

Max Speed

Some controls/cameras were difficult to make move at slow speeds with a joystick, especially if the camera doesn't support a wide range of speeds. This slows all the ptz commands down, to a percentage of their maximum, allowing them to be controlled easier at slower speeds.

Interval (ms)

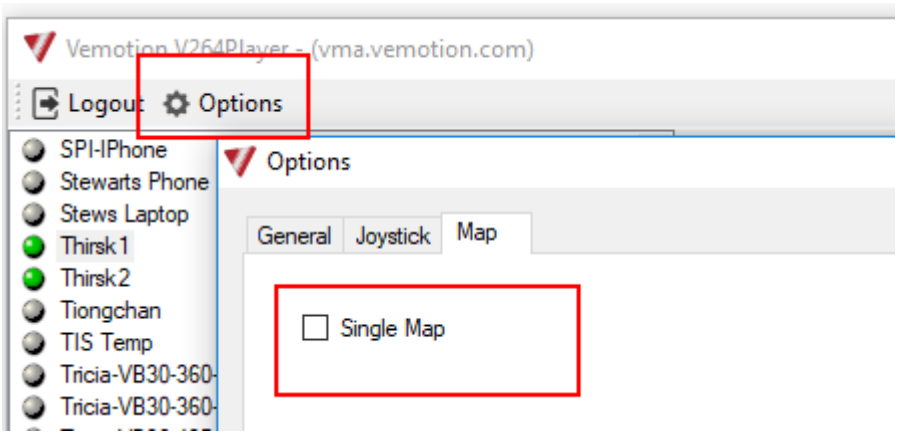
This is the interval between different commands of the same type being sent, to prevent a joystick from flooding the network communications with PTZ traffic.

So if you start a pan operation, this would be sent immediately, and if you then let go a stop would be sent immediately.

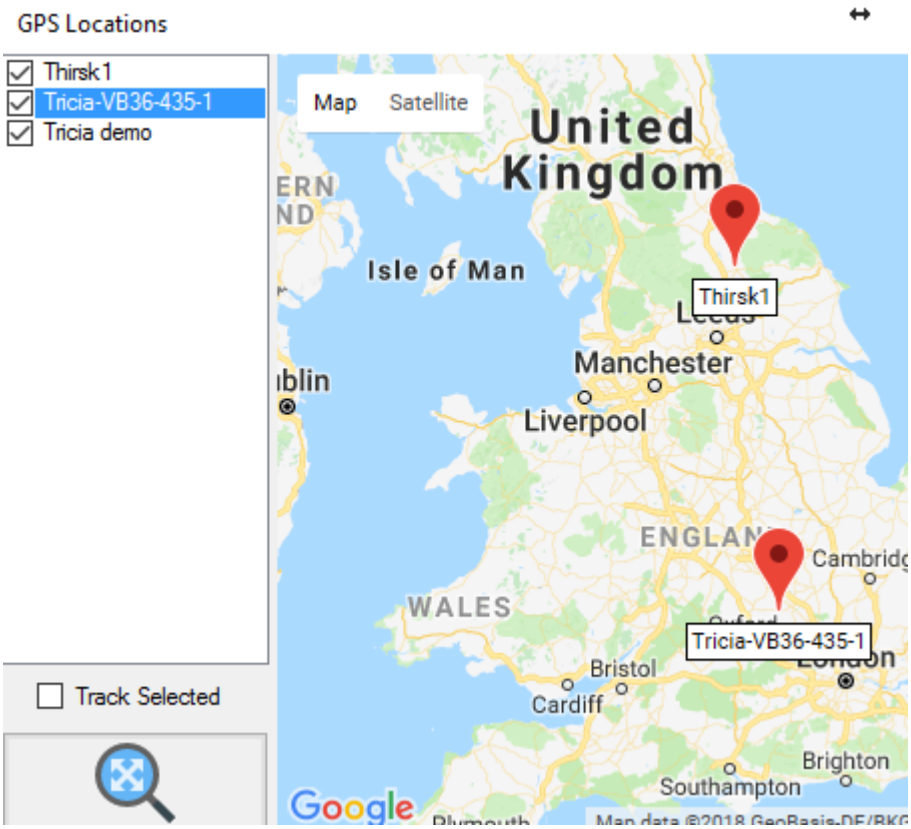
But if you start panning at 50% speed we send immediately, then if you move the joystick all the way to 100%, (i.e. no stop) there would be a delay of this interval value before the adjusted value is sent.

Map Tab

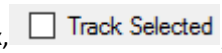
In the Options button, top left, there is also a tick box on the map tab in order to see multiple pins on a single map.



If this is ticked you can see multiple encoders if they are all streaming video of not, if you have ticked the box next to the encoder, you will see the pins on the map as below. If you cannot see all the encoders click and this will enable you to centre the map so all can be seen.



Tracking with GPS

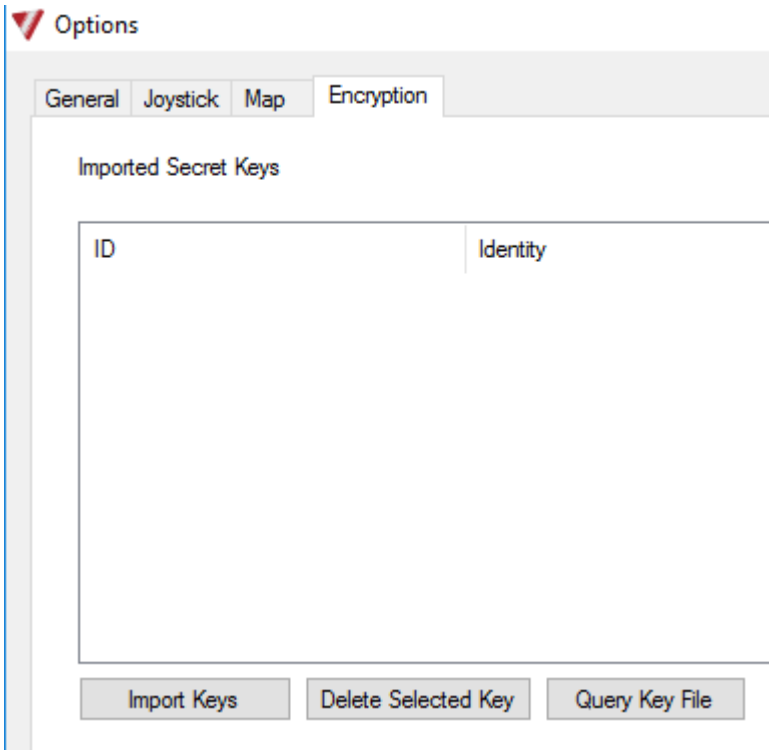
Ticking the Track Select box, 

, will keep the currently highlighted encoder

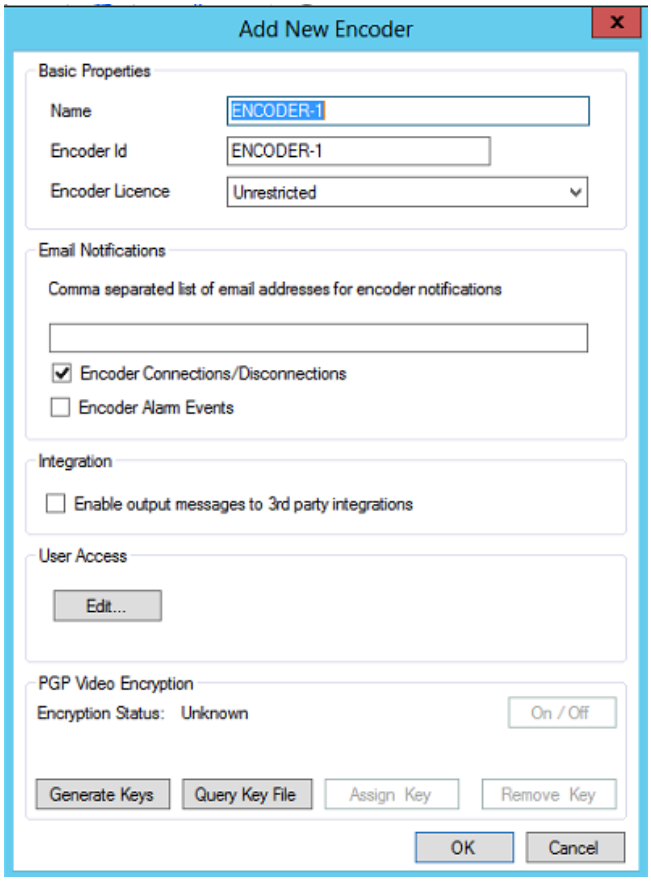
centred in the map. As per below:

This will remain in the middle of the map whilst the encoder is on the move.

