Read Me

First download OBS.

Use these settings for local host

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

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:

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

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: rtmp:\\127.0.0.1\temp\stream
Type: rtmp

Back | Next | Cancel

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: File ▾ | Add
Display locally

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

Cancel

Add HTTP

➕ | HTTP ✕

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

Port: 8080
Path: /

Back | Next | Cancel

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

Profile Name: Video - Theora + Vorbis (OGG)

| 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
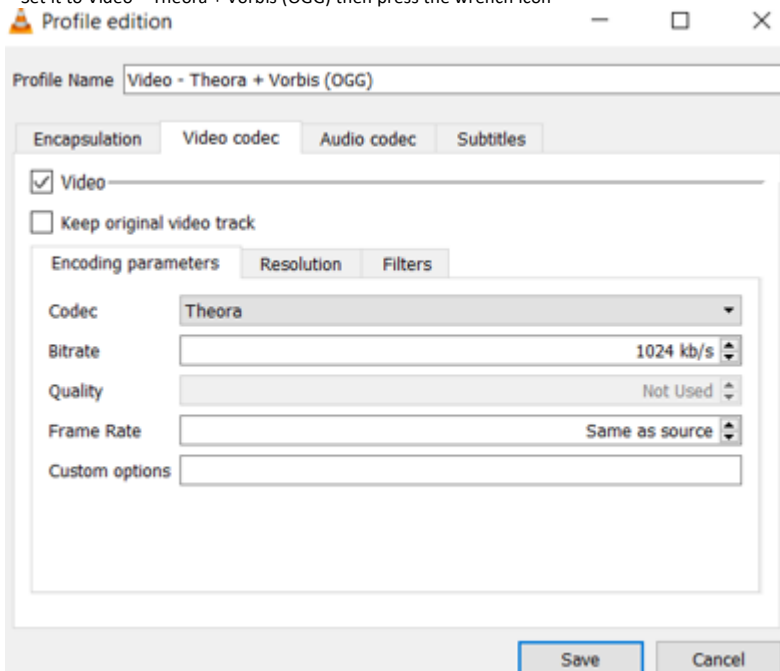
✔ Video   ✘ Subtitles   ✔ Streamable
✔ Audio   ✘ Menus   ✔ Chapters

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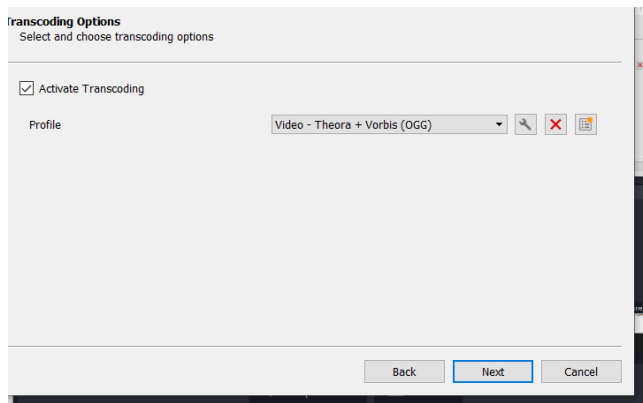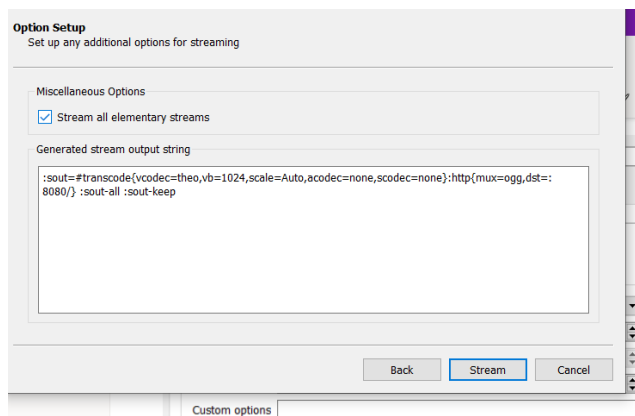
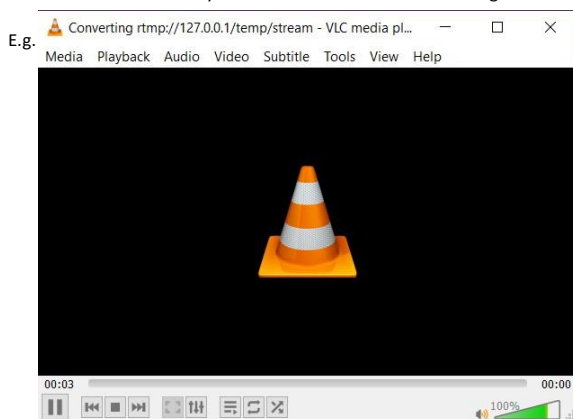Set it to Video – Theora + Vorbis (OGG) then press the wrench icon

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

E.g.

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 HTML% video element
    </video>
</body>
</html>
```