

Accessing the unit

By default, a VB26 comes configured in the following way.

VBOX address: 192.168.1.100

Pre-set camera address: 192.168.1.101

Changing your network adaptor

To access the unit, attach the ethernet cable to your pc/laptop and into the ethernet adaptor of the VBOX. When plugging in the connector to the VBOX make sure that the cables for the ethernet socket are on the right if you have the VBOX socket facing you and the SIM/SD card slots on the right side.

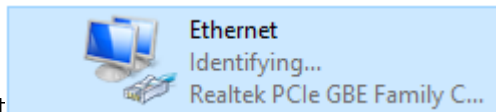


On the taskbar at the right on your computer, you should see one of these 2 icons right click on it and then select open Network & Internet settings then click on:



Change adapter options

View network adapters and change connection settings.



Right click on Ethernet and select properties.

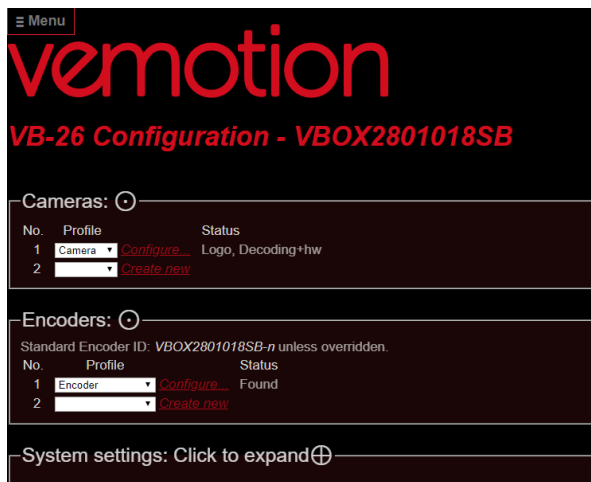
Highlight Internet Protocol Version 4 (TCP/IPv4) and click the properties button.

On this next screen, we need to change your pc/laptop's IP address so it can connect to the VBOX Click use the following IP address and put in 192.168.1.10 and click on the subnet mask below and it will populate for you, leave the others blank and click OK (remember once you have finished configuring the VBOX to change this window back to how it was before).

Open a webpage and type in 192.168.1.100:8080 and press enter you will be greeted by a Password box this is blank so just press 'Enter' to access the configuration page (The password can be set later).

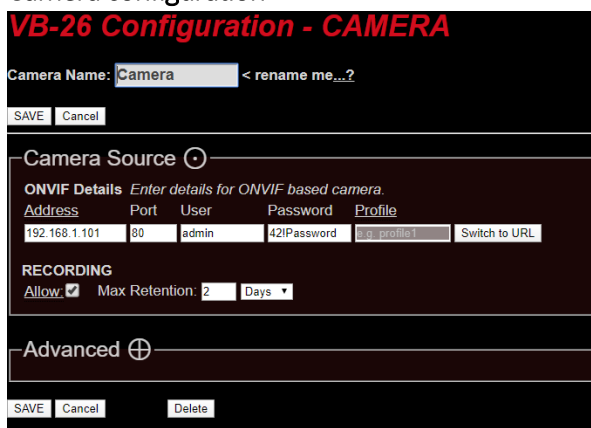
VB26 guide

Main page



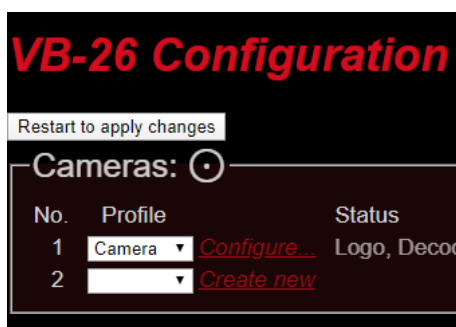
There will already be a camera set up with the IP address of 192.168.1.101 a username of admin and a password of 42!Password and an encoder pointing at vma.vemottion.com port: 8002.

Camera configuration



This is where cameras are added to the system input the cameras details (leave the profile blank for the system to pick the profile for you) .

You can enable recording function for the camra here also.



Once done click save and you will be taken back to the main page where you will need to click restart to apply changes.

VB26 guide

Camera advanced settings

VB-26 Configuration - CAMERA

Camera Name: < rename me...?

Camera Source ⊖

ONVIF Details Enter details for ONVIF based camera.

