



**How to Integrate RTSP Streams from NON-RTSP  
Cameras for use with Geovision NVR/DVR Software**

**By**

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**Summary:** If the camera or interface does not provide a MPEG4 Compatible RTSP Stream in which works with our Geovision NVR / DVR Software, you can create a RTSP MPEG4 stream from VLC and adding the stream through RTSP over UDP.

## Requirements

- Geovision VMS Software
- Geovision Third Party IP Camera License
- GV-USB License
- VLC Player

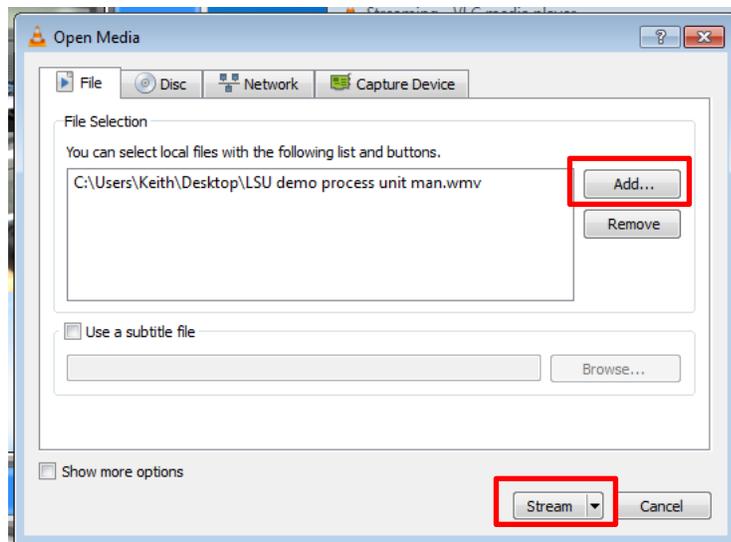
### Step 1: Setup all software

Please make sure you have the:

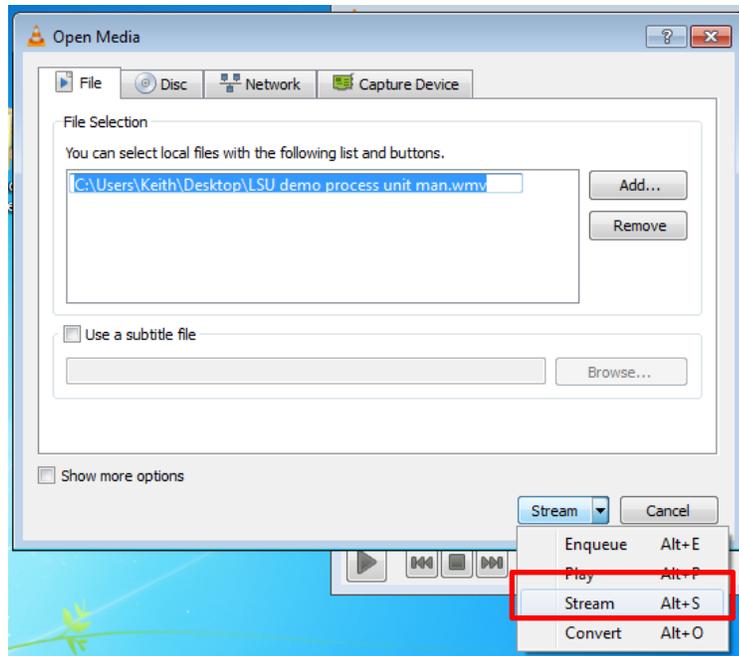
- Geovision Software Installed
- GV-USB Drivers Installed
- VLC Installed
- Geovision Third Party License Installed

### Step 2: Setting up the stream in VLC

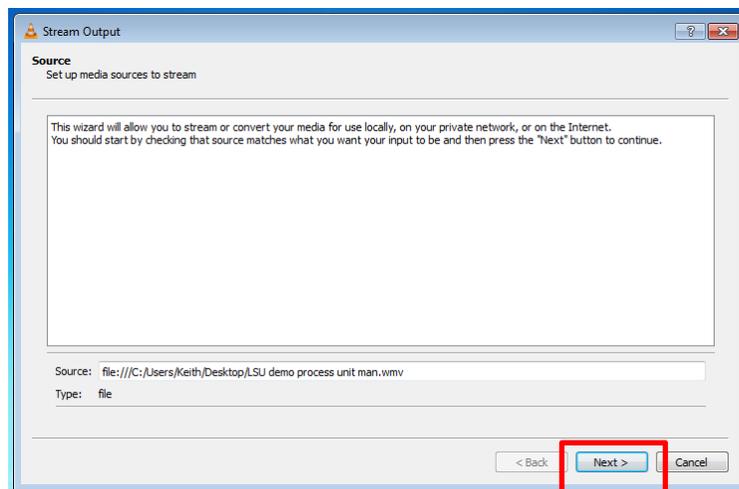
Add the File or Network Stream to the Open Media Menu



