VLC2EZserver

User Guide

www.ezhometech.com

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Version : 1.0.4

Content

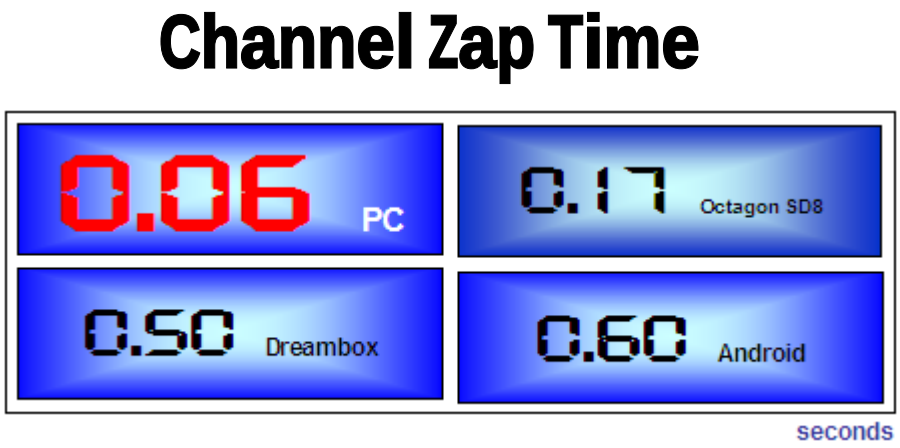
1. Introduction

EZserver is the fastest channel-zap-time video server for live video streaming in the world. *Channel zapping* is to change from one channel to another, so **Channel Zap Time** is a significant concern in live video streaming. EZserver has been still improving the channel zap time for live video streaming for more than 10 years.

It is based on C/C++ object language for system development, so it does not need any Java VM installation. Therefore, EZserver system performance and video streaming speed are better than Java-based video servers.

Customers in more than 40 countries have licensed EZserver with Addons, they have been providing IPTV/OTT and VOD services for internet or intranet users. We are proud to provide the fastest response for video streaming in Channel Zapping and Movie on Demand for our customers.

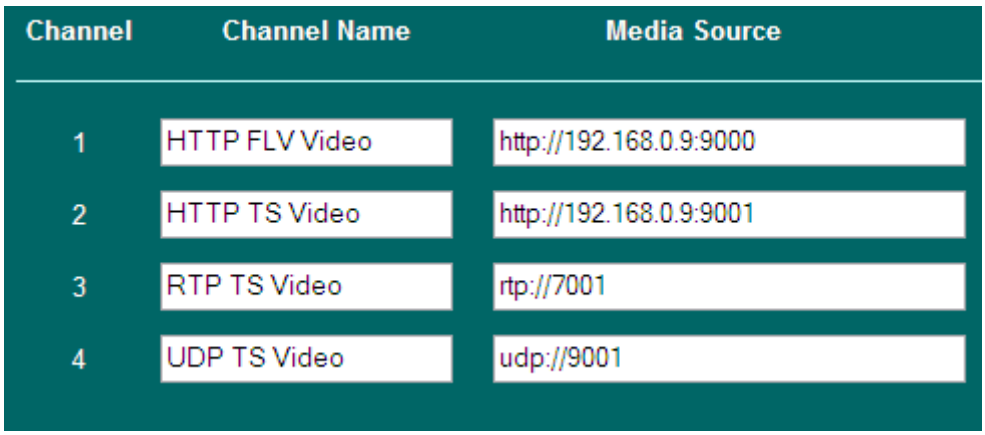
Key Features:



2. HTTP Input for Dreambox or HTTP URL:

There are 4 ways to get Dreambox or HTTP URL into EZserver as below:

a. HTTP FLV Output
b. HTTP TS Output
c. RTP TS Output
d. UDP TS Output



a. HTTP FLV Output

Syntax for Linux:

cvlc -vvv **dreambox http url** --sout '#transcode{vcodec=h264,vb=750,fps=24,scale=1,acodec=mp4a,ab=96,channels=2,samplerate=44100}:**http**{dst=:**portno**,mux=**ffmpeg{mux=flv}**}'

Ex. for CH1: vlc server ip is at 192.168.0.9

cvlc -vvv **http://192.168.1.100:8001/1:0:1:135:2:1:5F0B1BF:0:0:0:** --sout '#transcode{vcodec=h264,vb=750,fps=24,scale=1,acodec=mp4a,ab=96,channels=2,samplerate=44100}:http{dst=:**9000**,mux=**ffmpeg{mux=flv}**}'

b. HTTP TS Output

Syntax for Linux:

cvlc -vvv **http url** --sout '#transcode{vcodec=h264,vb=750,fps=24,scale=1,acodec=mp4a,ab=96,channels=2,samplerate=44100}:**http**{dst=: **portno**,mux=**ts**}