Address	Port	User	Password	Profile
<input type="text" value="192.168.1.101"/>	<input type="text" value="80"/>	<input type="text" value="admin"/>	<input type="text" value="42IPassword"/>	<input type="text" value="p.g_profile1"/> <input type="button" value="Switch to URL"/>

RECORDING

Allow: Max Retention: Days ▾

Advanced ⊖

RTSP Transport: Software MJPEG Threads:

Hardware H.264 Decode: Software H264 Threads:

Persistent Decode: ...?

RTSP Transport: The RTSP transport we request from the camera.

Hardware H.264: ON or OFF If we are using HW decode.

Persistent Decode: hover over the “?” for more info.

Software MJPEG: How many threads we use to decode MJPEG streams if Hardware decode is disabled. (our software decoder is single threaded, and some CPUs aren't fast enough to decode 25fps, so we create two decoders on different threads and decode 12fps alternately on each.

Software H264: The number of threads our

sw decoder dedicates to h264 decode.

Encoder configuration

VB-26 Configuration - ENCODER

Name Config as: < change me...?

Streaming Server ⊖

Host Address	Port	SSL/TLS
<input type="text" value="vma.vemotion.com"/>	<input type="text" value="8002"/>	<input type="text" value="None"/>

Camera Selection ⊕

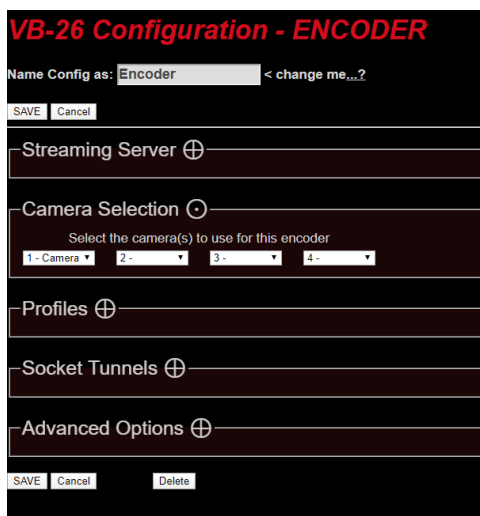
Profiles ⊕

Socket Tunnels ⊕

Advanced Options ⊕

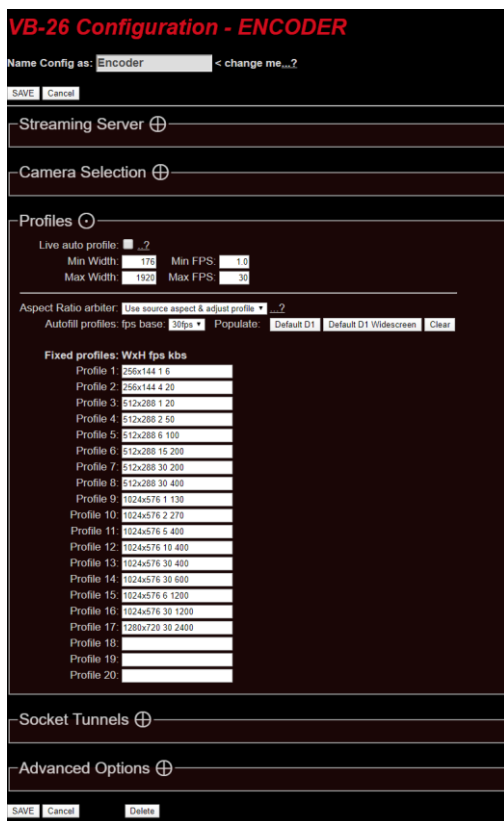
Name the encoder and point it at the server you require, change the port, add any encryption if needed and save.

Camera Selection



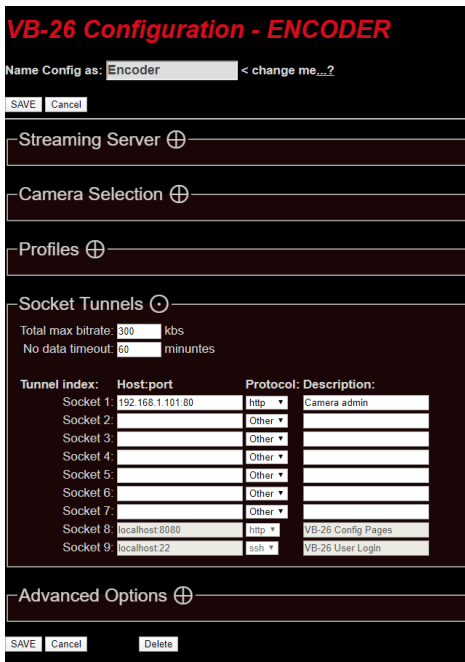
Set up which camera is used by this encoder.

