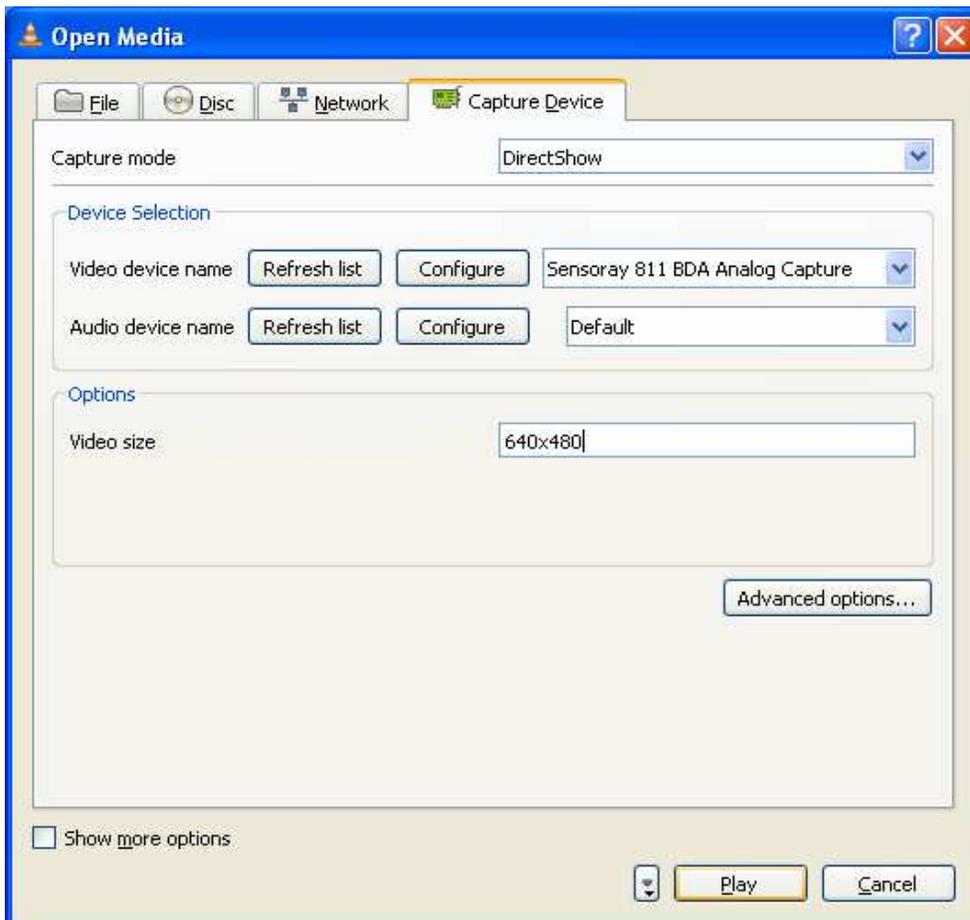# Transcoding and Streaming using VLC, for Sensoray Model 811 / 911
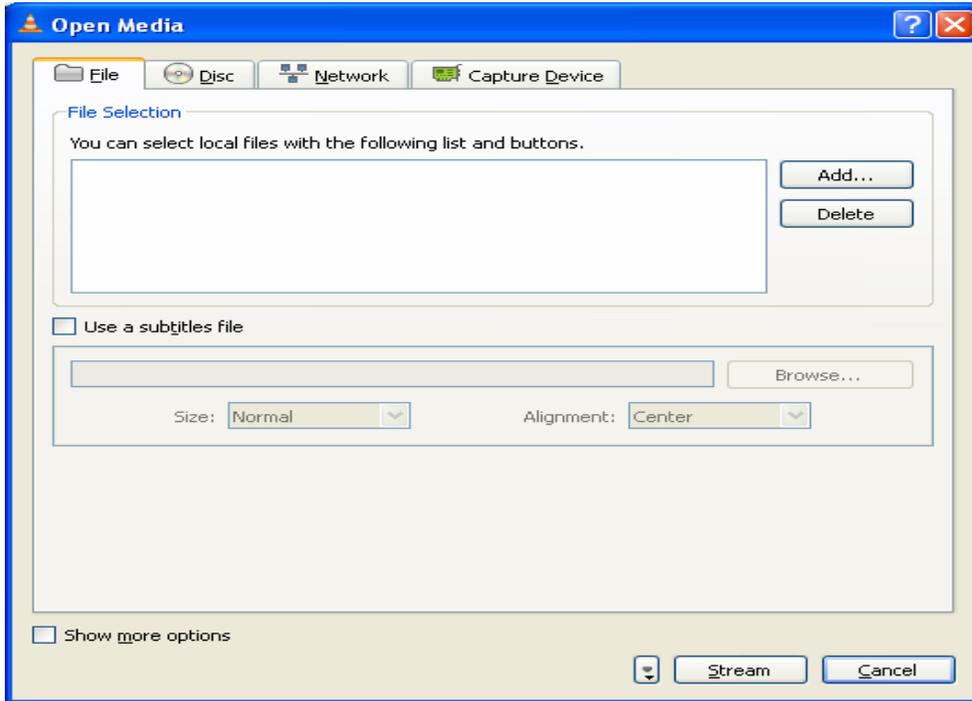
1) Launch VLC