Ex. for CH2: vlc server ip is at 192.168.0.9

cvlc -vvv **http://192.168.1.100:8001/1:0:1:135:2:1:5F0B1BF:0:0:0:** --sout '#transcode{vcodec=h264,vb=750,fps=24,scale=1,acodec=mp4a,ab=96,channels=2,samplerate=44100}:**http**{dst=:**9001**,mux=**ts**}'

c. RTP TS Output

Syntax for Linux:

cvlc -vvv **http url** --sout '#transcode{vcodec=h264,vb=750,fps=24,scale=1,acodec=mp4a,ab=96,channels=2,samplerate=44100}:**rtp**{dst=**ezserverip**,port=**rtp_portno**,mux=**ts**}'

Ex. for CH3: EZserver ip is at 192.168.0.6

cvlc -vvv **http://192.168.1.100:8001/1:0:1:135:2:1:5F0B1BF:0:0:0:** --sout '#transcode{vcodec=h264,vb=750,fps=24,scale=1,acodec=mp4a,ab=96,channels=2,samplerate=44100}:**rtp**{dst=**192.168.0.6**,port=**7001**,mux=**ts**}'

d. UDP TS Output

Syntax for Linux:

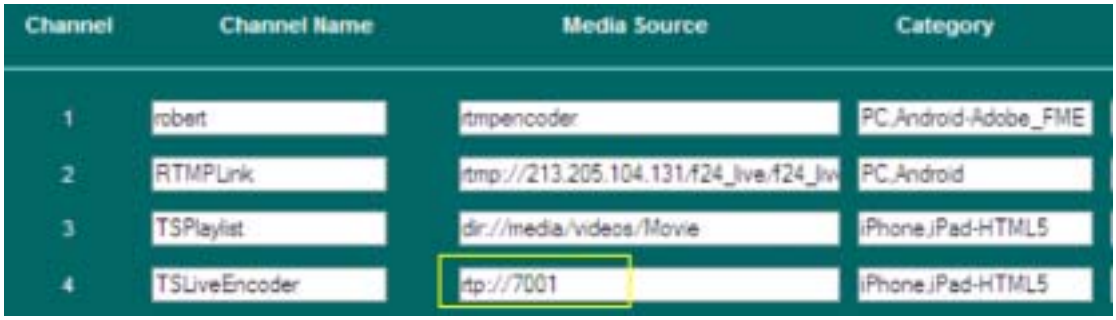
cvlc -vvv **http url** --sout '#transcode{vcodec=h264,vb=750,fps=24,scale=1,acodec=mp4a,ab=96,channels=2,samplerate=44100}:**udp**{dst= **ezserverip**,port= **udp_portno**,mux=**ts**}'

Ex. for CH4: EZserver ip is at 192.168.0.6

cvlc -vvv **http://192.168.1.100:8001/1:0:1:135:2:1:5F0B1BF:0:0:0:** --sout '#transcode{vcodec=h264,vb=750,fps=24,scale=1,acodec=mp4a,ab=96,channels=2,samplerate=44100}:**udp**{dst=**192.168.0.6**,port=**9001**,mux=**ts**}'