Encryption Tab



Click add Encoder, and Add new encoder page will appear.



When you are adding an encoder you will need to specify a number of details:

Name

Enter the encoder name, it is sometimes helpful to add either the camera name or the location of camera. This is the name of the encoder that will be presented to the user in the list of streams they can connect to.

Encoder ID

An encoder ID will need to match that of your encoder i.e VBOX356-1. The Encoder ID is the key to being able to connect to the server. This can be any string and the relevant encoder must be configured to match.

Encoder Licenses

Add in the type of encoder you are adding ie VB10 or VB-30

E mail Notifications

You can enter a list of comma separated email addresses in here. Recipients will be sent an email notification when an encoder connects or disconnects from a stream channel on the server or when an alarm has been activated through the encoder. A suitable mail server must be configured for this feature to function.

User Access

By pressing the edit button you can allow specific users access to this specific encoder.

Click ‘OK’ to save.

PGP Encryption for recorded files

PGP encryption allows the user to be able to assign keys to the encoder in order to encrypt the recorded files. Keys can be produced by bespoke software or a common standard like PGP4Win v3.1.1. The process of encryption and decryption will require Streaming Server to push the keys to the encoder and V264 to decrypt once downloaded.

Keys must be saved to the machine running the Streaming Server but it is easier to produce the keys on the viewing machine you will be downloading recorded files to.

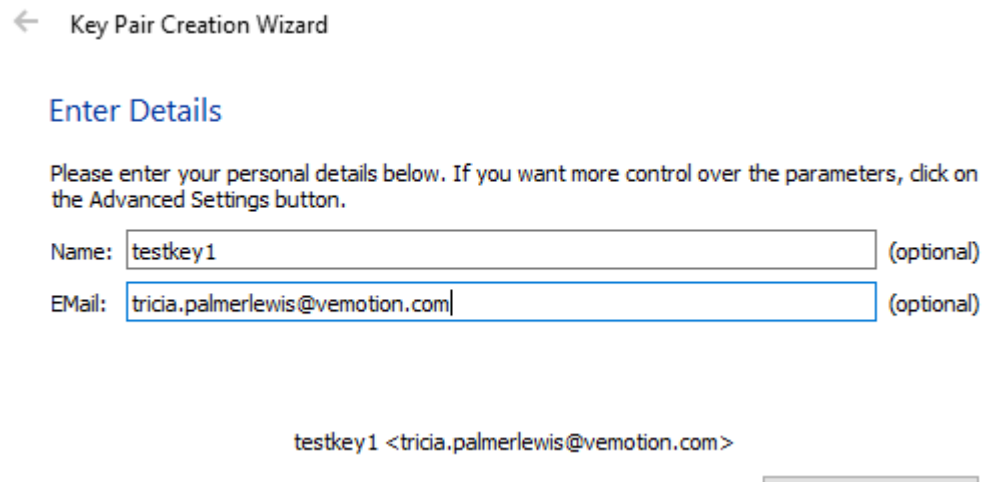
For example we discuss how to produce keys in the machine running V264 Player below

Install PGP4Win v3.1.1

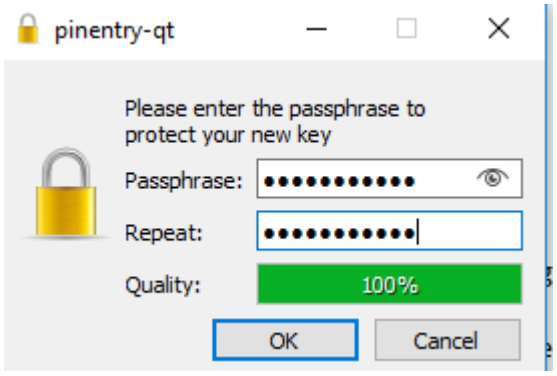
Install PGP4Win to your laptop running V264 Player.

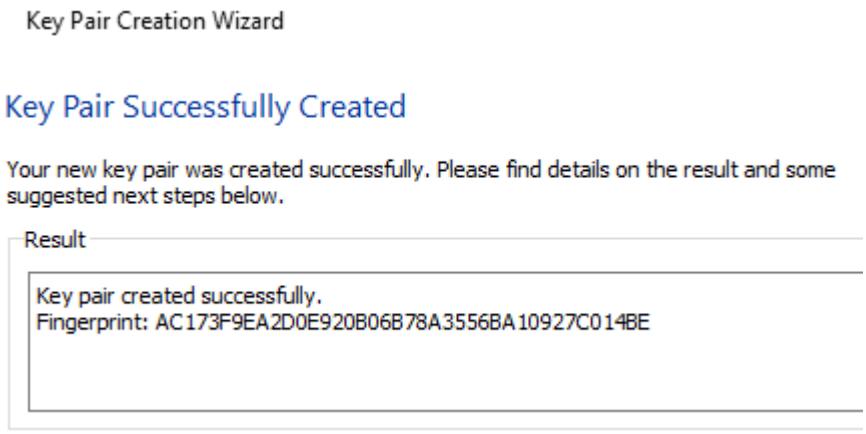
Run Kleopatra, generate new key pair

Name=testkey1 and add email address, press next and then Create.



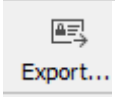
Enter passphrase which will be required on the machine to decrpt





You are finished.

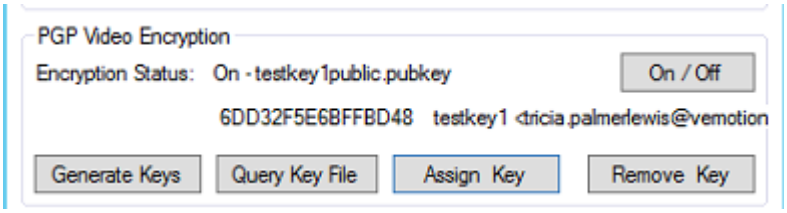
Exporting keys to Streaming Server



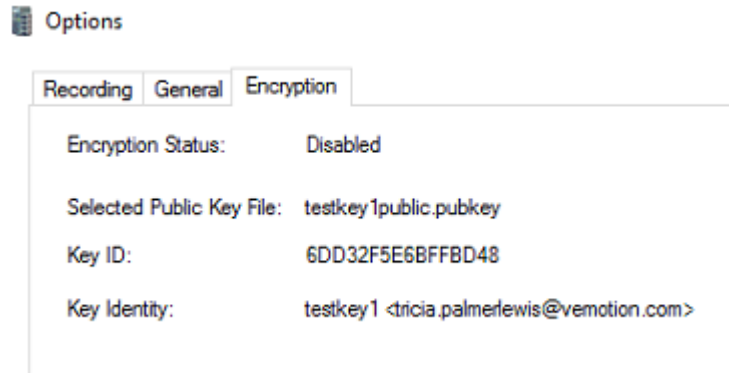
Export to your desktop and name .pubkey ... testkey1public.pubkey (make sure it does not save as .asc at the end)

Copy and Paste to the streaming server machine

Pick the encoder that you wish to encrypt the recorded files and Assign Key by pressing assign key and then picking the .pubkey from the desktop.

