

Read Me

First download OBS.

Use these settings for local host

Service	Custom...	
Server	rtmp://127.0.0.1/	
Stream Key	stream	Hide

Then download mona server and follow the instructions on here:

<https://obsproject.com/forum/resources/how-to-set-up-your-own-private-rtmfp-server-using-monaserver.153/>

Example of mona server:

```
Mon/Protocols.h[102] RTMP server started on 0.0.0.0:1935 (UDP)
Mon/Protocols.h[102] RTMP server started on 0.0.0.0:1935 (TCP)
Mon/Protocols.h[102] HTTP server started on 0.0.0.0:8080 (TCP)
Mon/Protocols.h[102] RTSP server started on 0.0.0.0:554 (TCP)
sources\FlashMediaStream.cpp[100] Method client 'publishStream' not found in application
sources\FlashMediaStream.cpp[100] Method client 'stopPublish' not found in application
sources\Publication.cpp[87] Publication stream started
sources\AMFWriter.cpp[228] Mixed object in AMF0 are not supported, switch to AMF3
sources\Publication.cpp[253] Write stream publication properties
sources\Server.cpp[144] 1 clients
sources\FlashMediaStream.cpp[100] Method client 'publishStream' not found in application
sources\Publication.cpp[90] Publication stream stopped
sources\Server.cpp[144] 0 clients
sources\FlashMediaStream.cpp[100] Method client 'publishStream' not found in application
sources\FlashMediaStream.cpp[100] Method client 'stopPublish' not found in application
sources\Publication.cpp[87] Publication stream started
sources\AMFWriter.cpp[228] Mixed object in AMF0 are not supported, switch to AMF3
sources\Publication.cpp[253] Write stream publication properties
sources\Server.cpp[144] 1 clients
sources\FlashMediaStream.cpp[100] Method client 'publishStream' not found in application /temp
sources\FlashStream.cpp[112] setBufferTime 3000ms on stream 1
sources\Listener.cpp[223] Properties sent to one listener of stream publication
sources\Listener.cpp[231] AAC codec info sent to one listener of stream publication
sources\Server.cpp[144] 1 clients
sources\FlashMediaStream.cpp[100] Method client 'publishStream' not found in application /temp
sources\FlashStream.cpp[112] setBufferTime 3000ms on stream 1
sources\Listener.cpp[223] Properties sent to one listener of stream publication
sources\Listener.cpp[231] AAC codec info sent to one listener of stream publication
sources\Server.cpp[144] 1 clients
```

Once you followed the instructions by starting up your mona server, then streaming the lab footage from OBS to the mona server, you do the following:

Download VLC

Follow the vid (and follow it (open mona server, capture the camera footage with OBS and send it to the mona server, use VLC to retrieve the camera footage from mona server and display it to the user.

<https://www.youtube.com/watch?v=EbGPN95Vdgo>

File	Disc	Network	Capture Device
------	------	---------	----------------

Network Protocol

Please enter a network URL:

rtmp://127.0.0.1/temp/stream

http://www.example.com/stream.avi
rtp://@:1234
mms://mms.examples.com/stream.asx
rtsp://server.example.org:8080/test.sdp
http://www.youtube.com/watch?v=gg64x

☐ Show more options

Play Cancel

Press stream (arrow down next to play)

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:

Type:

Press Next

Stream Output

Destination Setup
Select destinations to stream to

Add destinations following the streaming methods you need. Be sure to check with transcoding that the format is compatible with the method used.

New destination

☐ Display locally

File
File
HTTP
MS-WMSP (MMSH)
RTSP
RTP / MPEG Transport Stream
RTP Audio/Video Profile
UDP (legacy)
Icecast

Add HTTP

HTTP

This module outputs the transcoded stream to a network via HTTP.

Port

Path

Press next (unless you want to change the port to something else)