Click on Streams and Click Stream

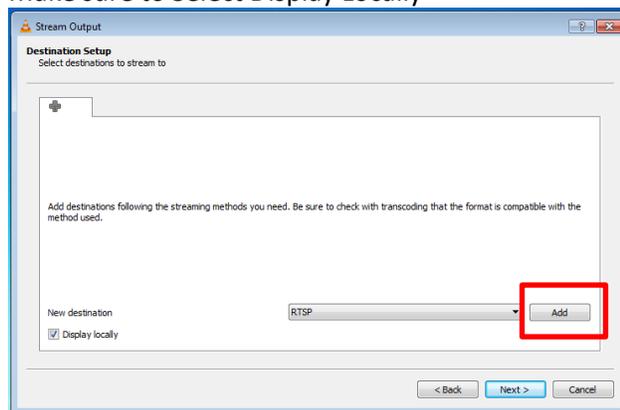


**Step 3: Click Next**



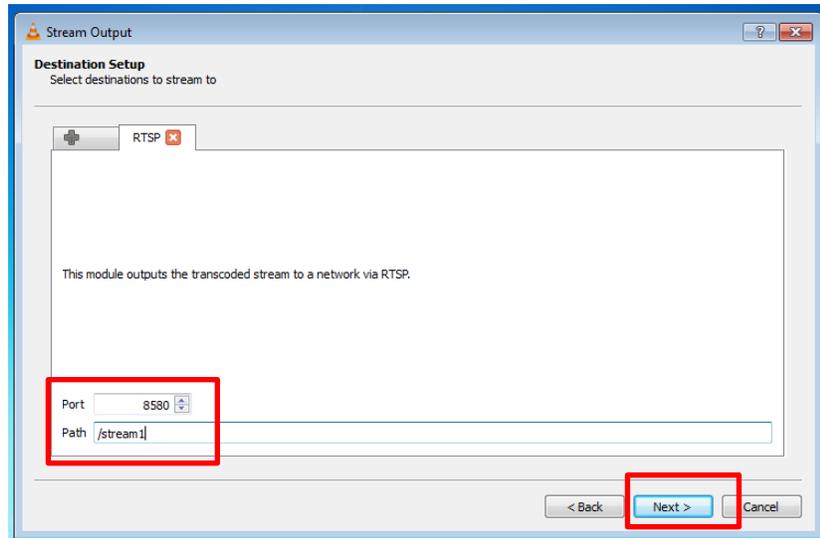
**Step 4: Stream Output**

Under stream output, by New Destination, click on RTSP and Click ADD.  
Make sure to Select Display Locally



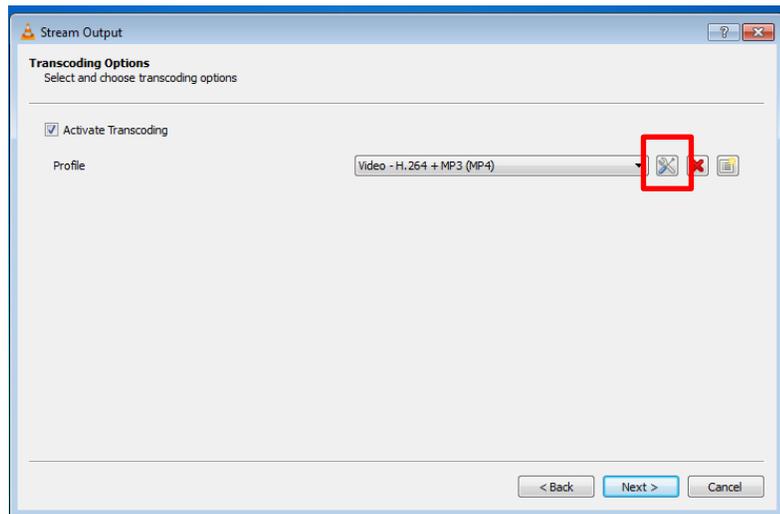
### Step 5: Specify Port and Stream

To make sure it does not interfere with Multicam 3GP Streaming port, change it to a port other than 8554. I decided to choose 8580. Under path, I decide to give it a name, such as **Stream 1**