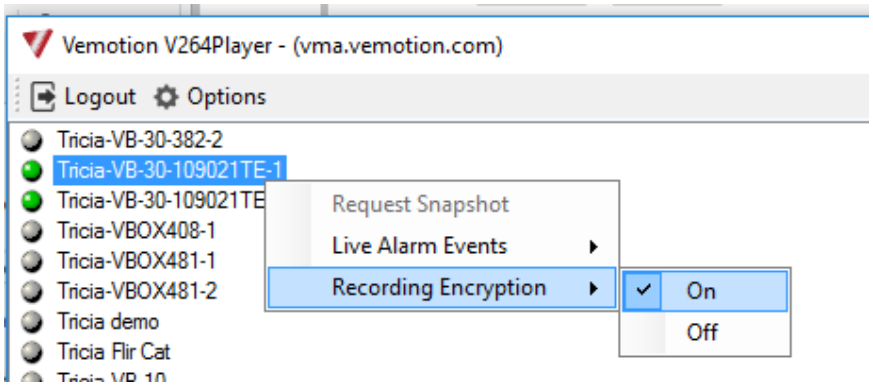


This will automatically update the remote encoder with the key you have chosen. So when you go into options on the VIDEO SERVER on the encoder you will see the key already assigned. Please note this is still says Encryption status disabled.



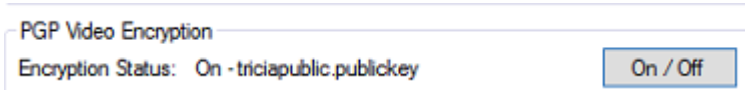
Turning on Encryption for recorded files in V264

In order to turn the encryption on you must go to the V264 Player, right click the encoder you wish to encrypt the recorded files and click on;



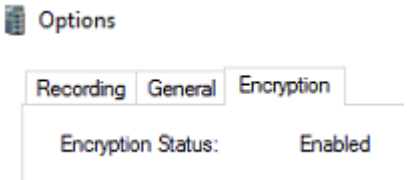
Turning on Encryption for recorded Files in Streaming Server

When you come to edit or add an encoder, AFTER you have assigned keys you can easily turn the Encryption on and off using the toggle switch.

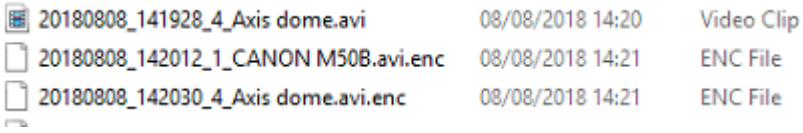


Checking the encryption is turned on for Recorded Files in Video SERVER on the Encoder

In the encoder you will now see Encryption Status Enabled.

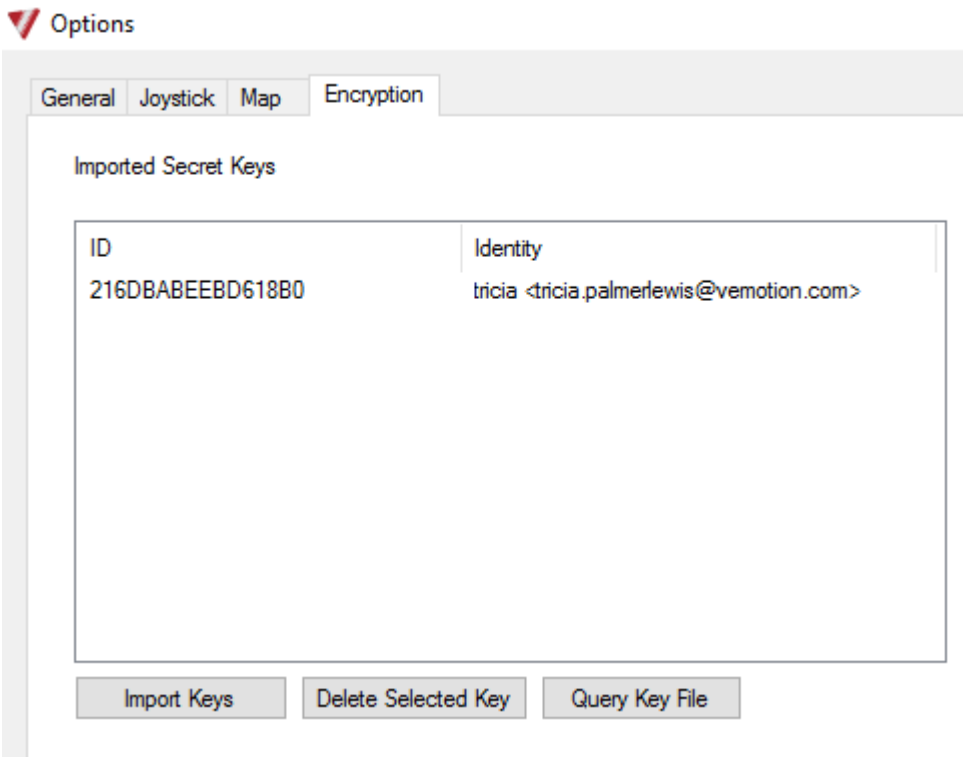


If you now go to the recorded files on the encoder you will note they are encrypted = .avi.enc

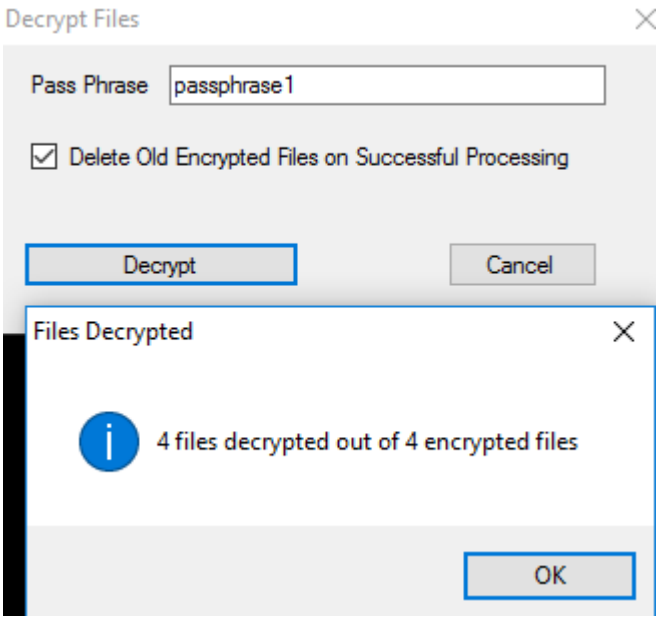


The process to download and Decrypt via V264 Player

First you must set up the secret keys in V264 itself. Go to Cleopatra, file and export secret key to your desktop. Then go to V264 Player, Options and Encryption tab and Import Keys, then import the secret key you have just saved to your laptop.



When you come to download the files you will be asked to enter the passphrase to decrypt the files straight to your computer.

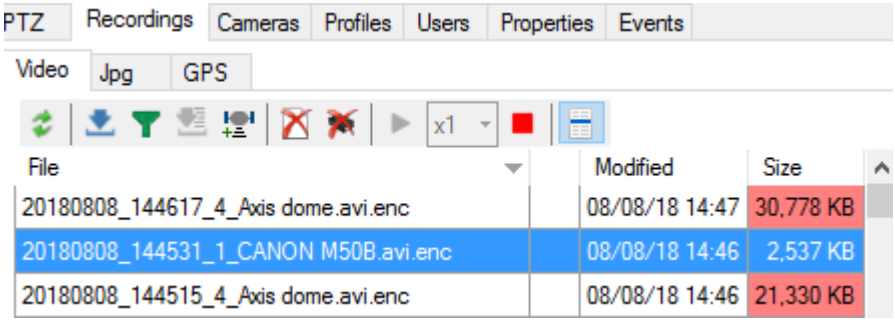


You will now be able to play this immediately into windows media player or VLC.