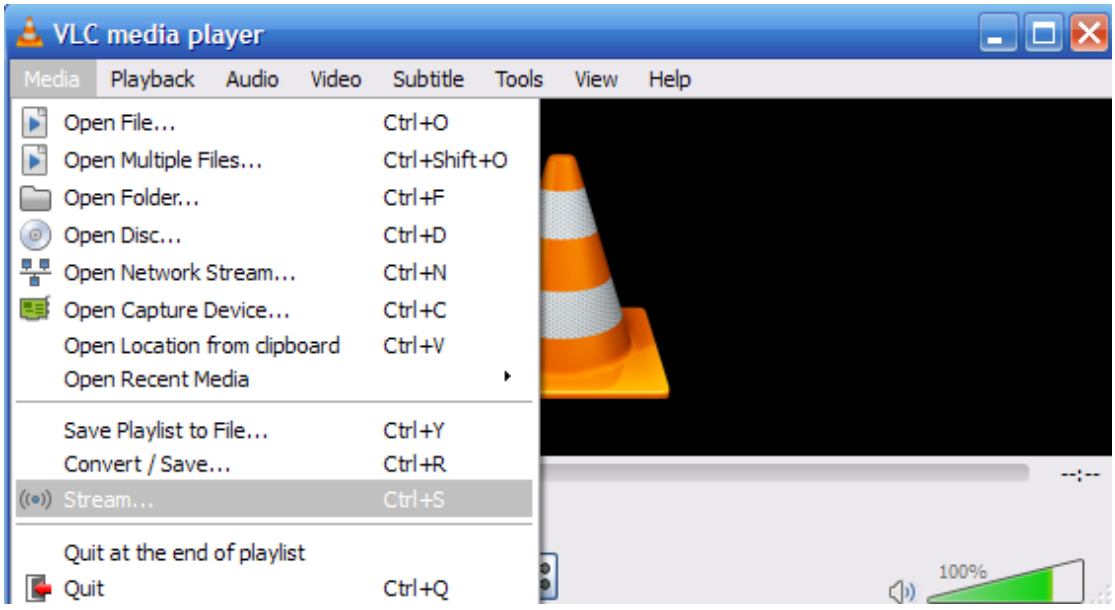
3. WebCam or Capture Card Input

- Add a channel that its **Media Source** is "**rtp://7001**"