2) Media | Open Capture Device
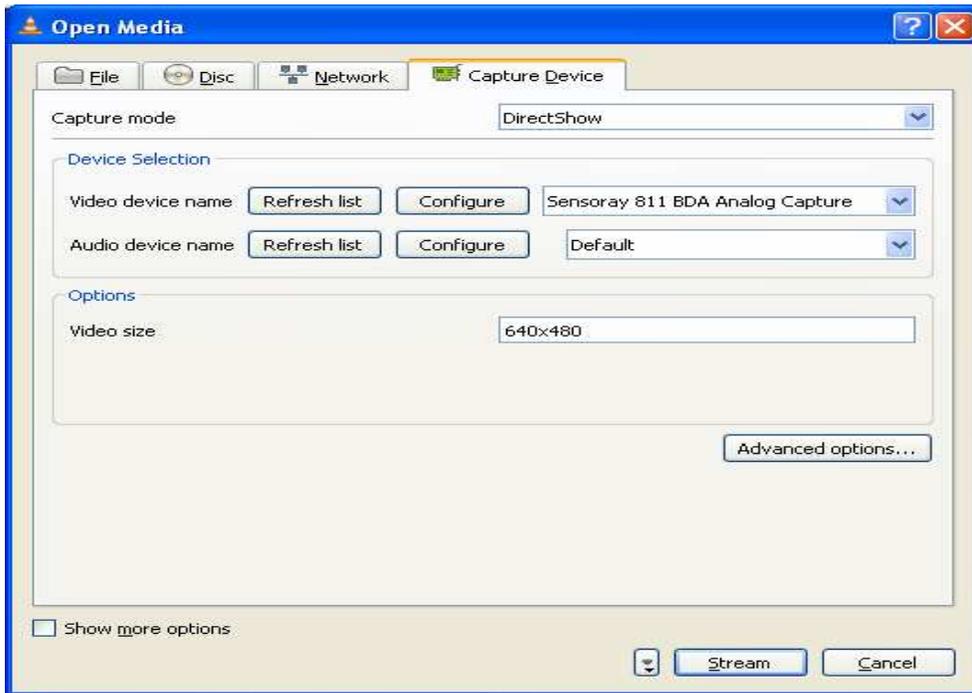

Video device name: Sensoray 811 BDA Analog Capture, #1, #2, #3
Video size: 640x480
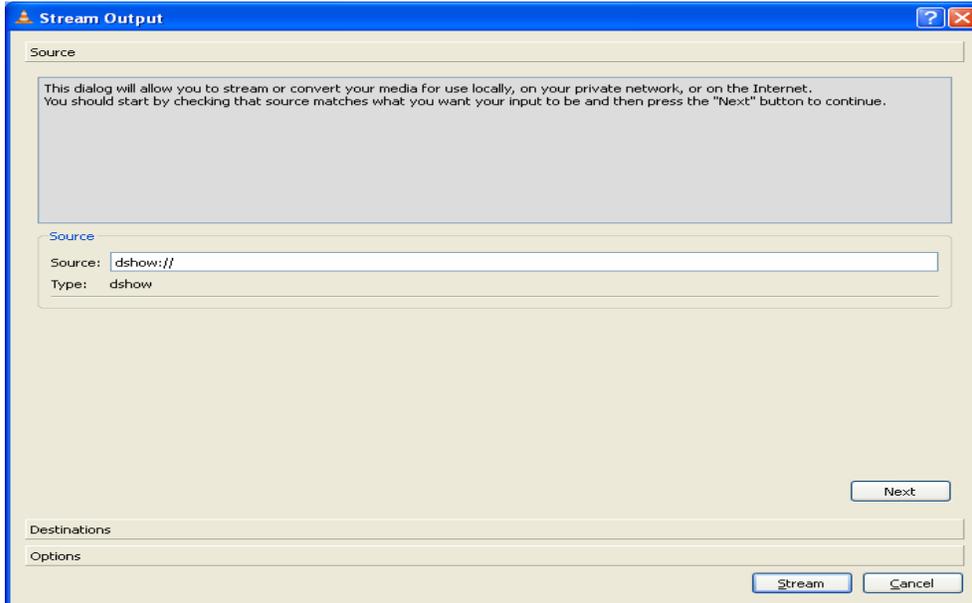Start preview: Play