Cleopatra for Decryption of recorded files

If you do not import the secret key to V264 you can still decrypt but using Cleopatra

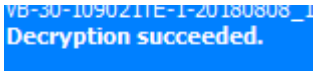
Using the laptop that has been used to generate the keys for the encoder that you have pushed to the encoder via the streaming server. Go to download a recording as you would normally by finding the file to be downloaded and press the download button. You can see that files are encrypted by the avi.enc



When the download has finished onto your laptop the following Decrypt files box will appear. Ignore, press cancel.

Open Cleopatra and press decrypt

Choose the file you want to decrypt and enter the passphrase when it asks. You will get a text box with

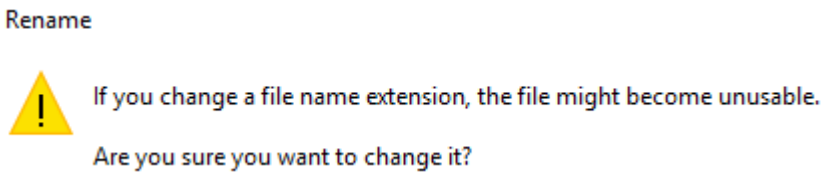


Then press SAVE ALL.

The file that will have been decrypted will now say CANON M5[illegible].avi.enc.out

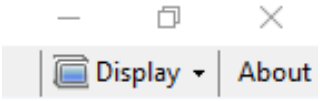
Rename the file to just .avi

It will ask you



Press yes and now you can play the file

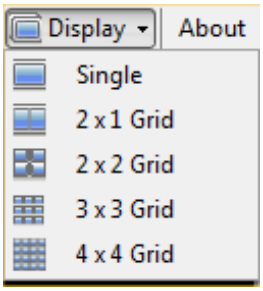
DISPLAY



The number of display screens can be viewed in different ways, depending on the number of streams or personal preference. To change the display:

- Click 'Display.'

You will see the display options.



Single *(1 screen)*

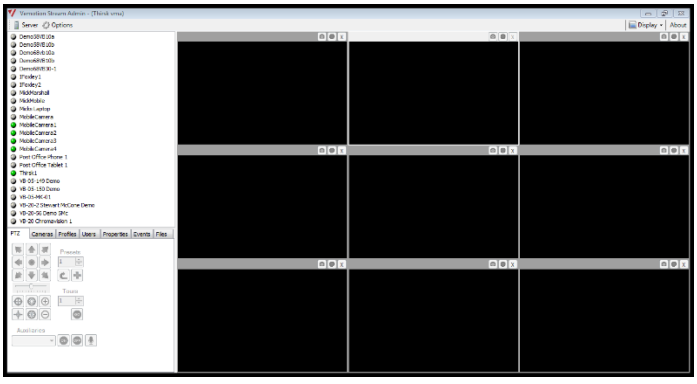
2 x 1 Grid *(2 Screens)*

2 x 2 Grid *(4 screens)*

3 x 3 Grid *(9 screens)*

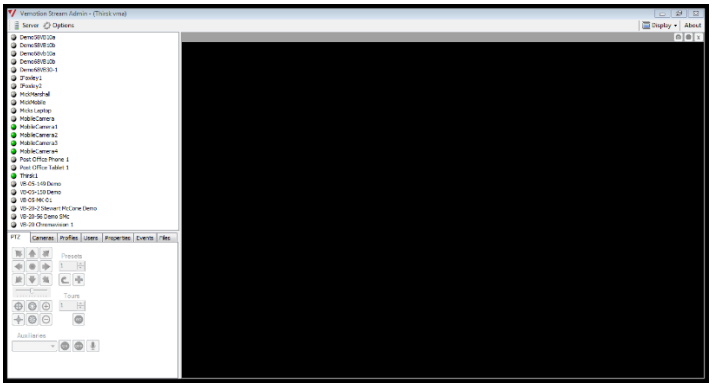
4 x 4 Grid *(16 screens)*

Depending on the option you select, the corresponding configuration of display screens will appear.



(3 x 3 Grid)

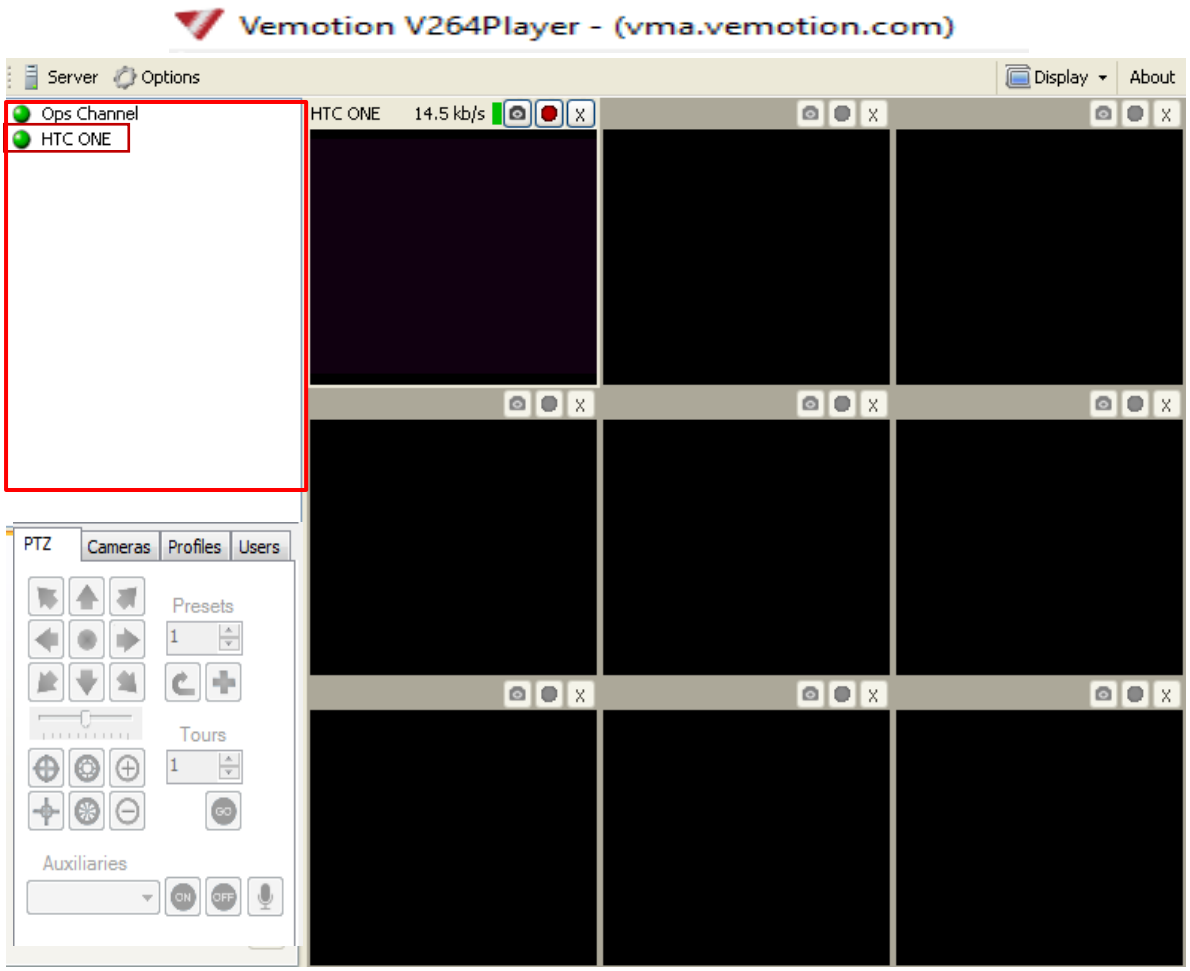
(2 x 2 Grid)



(Single)

Depending on the number of video streams you have available, this will then determine which display works best for you.

VIDEO STREAMS IN THE VEMOTION V264 PLAYER

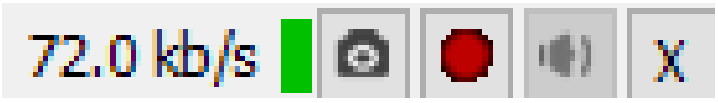


If the circular indicator next to the video stream is Green, this indicates that the stream is on line and available to view.