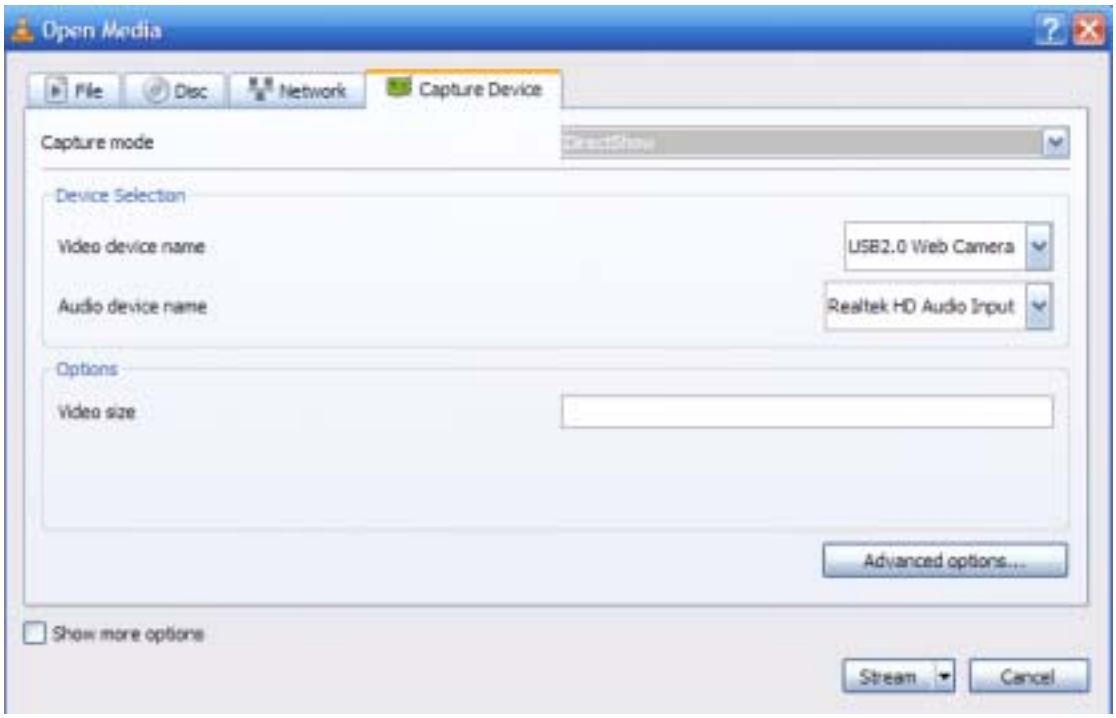


- **Follow the below steps in VLC windows:**

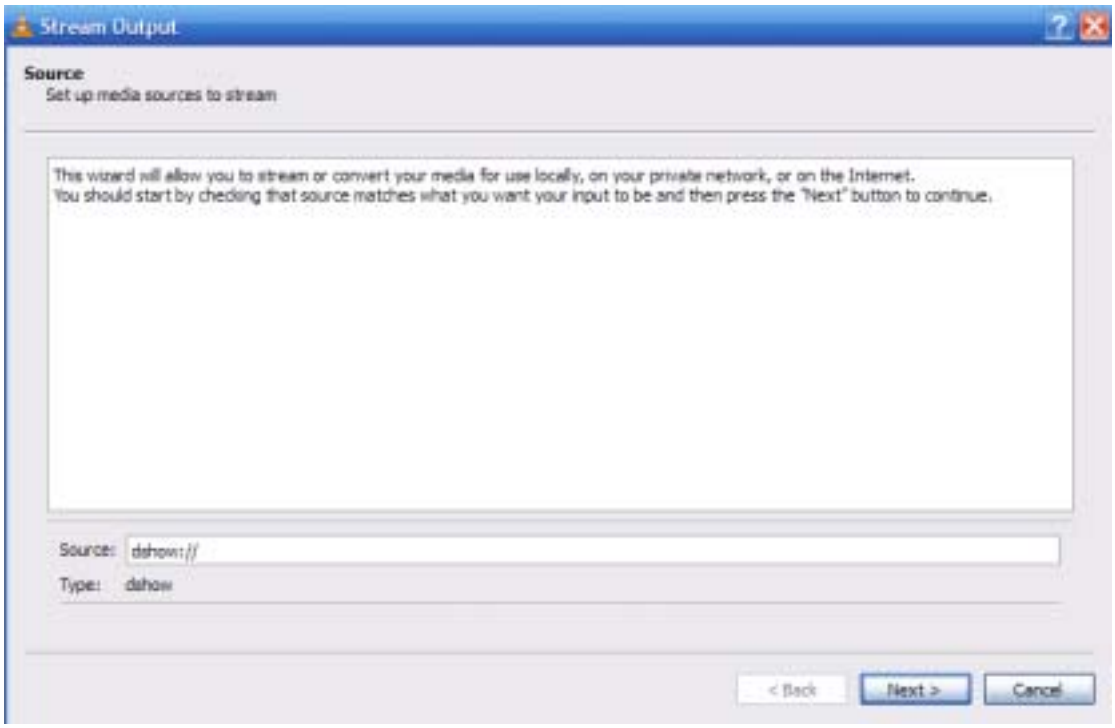
Step 1:



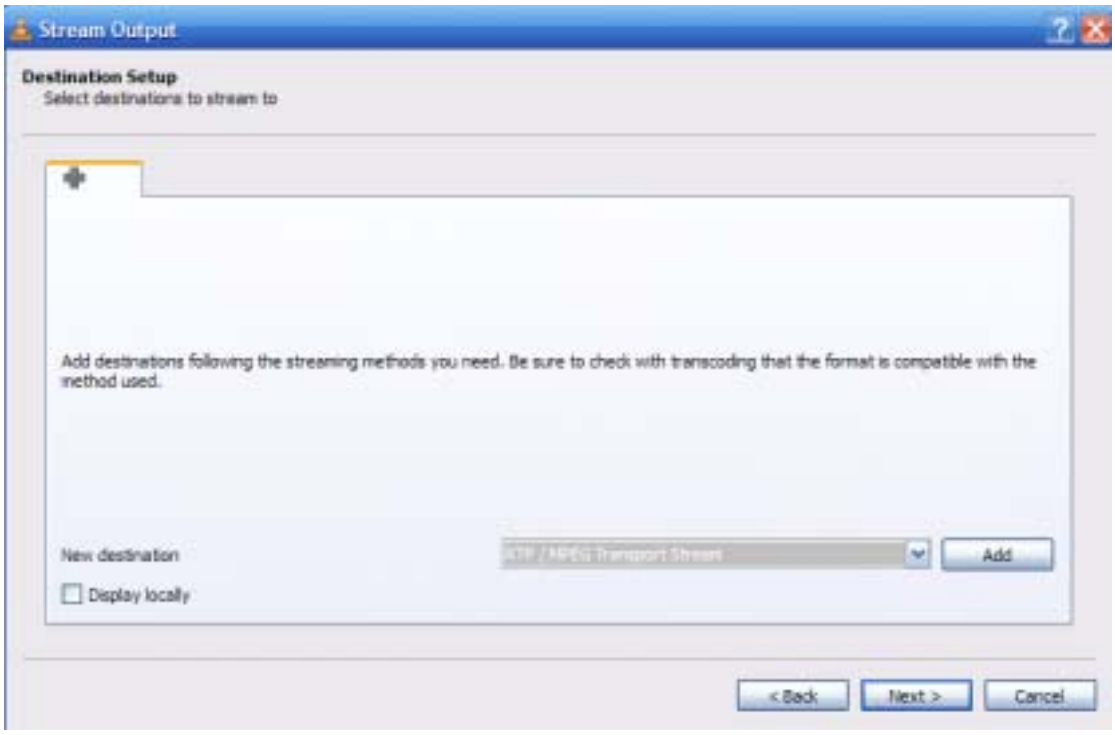
Step 2:


Open Media
File
Disc
Network
Capture Device
Capture mode
DirectShow
Device Selection
Video device name
USB2.0 Web Camera
Audio device name
Realtek HD Audio Input
Options
Video size
Advanced options...
Show more options
Stream
Cancel

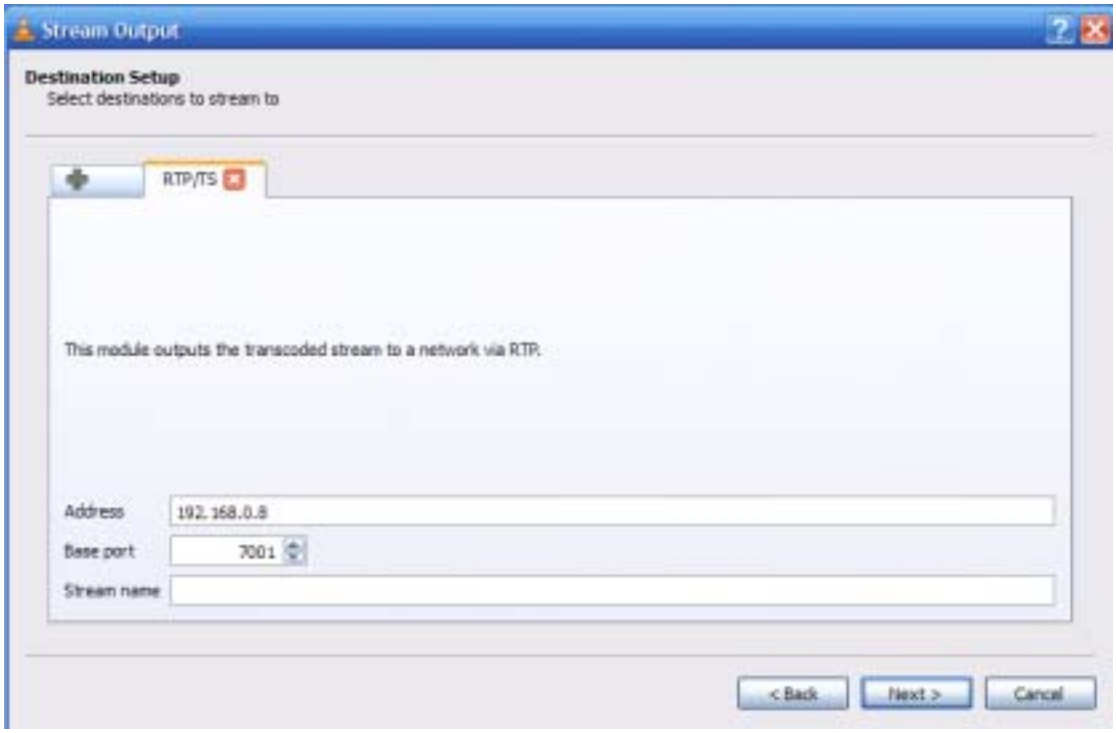
Step 3:


Stream Output
Source
Set up media sources to stream
This wizard will allow you to stream or convert your media for use locally, on your private network, or on the Internet.
You should start by checking that source matches what you want your input to be and then press the "Next" button to continue.
Source: dshow://
Type: dshow
< Back
Next >
Cancel

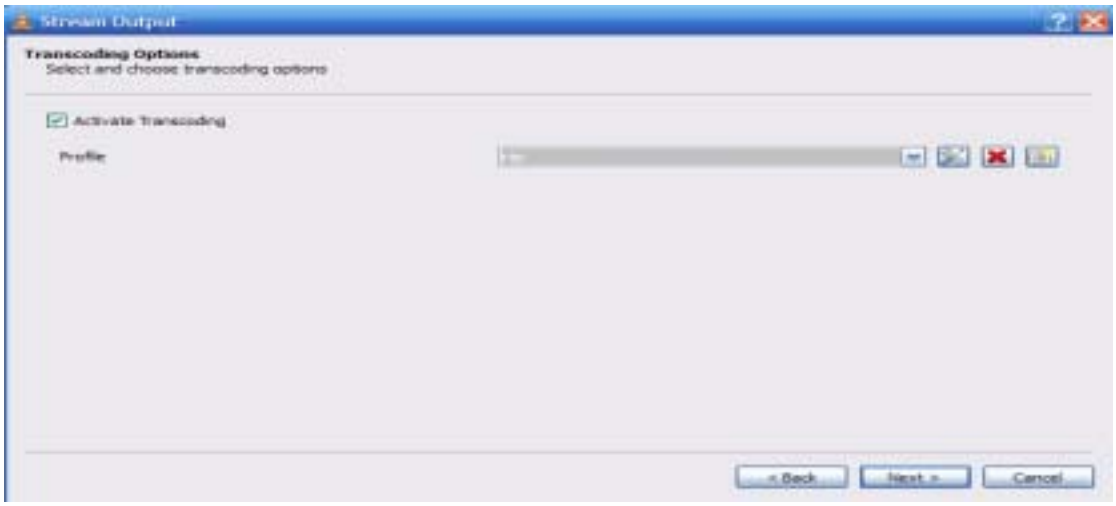
Step 4: Set New destination to **RTP/MPEG Transport Stream**