3) Media | Streaming

4) Tab: Capture Device
   Confirm: "Sensoray 811 BDA Analog Capture" + "640x480"
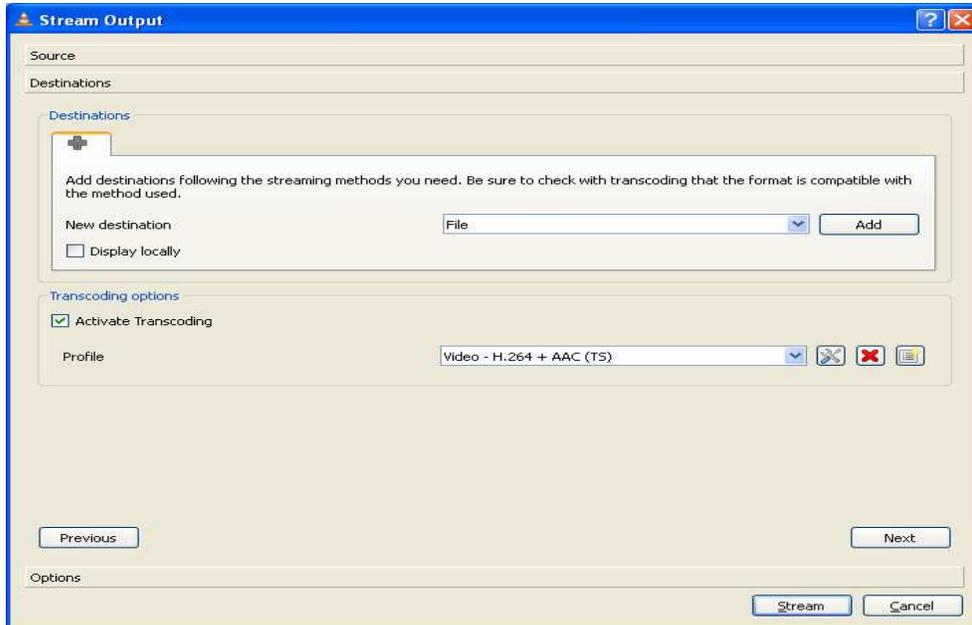
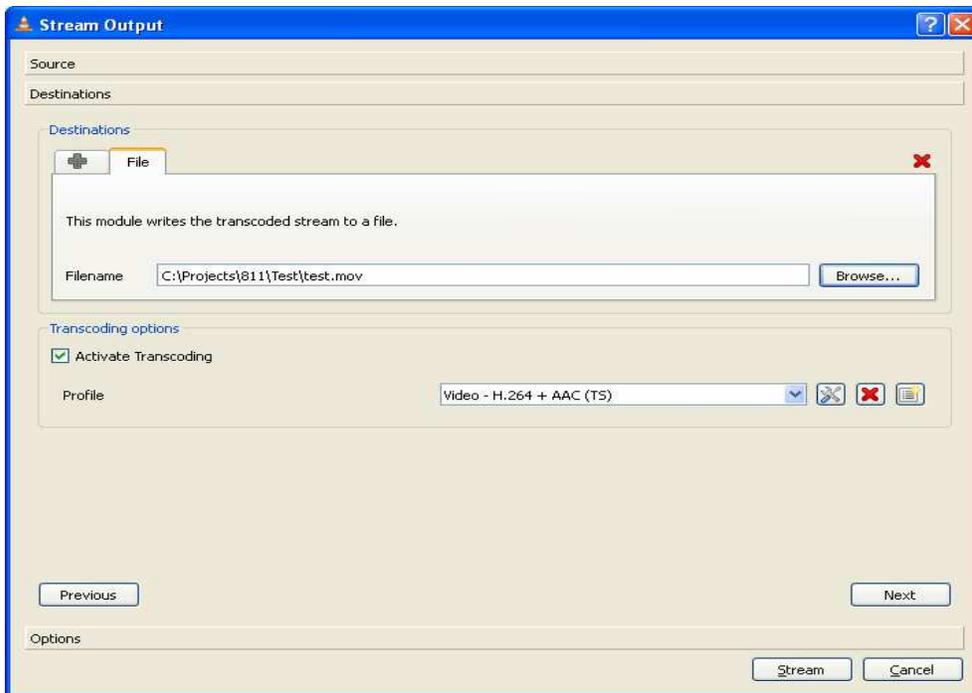5) Click button: Stream