If the circular indicator next to the video stream is Grey, this indicates that the stream is off line and not available to view.

Video Stream Indicators

The screen with the light coloured header indicates that it is receiving a video stream. Within this header there are a number of indicators and control buttons as shown below.



Bit rate

This displays the bit rate at which the video stream is being transmitted in Kilobits/Second.

Stream status indicator

If Green, data has been received within the last five seconds.

If Red, data has not been received within the last five seconds.

Snapshot

If this button is selected at any time it will take a snapshot of the video stream and by default store it in the My Pictures folder on the PC. This can be altered using the options function as explained earlier.

Record

To start recording a video stream to your laptop that you are viewing the stream from, select this button. Whilst recording the button will flash.

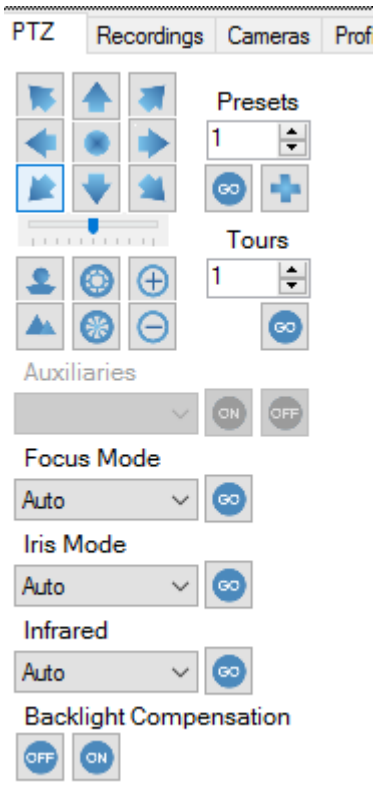
To stop recording select the button again. The button will stop flashing.

By default the video recording will be stored in the My Videos folder on the PC. This can be altered using the options function as explained earlier.

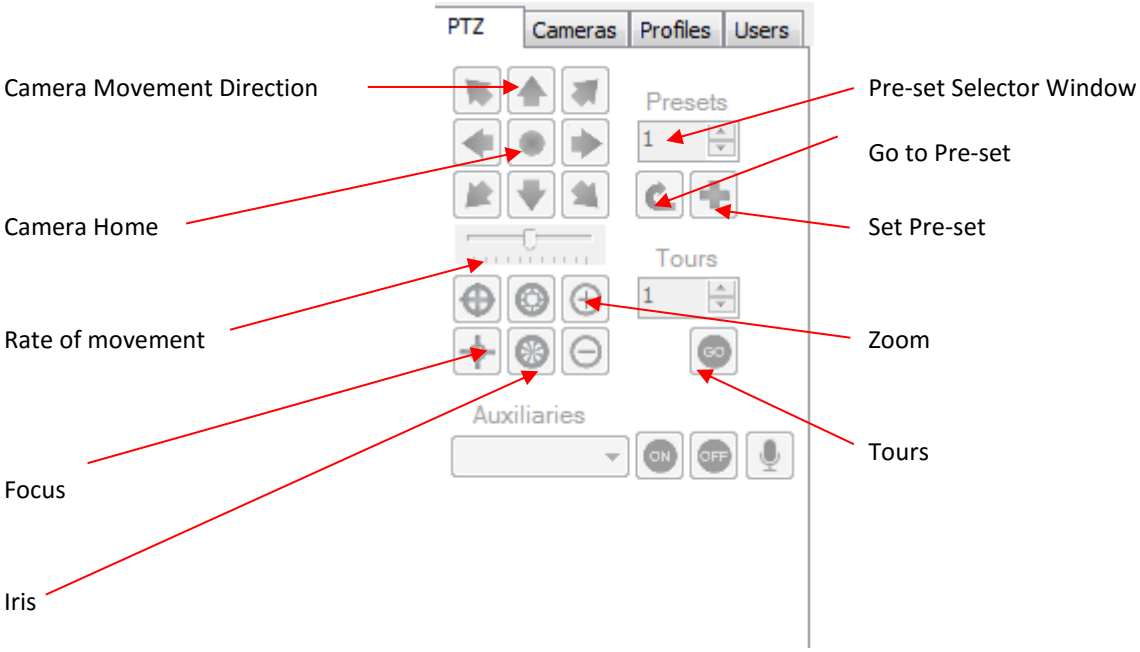
Clear

Select this option to stop the Video Stream.

PTZ CONTROL – PTZ TAB



If all of the above functions are available they are in colour and if greyed out they are not available. The rate of movement will have a green slider if available.



Camera Control	Function
Camera Movement Direction	Moves camera in the direction of the arrow
Camera Home	Move the camera back to its home position
Rate of Movement	Adjusts the speed at which the camera moves
Focus	Adjusts the focus of the image
Iris	Adjusts the brightness of the image
Zoom	Allows the user to zoom in and out for the optimum size of image

The Pre-set function for Camera Presets

This allows the user to set predetermined positions of the camera.

To set an Analogue camera pre-set:

- Position the Camera to the desired position using the Camera Movement Direction Keys
- Select the Pre-set number ‘x’ required in the Pre-set Window
- Click the ‘Set Pre-set’ Button

For later retrieval with a "go” to preset ‘x’ command.

In V264Player you enter the number of the preset you want, then press either the Go or + button underneath.

To set an ONVIF camera pre-set:

ONVIF cameras do not to use a number based system and instead use a "name" based system.

So the current behaviour for ONVIF cameras is that our applications reads the preset that are already configured within the camera, then indexes into this list when you issue a set or ‘go’ to preset command. Hence the camera must be configured before Vemotion software is configured.

It is not possible to set a preset through Vemotion it must be done via the cameras web interface.. So for example set the camera with:

Preset1

Preset2

Preset3

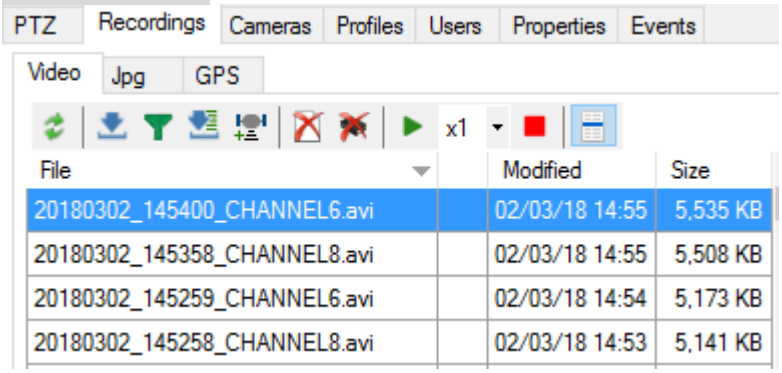
Then ‘go’ to preset 1, 2 or 3 and that will also overwrite any existing position for preset 1-3. However if you set or ‘go’ to preset 5, it won't do nothing as it doesn't already exist.

Once set up in the Vemotion software, no further changes can be done. For example if you added another preset via the cameras web pages, each camera has a different way of adding the preset and it may not be in order. Hence it may not mirror the presets in Vemotion software anymore which could cause confusion.

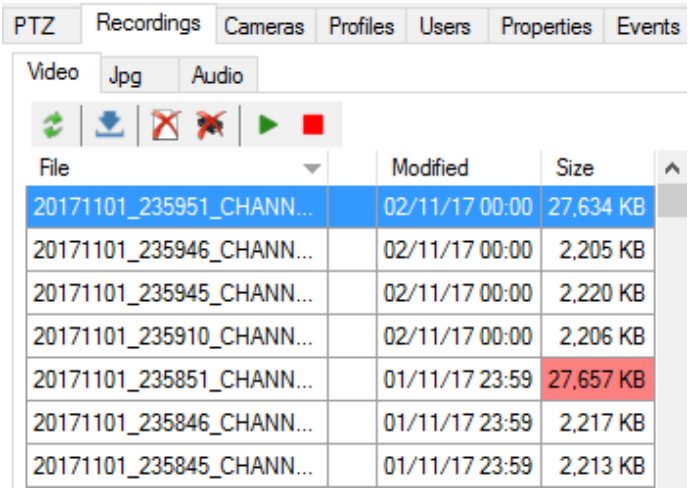
Auxiliary button

If the camera being viewed has auxiliary function for example wiper, these functions are controlled from here.