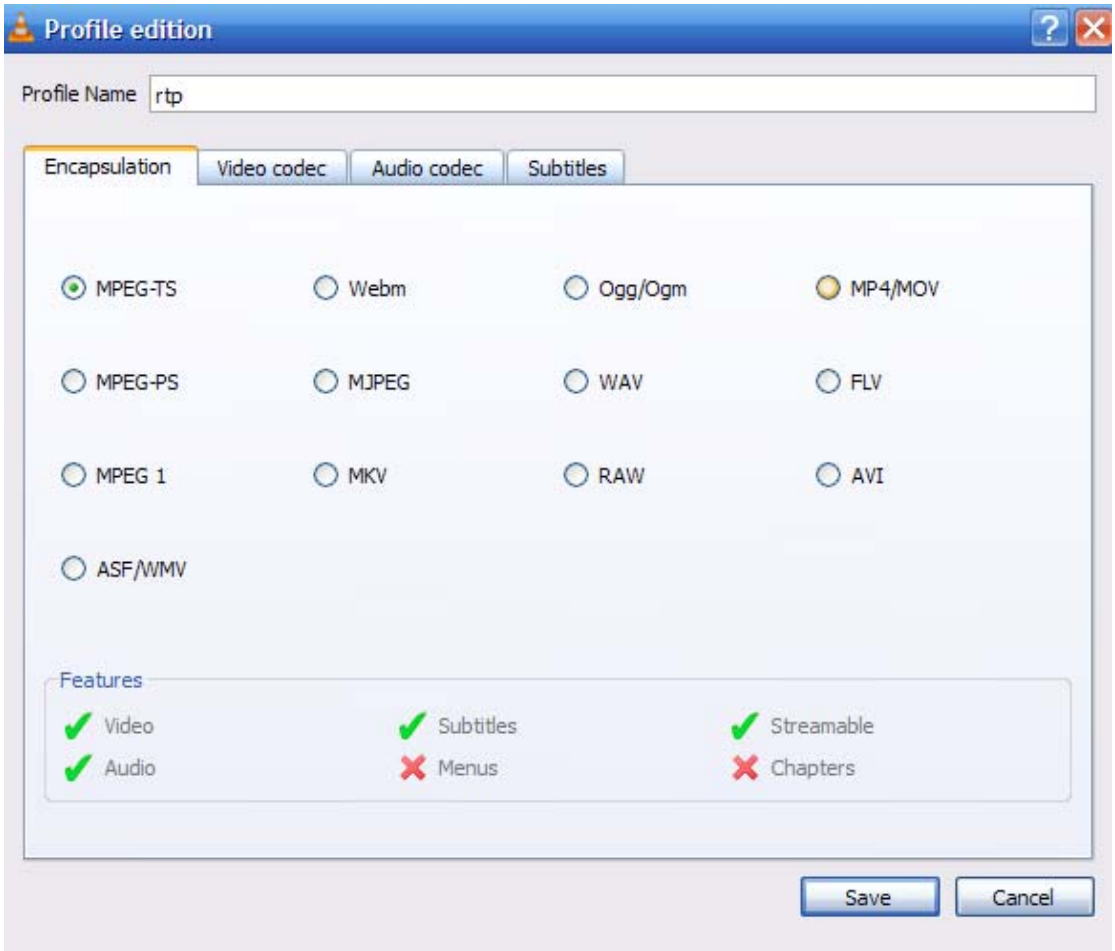
Step 5:



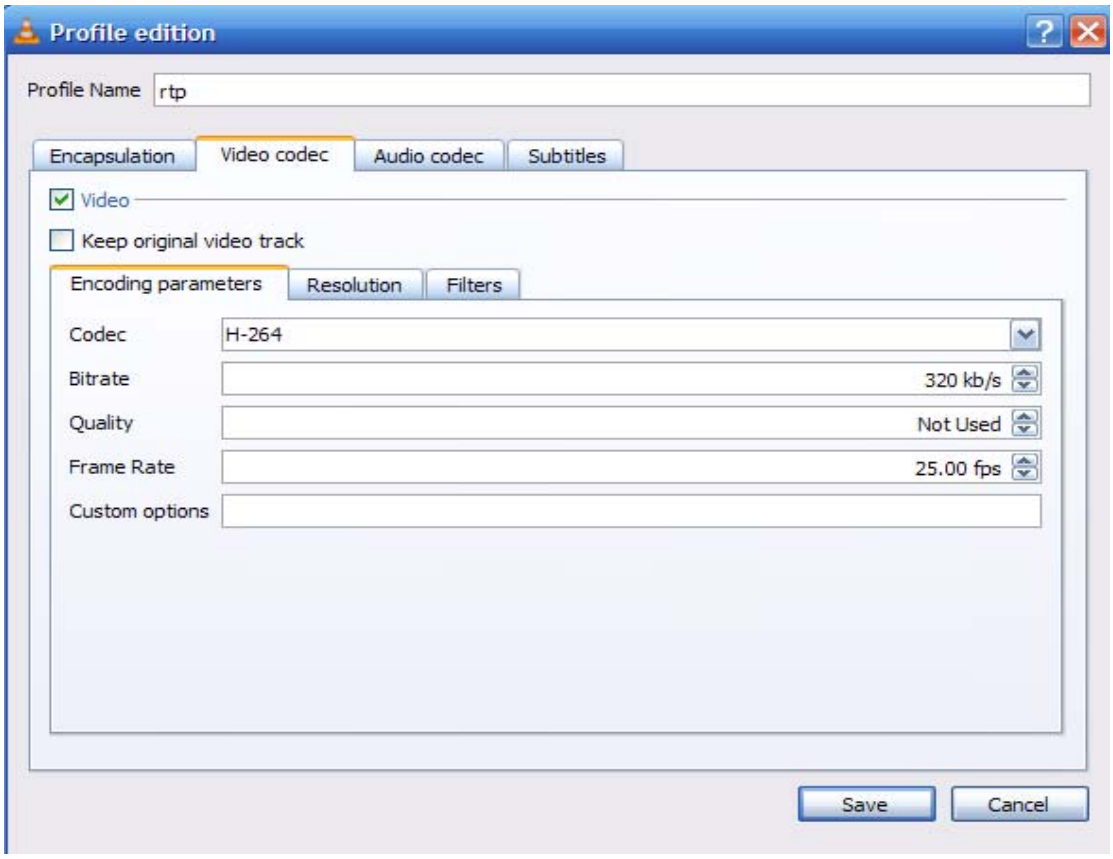
Step 6:



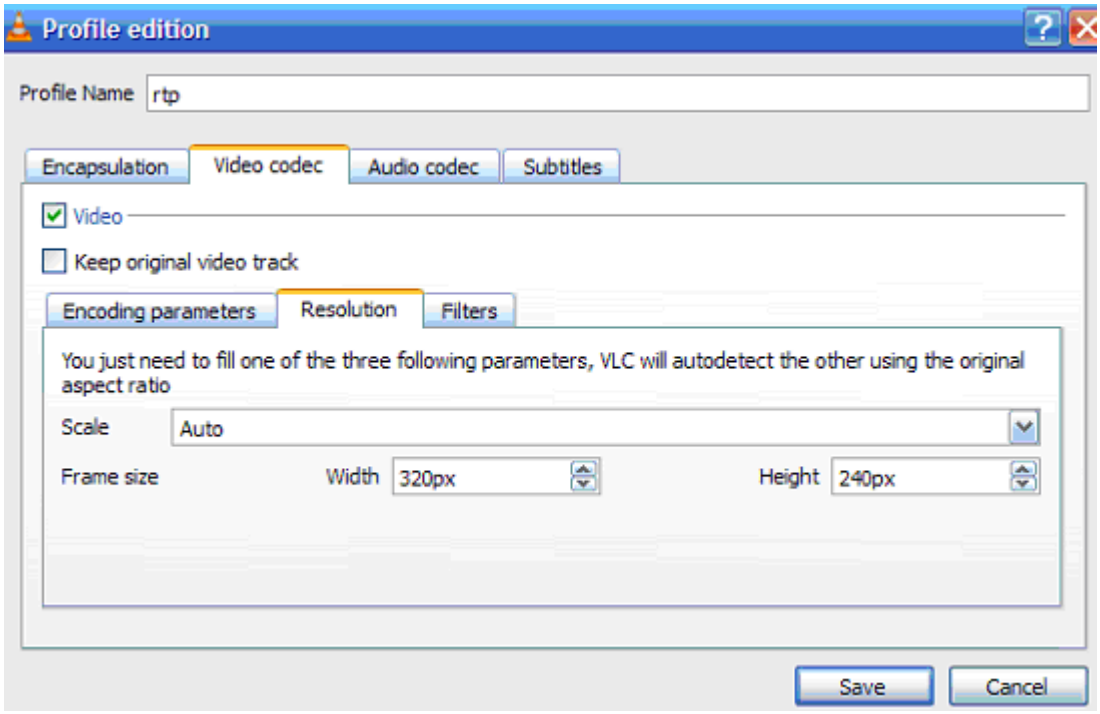
Step 7: Set Encapsulation to **MPEG-TS**