Profile Name

Encapsulation Video codec Audio codec Subtitles

☐ MPEG-TS ☐ Webm ☒ Ogg/Ogm ☐ MP4/MOV

☐ MPEG-PS ☐ MJPEG ☐ WAV ☐ FLV

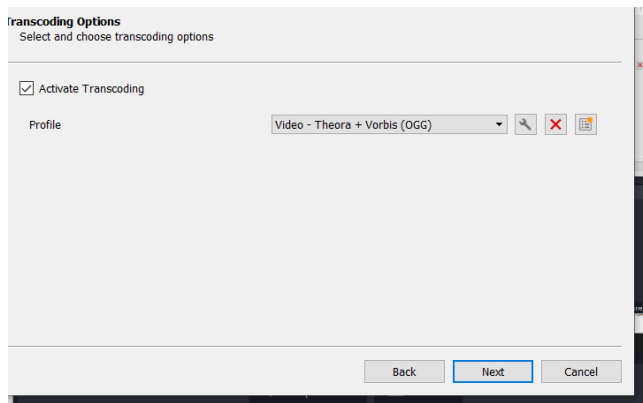
☐ MPEG 1 ☐ MKV ☐ RAW ☐ AVI

☐ ASF/WMV ☐ FLAC ☐ MP3

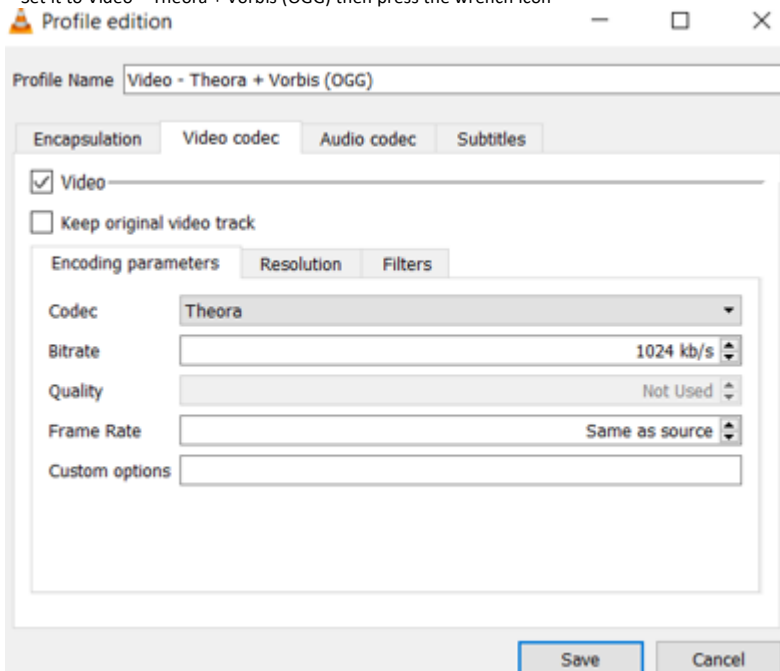
Features

☒ Video ☒ Subtitles ☒ Streamable

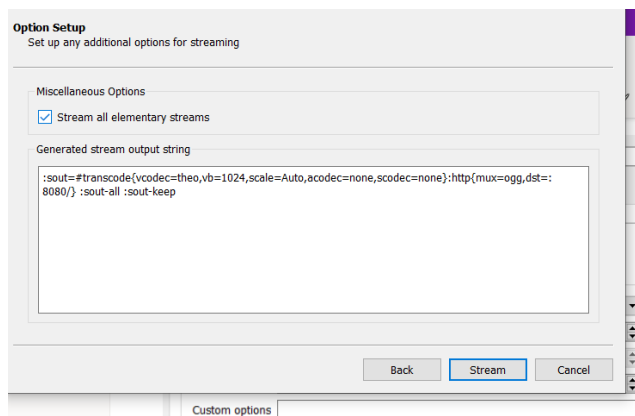
☒ Audio ☒ Menus ☒ Chapters



Set it to Video – Theora + Vorbis (OGG) then press the wrench icon

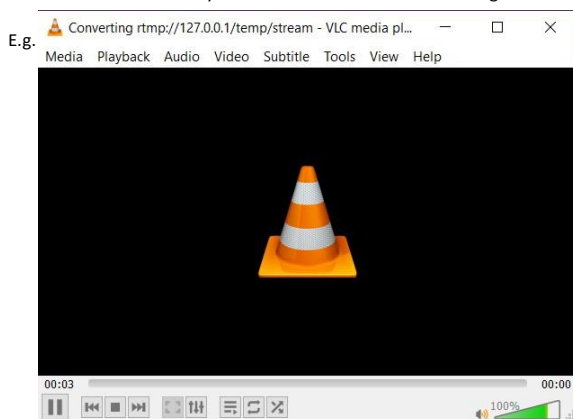


Use these setting (you can change bitrate and audio code and subtitles are off as we only need to camera feed). Then press Save and then press Next



Tick the stream all elementary icon streams, then press stream

After this it should show you a blank VLC with a timer running



Embedding the stream on a website.

Using the basic website provided by **Ali Al Temimi** to test it
I've found out that it is working, however the signal isn't continuous.

If the streaming starts at $t=0s$ and you request the stream on the website at $t=10s$, it will give a recording of the stream from $t=0s$ to $t=10s$.

So you would have to refresh the website again, for example you refresh it at $t=20s$, you'll receive a recording from $t=0s$ to $t=20s$



```
videotest - Notepad
File Edit Format View Help
<!DOCTYPE HTML>
<html lang="en">
<head>
  <meta charset="utf-8">
  <title>LabFootage</title>
</head>
<body>
  <video autoplay muted controls>
    <source src="http://127.0.0.1:8080"/>
    Your browser does not support HTML5 video element
  </video>
</body>
</html>
```