Recordings tab



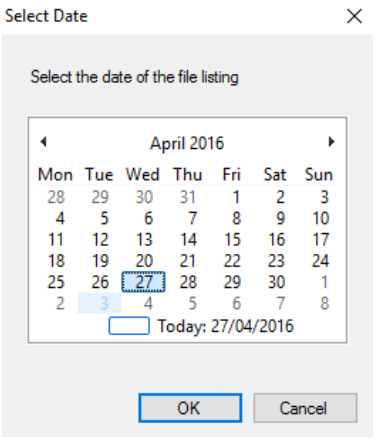
The files tab enables the user to download and delete files stored on the hard drive on the encoder. These files can then be played or stored on your PC. Files available are JPEG, video, audio and log files.



Video tab

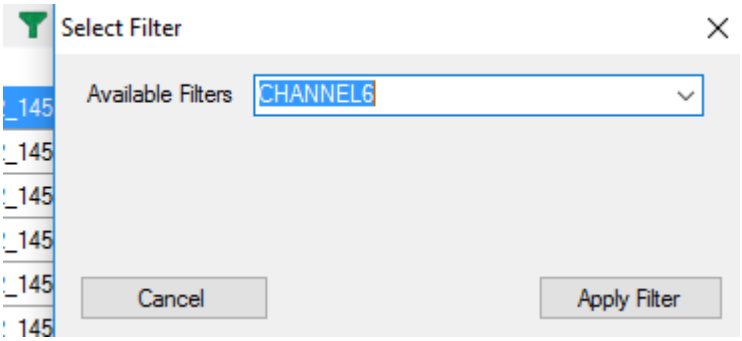
Click on the encoder you wish to see recordings from. Chose the Video tab and click on the circling green arrows.

This will bring up a calendar where you can choose the day you wish to see recording from, click ok.



Once the day is selected, the streams in individual files will be displayed in the bottom left hand part of your screen. You will also have a number of buttons to help you download the specific recordings.

Filter



This will allow you to select a channel/camera for filtering so you can only see recordings from a specific camera, Channel/Camera6 in this instance.

Download and Stitch

This button will allow you to download and stitch together files. Therefore highlight the first file from the specific camera you have just filtered for. Holding the shift button highlight the last file of the timeline you wish to download. The download and stitch button will become greyed out and it will start download, you will begin to see a green bar appearing in the second column which will signify the amount of file already downloaded. If at any time you wish to cancel the download press

Get Associated GPS data on Download

If your encoder has a GPS device connected and you wish to download the recorded video file with the GPS meta data contained within. Click the following icon so it then turns blue . Then all recorded video files will contain GPS data for third party software to be able to interrogate.

By selecting a line you can choose to play back a certain time of day by pressing play. If you then choose to download the full file this you can do so by pressing the download button and you can view in full resolution and frame rate according to that set in the Vemotion Video Server software. If you wish to download all files

from that day highlight the file at the top of the list scroll down to the bottom and whilst holding down the shift button click the last file. All will be highlighted and then press the download button

The replay and download will be time and date stamped if that option has been ticked in the Vemotion Video Server software;

Files are saved to the designated folder that has been chosen in the Options button at the top left of the page

Delete a specific file

Select file you wish to delete and press above button

Delete all files from the encoder

If you wish to delete all recordings from the encoder you are connected too, press the above button

Play file

Highlight any one of the recorded files and press the play button to view the recording. This will enable you to view the recording over the network at whatever the bandwidth is capable of.

Stop Playback

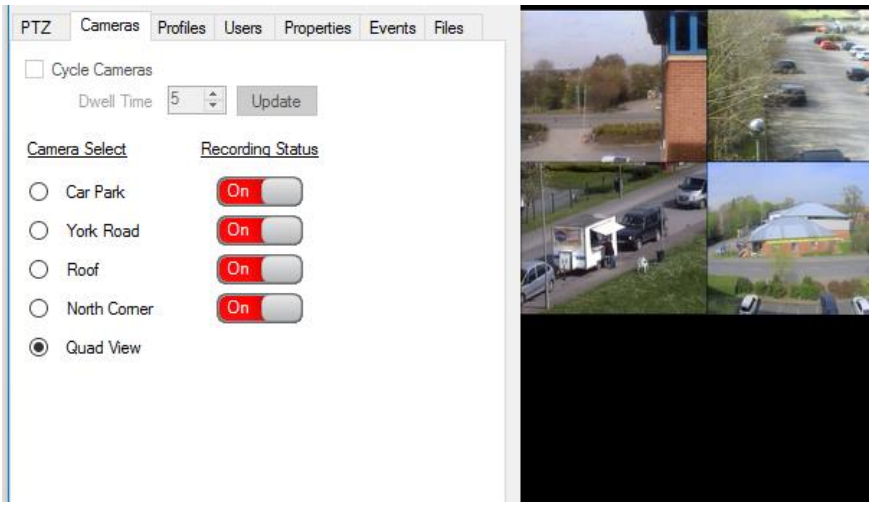
If at any time you wish to stop the playback press the stop button

JPG tab

JPG tab allows you to view any snapshots that have been taken using the Local user interface software installed on the encoder.

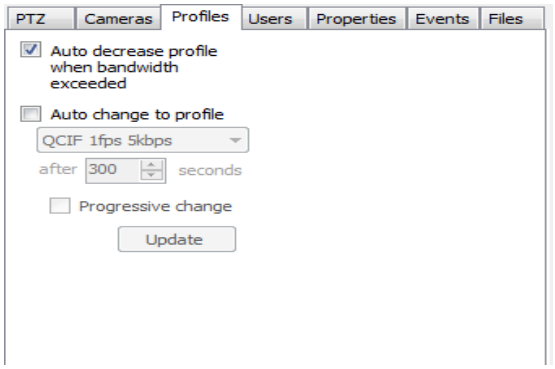
Camera Tab

If you have two or more cameras attached to the VB-30 you can remotely switch between them in the camera tab. You also have the ability to turn recording on and off AT THE ENCODER itself by sliding the toggle to the on or off position. This is a toggle per camera.



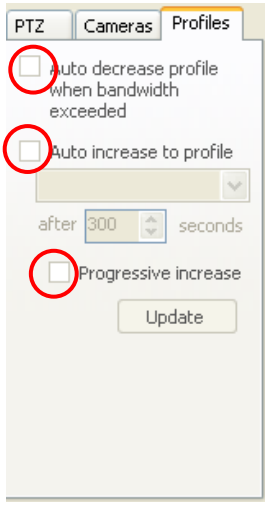
Profiles and Profiles Tab

If you wish to change the quality of the incoming video stream remotely, right click on the video stream. The choice of frame rate and bit rate that you have set in the encoder will appear. Select one and the video will update with your choice of frame and bit rate.



Encoders may have profiles set to automatically increase and / or decrease the picture quality and frames depending on the available and changing bandwidth. This is managed through the Profiles Tab.

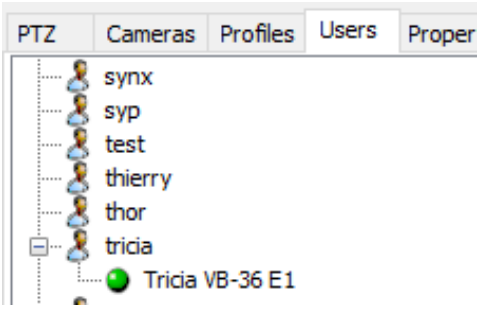
To set the encoder to automatically move down the profile list when the bandwidth is not enough to support the current profile check this box.