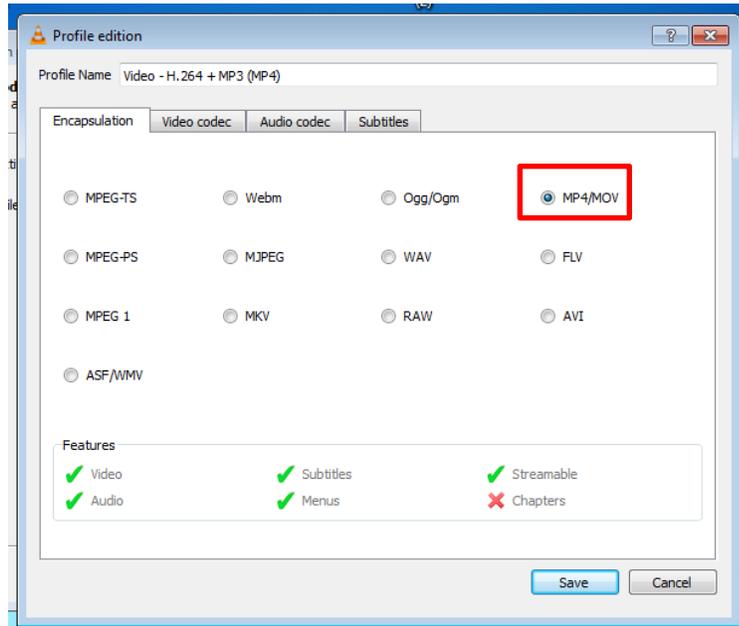
### Step 5: Transcoding Options

Click on the Red Box below to change the transcoding options



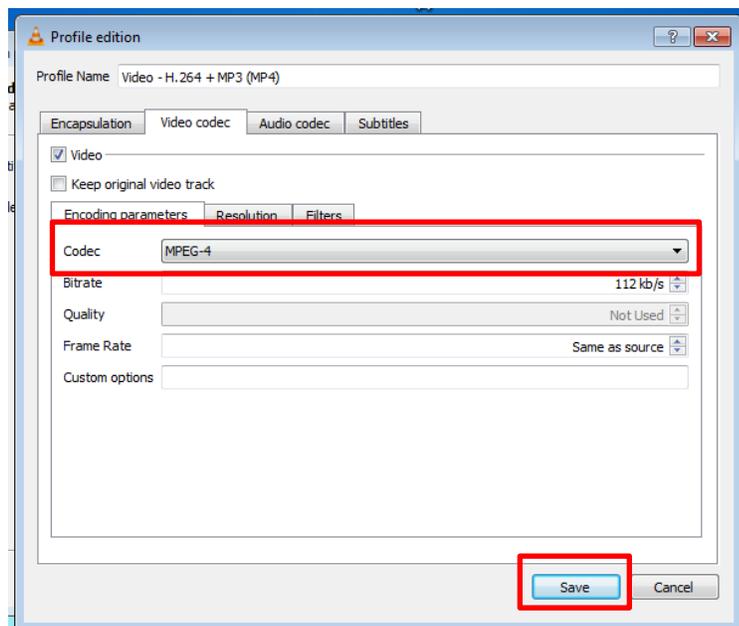
## Step 6: Encapsulation

Under Encapsulation, Make sure to Select MP4/MOV



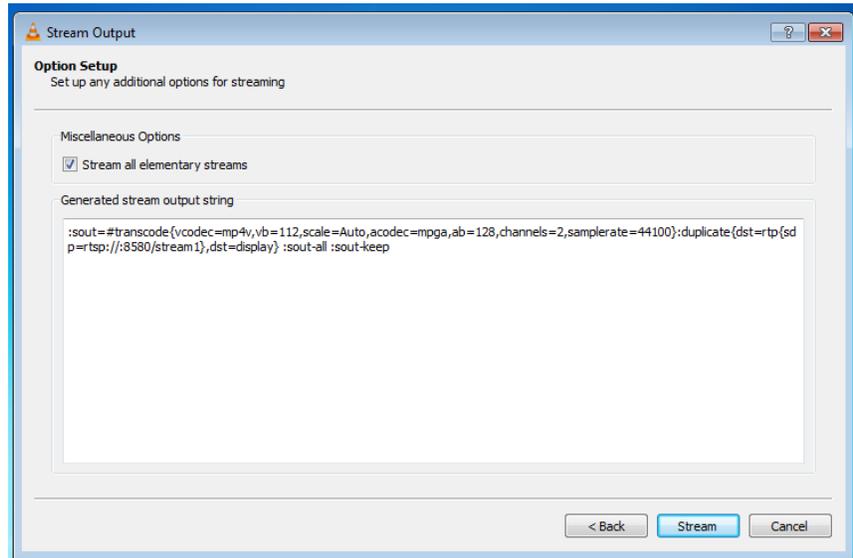
## Step 7: Video Codec

Under Video Codec, make sure to select MPEG-4 as the Codec. Click Save.