Click "Next "

6) Recording with compression by VLC transcoding:

A) Destination: File "Add":   Filename (by Browse and given)
    Transcoding Profile: Choose from H.264 (TS), OGG, MP4, MPG, ASF, etc

B) Next
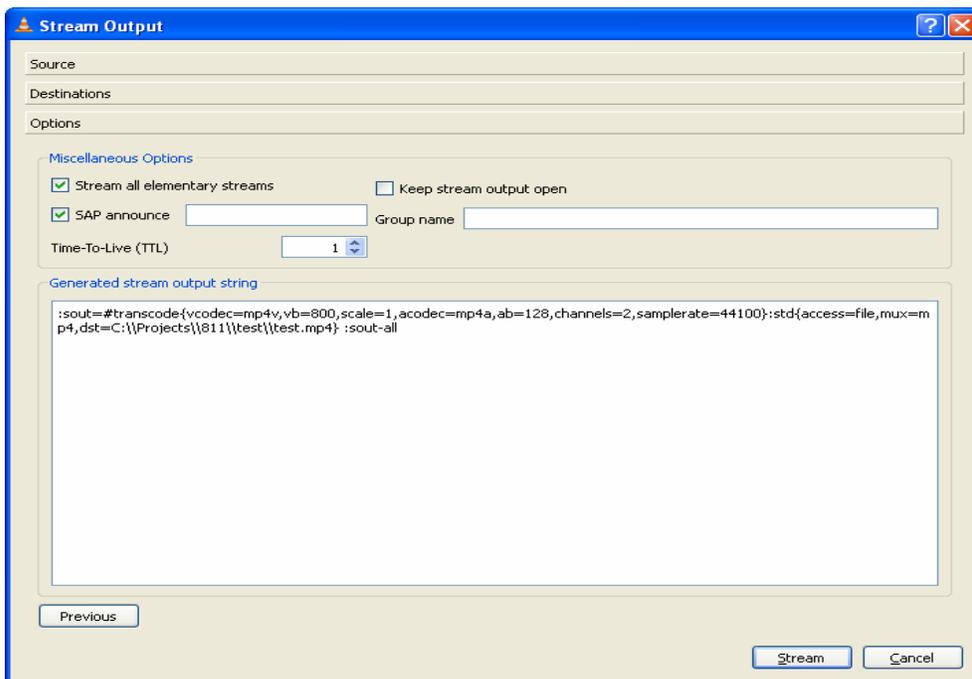
Select: all Miscellaneous Options