To set the encoder to automatically move up the profile list in order to try higher bandwidth transmission you can check this box (arrow). Choose the relevant target profile and the period of seconds after the last profile change occurred. The encoder will 'jump' straight to the required profile after this period of seconds since the last change.

If you want the encoder to try each profile on the way to the target in turn, then check the progressive increase button.

Users tab



When connecting to the server using the Vemotion Player, the user can opt to connect to a specific video feed, if they are allowed to. However if they only have access to a default stream named the 'Ops Channel', they can only view what they have been set to view. Using the V264 player the administrator would drop and drag the encoder feed that they wish the user to see onto the named user contained within the list. See picture above, in this case, Tricia's Ops channel on their viewer will only display the feed from Tricia VB-36 E1.

Properties tab

Information about the device present.

GPS pin on Map

If you highlight an encoder and it has GPS data activated you will be able to see the coordinates listed in blue at the bottom of the properties tab. If you double click onto this then a pin will be dropped onto a map to identify exactly where the encoder is in the world.

If however you can see the coordinates but they are black your config file to view has not been activated.

Please got to C drive/program files x86/Vemotion/V264 Player/V264Player.exe.config

Edit the config file with notepad and change the Map demo string to;

<setting name="MapDemo" serializeAs="String">

<value>google</value>

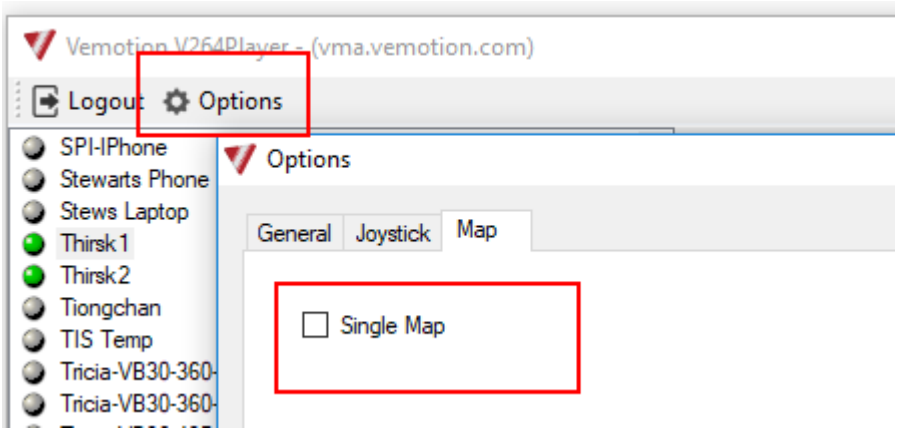
</setting>

You will also need to make sure Demo single Map is true too <setting name="MapDemoSingleMap" serializeAs="String">

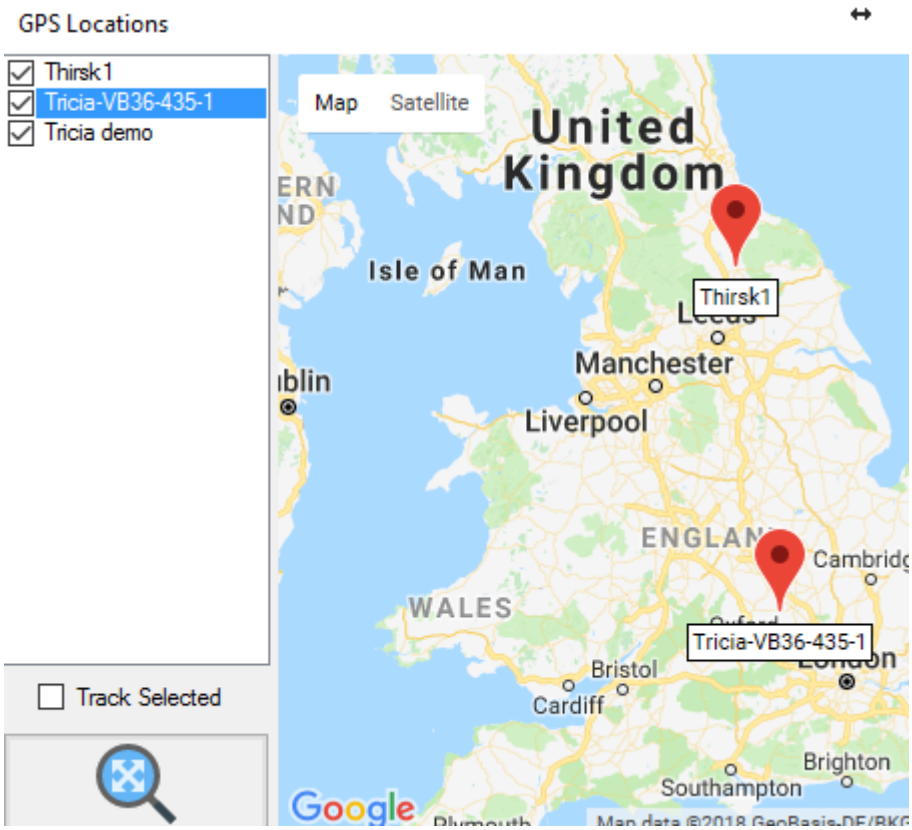
<value>True</value>

GPS Multiple pins on Map

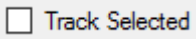
In the Options button, top left, there is also a tick box on the map tab in order to see multiple pins on a single map.



If this is ticked you can see multiple encoders if they are all streaming video of not, if you have ticked the box next to the encoder, you will see the pins on the map as below. If you cannot see all the encoders click and this will enable you to centre the map so all can be seen.

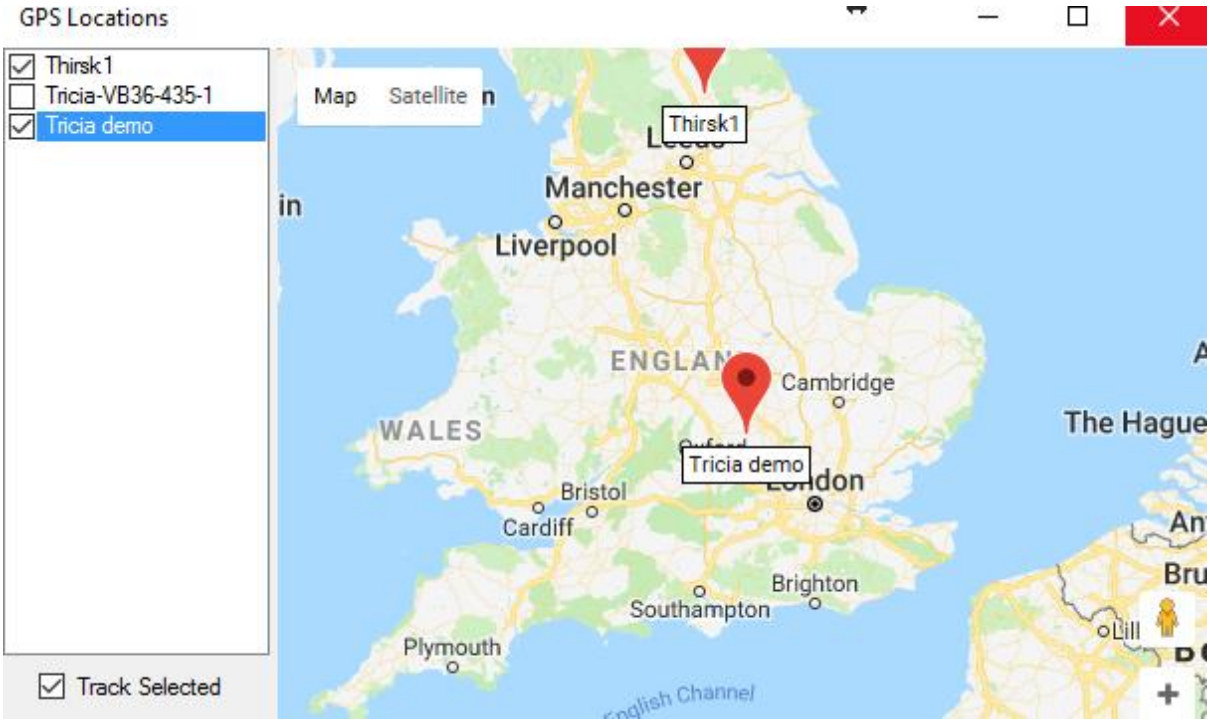


Tracking with GPS

Ticking the Track Select box, 

, will keep the currently highlighted encoder

centred in the map. As per below:



This will remain in the middle of the map whilst the encoder is on the move.