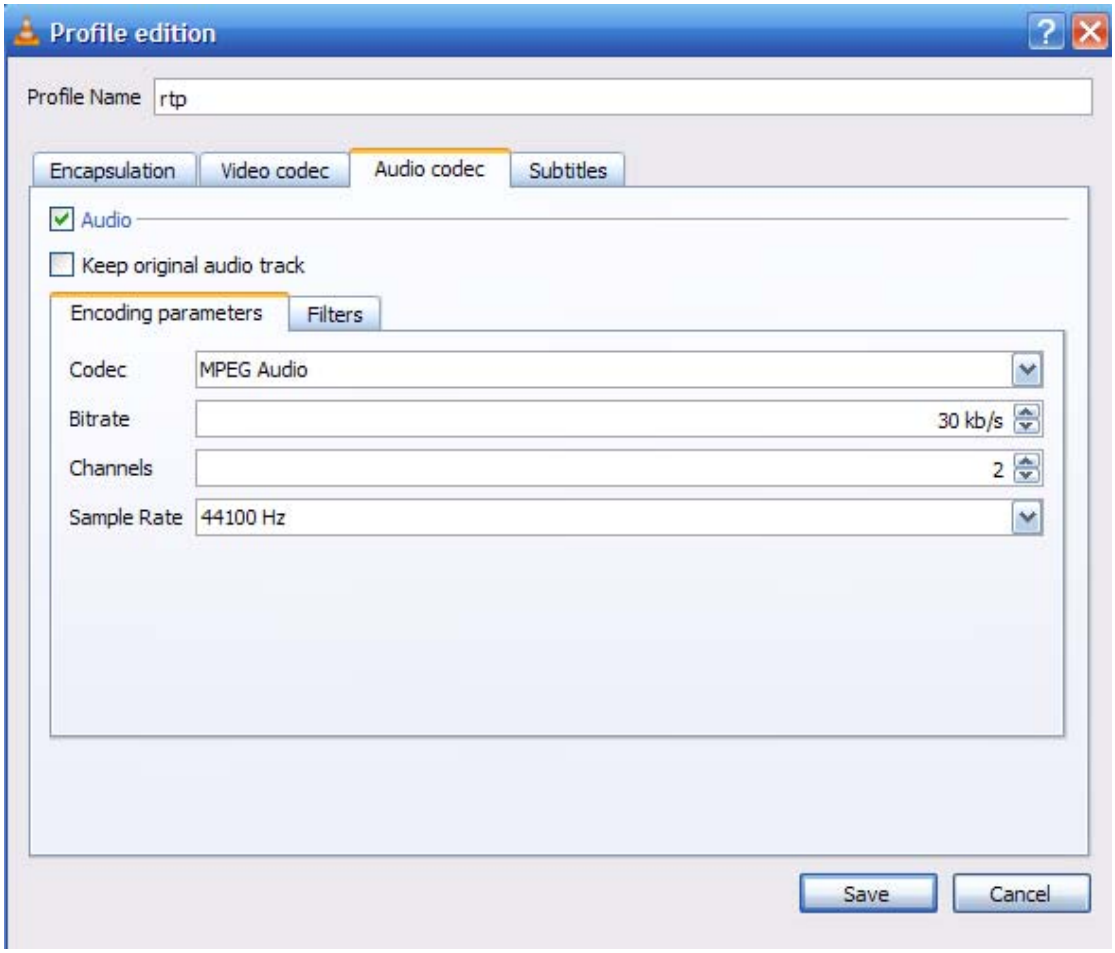
Step 8: Set Video Codec: **H264**



Step 9:



Step 10: Set Audio Codec to **MPEG Audio**



Step 11:

:sout=#transcode{vcodec=h264,vb=80,fps=25,width=120,height=64,acodec=mpga,ab=30,channels=2,samplerate=44100}:rtp{dst=192.168.0.8,port=7001,mux=ts} :sout-keep