C) Click: "Stream", to start Transcording and Recording
   Click: Stop (when finish recording needed)

7) Streaming:

Ignore 6) Recording with transcoding, and from

in New destination: UDP / RTP, then click "Add"

Destinations: Address: 10.140.5.19
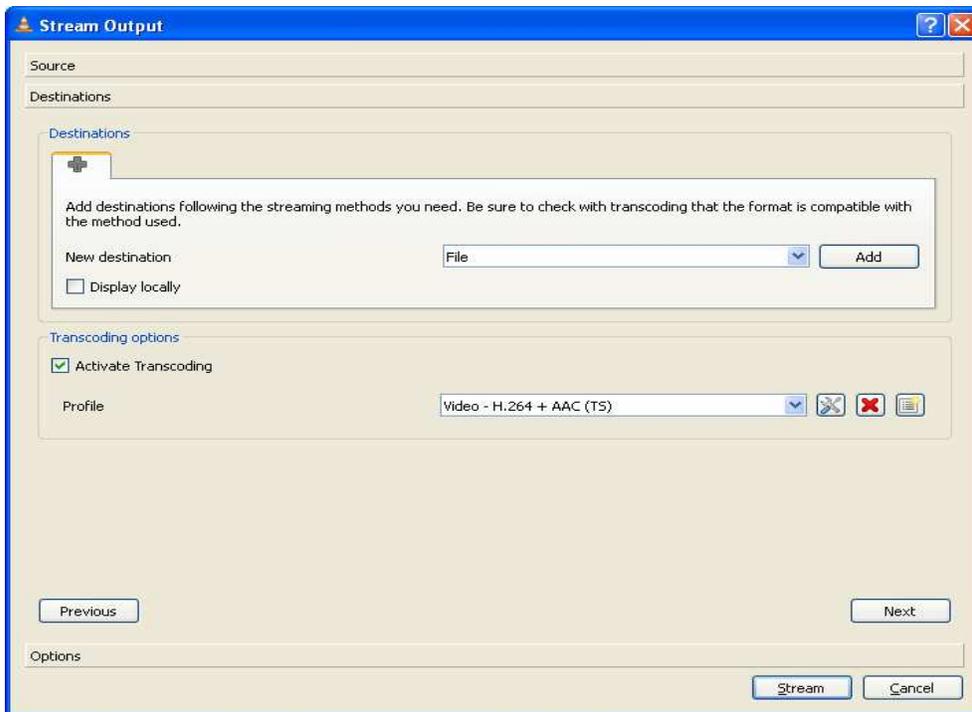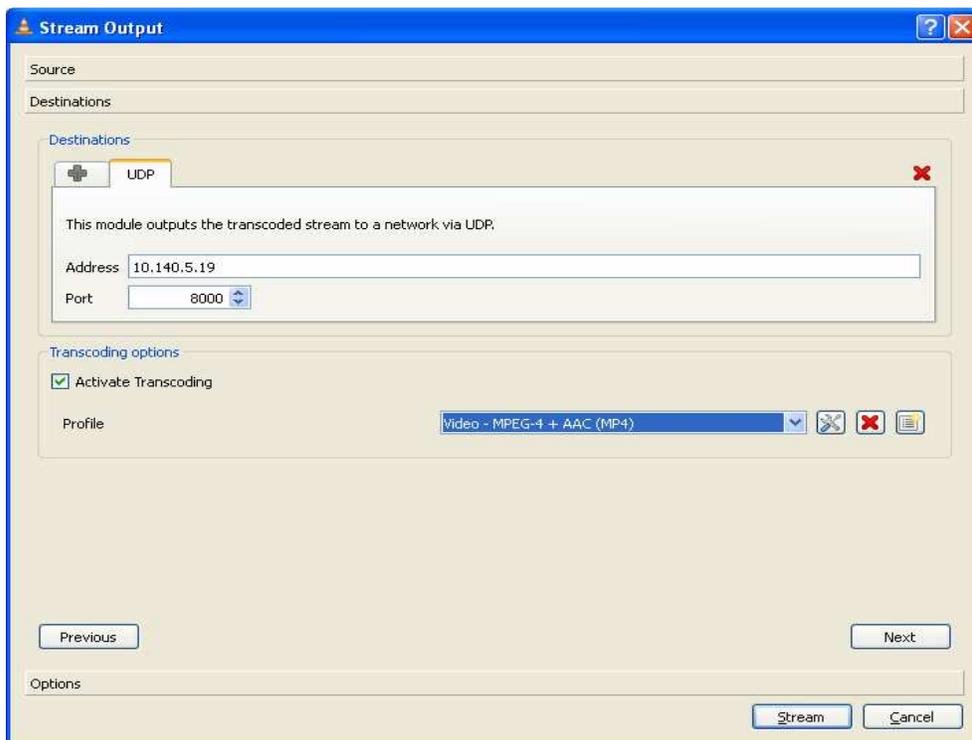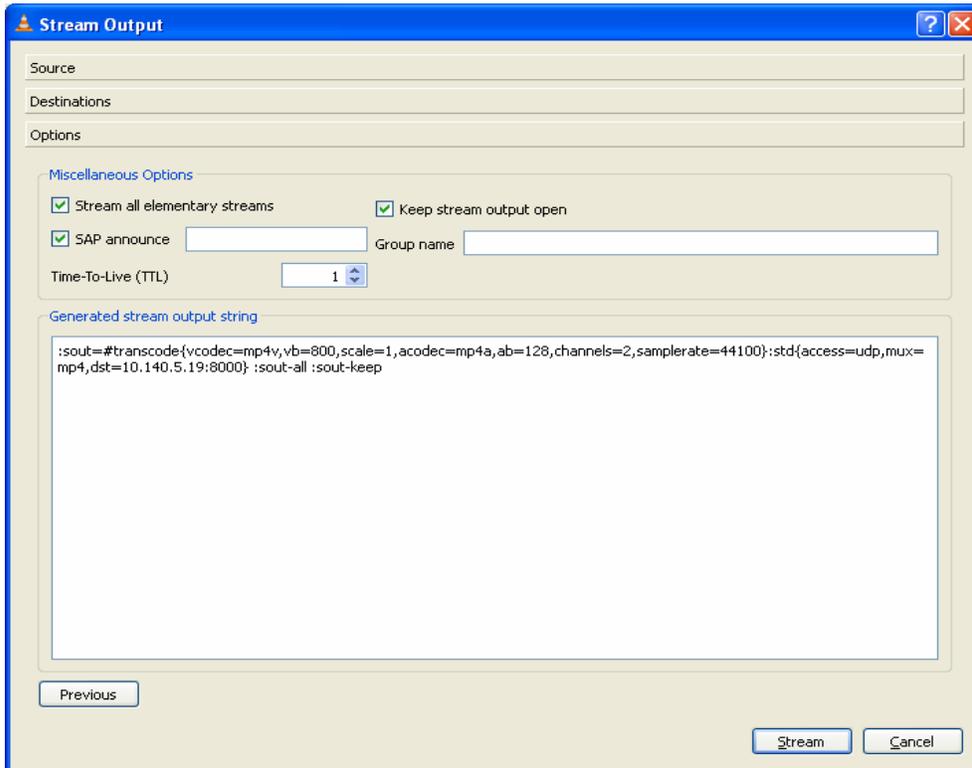   Port: 8000