Profiles



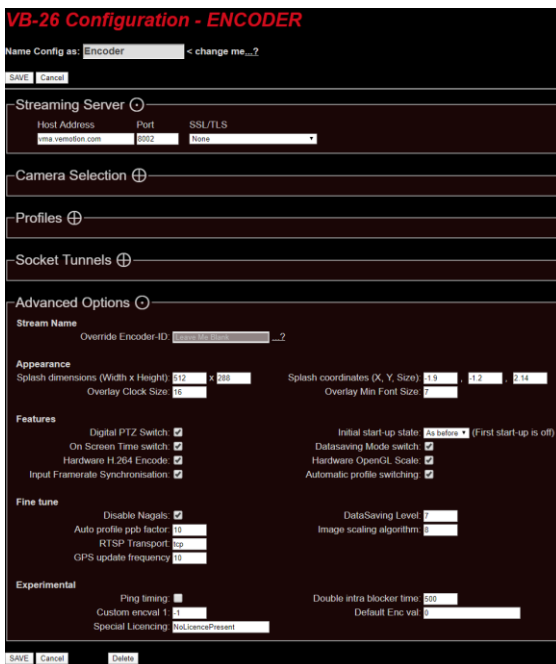
Profiles can be adjusted here from the defaults as required.

Socket tunnels



These allow you to remotely access web pages through the V264player such as the cameras web ui cameras and the unit itself are added in automatically.

Encoder Advanced options



Stream name: change this is you wish to set a custom encoder ID.

Appearance: These settings are for the OSD when streaming.

Features: These are all self-explained .

Fine Tune: These are all self-explained.

Experimental: Ignore unless told to change by Vemotion.

Ethernet

The screenshot shows a network configuration window titled "Editing: Wired". At the top, there are "APPLY" and "Cancel" buttons. Below this is a section labeled "NET" with a circular icon. It contains an "IP Address" field with the value "192.168.1.100" and a "/ 24" suffix. Below the IP address are four dropdown menus for the subnet mask, with values "255", "255", "255", and "0". Below the "NET" section is an "Advanced" section with a circular icon. It contains a "Default Route" checkbox which is unchecked. Below it is a "DNS" field. Below the DNS field is an "Interface" field with the value "enP2p1s0". Below the interface field is an "Extra params" field. At the bottom of the window, there are "APPLY" and "Cancel" buttons.

Here you can change the default network address and add DNS if needed. Interface refers to the name of the ethernet device in the unit.

GPIO

The screenshot shows a GPIO configuration window titled "Editing: GPIO". At the top, there are "SAVE" and "Cancel" buttons. Below this is a section labeled "Inputs" with the text "No inputs available". Below the "Inputs" section is a section labeled "Outputs" with the text "No outputs available". At the bottom of the window, there are "Save" and "Cancel" buttons.

This will populate if any interfaces are connected to the unit via USB.

Log files

The screenshot shows the Vemotion web interface. On the left, there is a navigation menu with options: Configuration, System Info, Logout, Maintenance, Vemotion Website, Cameras, and Encoders. The 'Logfiles' option is highlighted. On the right, a table displays log file information:

Logfiles	Watch live
Restarts	Current active
Backup / Restore	Previous 1
	Previous 2
	Previous 3
	Previous 4
	Previous 5
	Previous 6
	Previous 7
	Previous 8
	Previous 9

At the bottom of the interface, it says 'System settings: Click to expand'.

Here you can access log files that you may wish to view or Vemotion may ask for when assisting you.

Backup and restore

The screenshot shows the 'VB-26 Help: Config backup/install' page. It contains the following text:

Configuration files can be backed-up or restored via removable media (USB or SD card).

Backup

Create the folder **vb22-backup** and insert the removable media.

- Camera and encoder configuration files will be backed-up to **vb22-backup/app-config**.
- Network configuration files will be backed-up to **vb22-backup/network-config**.

Once backed-up, the configuration files can be installed on another device by renaming the folder **vb22-backup** to **vb22-install**.

Install

Configuration files can be installed from removable media (USB or SD card) from the folder **vb22-install**.

- Network configuration files will be installed from **vb22-install/network-config**
- Camera and encoder configuration files will be installed from **vb22-install/app-config**.

If you have installed Network configurations you must do a **full reboot** for the network to start.
 If you have installed camera/encoder config you must do a **quick restart** to load these settings.
Note: Existing configuration files will be automatically backed-up to **vb22-backup** prior to installing any new configuration files. The backup directory will be created if it does not exist.