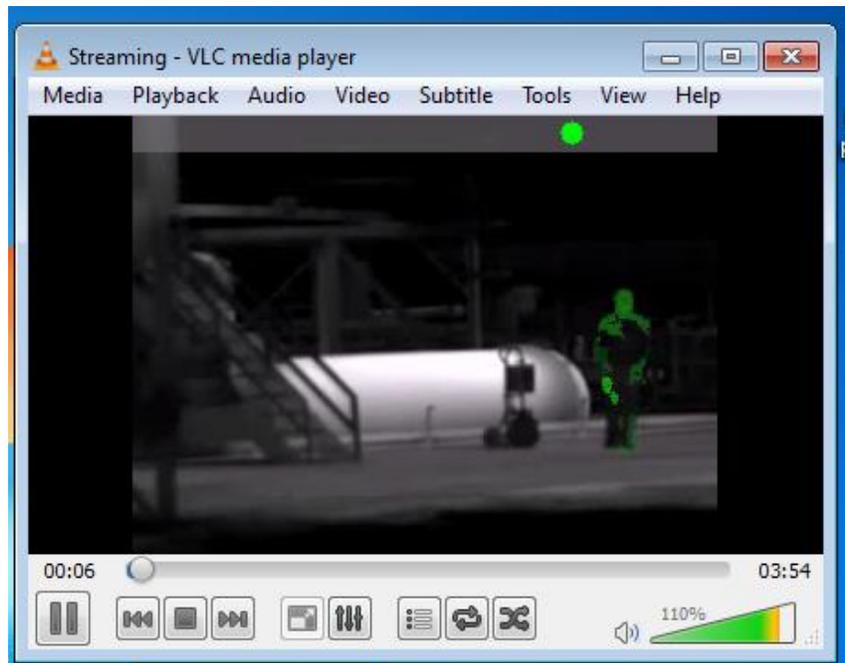
## Step 8: Option Setup

Under Option Setup, make sure to select Stream all elementary streams



## Step 9: Streaming in VLC

If you see an Image of the Stream in VLC, that means it is streaming Properly.

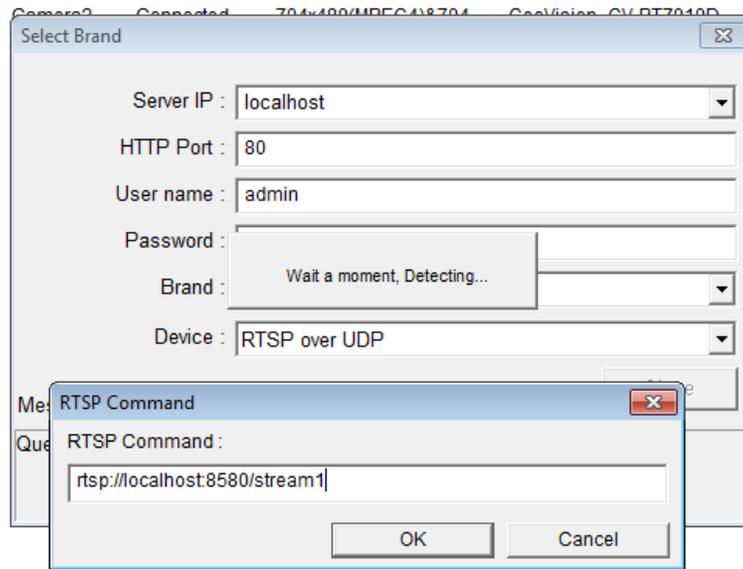


# Adding the Camera to Multicam

**Step 10: Add camera by using RTSP over UDP**

To get to this menu, go to Configure > System Configure > IP Camera Setup> Add Camera:

Device IP Address: Localhost\*  
 HTTP Port: 80  
 Admin and Admin for the Username and Password  
 Brand: Protocol  
 RTSP Command: rtsp://localhost:8580/stream1



\*This can be changed in Step 8. Make sure to specify an IP Address between rtsp://IP\_Address:8554

**Step 11: Make sure it shows the resolution when the camera is actually connected**

When the camera connects successfully, it should show the resolution of the camera

IP Device Setup					
Server address	Port	Cam. NO.	Status	Video Resolution	Brand
localhost	80	Camera7	Connected	320x240(MPEG4)	Protocol(RTSP)
192.168.0.8	10000	Camera10	Connected	320x256(H264)&1280x...	GeoVision_GV-BL
192.168.0.7	35602	Camera11	Connected	320x256(H264)&1280x...	GeoVision_GV-BX
192.168.0.50	10000	Camera13	Connected	448x252(H264)&1920x...	GeoVision_GV-CB
192.168.0.42	10000	Camera9	Connected	2560x1920(H264)	GeoVision_GV-FF