Activate Transcoding Profile: Video - MPEG-4 + AAC (MP4)

8) Next

Stream Output

Source

Destinations

Options

Miscellaneous Options

☑ Stream all elementary streams   ☑ Keep stream output open

☑ SAP announce   Group name

Time-To-Live (TTL)   1

Generated stream output string

```
:sout=#transcode{vcodec=mp4v,vb=800,scale=1,acodec=mp4a,ab=128,channels=2,samplerate=44100}:std{access=udp,mux=
mp4,dst=10.140.5.19:8000} :sout-all :sout-keep
```

Previous

Stream   Cancel

Check: all Miscellaneous Options
Increase: TTL to 3

9) Click "Stream", to start Streaming

Streaming - VLC media player

Media   Playback   Audio   Video   Tools   View   Help

Streaming   1.00x   65:11:19/--:--
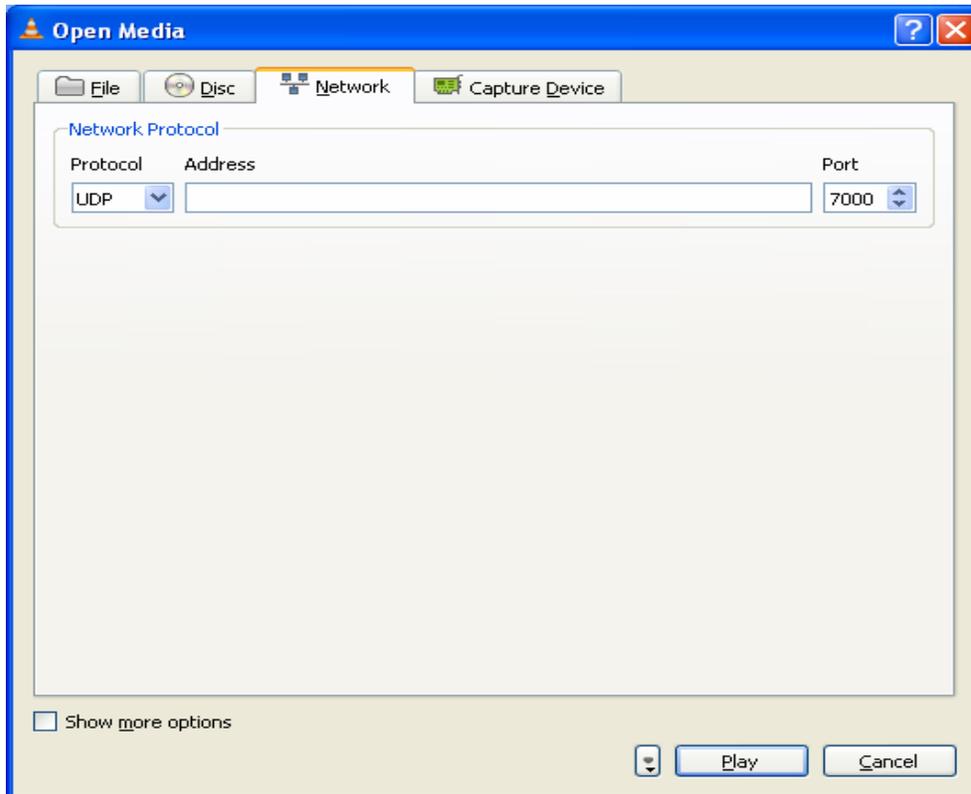
Note: CPU usage: ~ 28 %   on a demo PC,
               Dell Vostro 420 (Intel Core2 Quad CPU, Q8200 @ 2.33GHz)

10) On Receiving PC:

    A) Launch VLC

    B) Media | Open Network Stream

    Select: UDP / RTP (you set on streaming source PC)
    Enter: {Address, and } Port #

    C) Click "Play", to view the stream

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