Events tab

The events tab records incidents of video motion detection, alarms and device tampering when used in conjunction with the VB-20 encoder. The events tab has 2 sub tabs, Live and History.

ANDROID OR IOS PHONE SET UP FOR VEMOTION VIEWER

The Vemotion Android or iOS Viewer is an app that allows the user to view live video from remote cameras on the mobile phone or tablet via the Vemotion Streaming Server.

Both types of viewer are software based apps that can be installed on any suitable phone or tablet. This means that, in many cases, where existing mobile handsets exist, no additional hardware is required.

The Vemotion Viewer works in conjunction with the Vemotion Streaming Server (VSS) and Vemotion encoders in order to produce a complete end-to-end solution for streaming video.

Minimum Specification

PC – IE11, Firefox, Chrome, Safari, Opera

Android – Chrome

iOS – Safari

Other Android and iOS devices may differ slightly during the installation process. Refer to the device user manual if required.

INSTALLING THE ANDROID VIEWER.

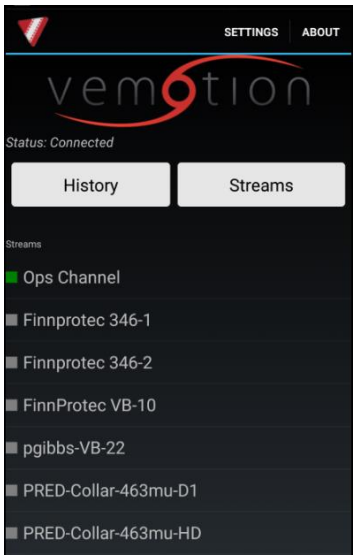
Download the Android Viewer app install file to the mobile device either over the network from http://vma.vemotion.com/downloads

Once the app is installed press open. This will immediately take you to the License activity page, press ‘run unlicensed’

Launching the app

Select the ‘Vemotion Viewer’ icon from your mobile phone:

The following screen will appear, once the app has initialised, this will immediately give you access to 2 encoders running at Thirsk as a demo if you have not added your viewing username and password.

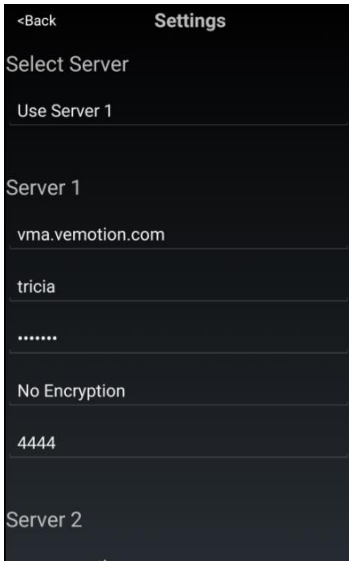


The application must be configured with the necessary connection and authentication details in order to connect to the remote server and view video.

- To configure the settings of the application, select Settings

SETTINGS

The following page will appear;



The following screen is the top level menu for configuration

Select Server

This allows the user to select from three pre-configured servers.

Server 1, 2 and 3

This allows the user to pre-configure up to three servers.

Server Name or IP address

Type in the fixed IP or DNS here

Username

Type in your designated username here

Password

Type in your designated password here

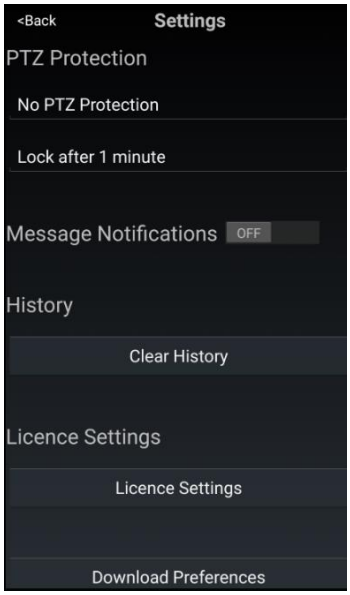
Encryption

Click on the preference for encryption here, this must match your server.

4444

This is your port that you will be connecting via, if you are encrypted it will change to 5555. This is changeable should you require to change this

PTZ Protection



Prevents accidental PTZ movement by touching screen by mistake.

PTZ Automatic locking

This allows you time to PTZ control the camera before the screen becomes protected again

Message Notifications

This should be set to off, this cannot be used with standard software, specialist development.

History

Clear History just enables you to clear the most recent encoders' streams that you have viewed

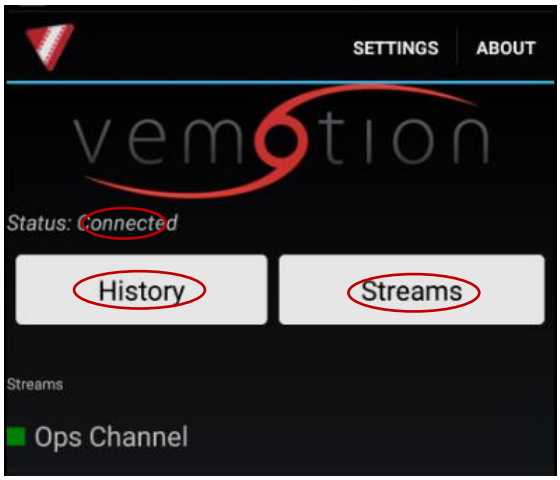
Licence Settings

This option displays details of the licence loaded in the device, particularly the expiry date. If an updated licence is require it can be downloaded by selecting the 'download from server' key. Most apps now run unlicensed as of Sept 2016.

Reload preferences from server

If the setting of the device have been altered or become corrupt in any way the default settings can be downloaded from the server by selecting 'Download from server' key.

VIEWING STREAMS



Once the application is installed and configured, run the application and you will see the main screen showing History and Available streams.

In this state, the application will be attempting to connect to the server and you will see the status, hopefully as connected.

History

This shows the last few streams that the user has connected to.

Streams

Shows those streams the user can connect to.

The streams are delivered from the server once the application has connected and been authenticated.

If there are no streams visible, check the connection details as streams are only listed if the connection to the server is made and the user login details are correct. Furthermore, the server must have been configured to allow the relevant user access to cameras.

In order to connect the app to the remote server and view video

Select the required stream. The Video will shortly be viewed on the screen.

Menu

If you tap Menu top right you will get two options, Profiles and Cameras. This will allow you to change the profiles and pick the camera of your choice to view.

Pan Tilt Zoom operation

To operate manual PTZ the camera you are connected to must be PTZ enabled.

To move in the direction required, tap and hold the relevant area of the screen then release when the required movement has been reached.

Note. You may need to release the screen before the required movement is desired as mobile networks often have a short lag.

- To move up – tap and hold the top centre of the screen.
- To move down - tap and hold the bottom centre of the screen.
- To move left - tap and hold the left centre of the screen.
- To move right - tap and hold the right centre of the screen.
- To move in diagonals – tap and hold the top left, top right, bottom left or bottom right areas of the screen.
- To Zoom in – tap and hold the centre of the screen and slide your finger into the upper part of the screen.
- To Zoom out – tap and hold the centre of the screen and slide your finger into the lower part of the screen.

If any more info is required please contact Vemotion – +44 (0) 8444 906 906 or info@vemotion.com

~ End of Document ~