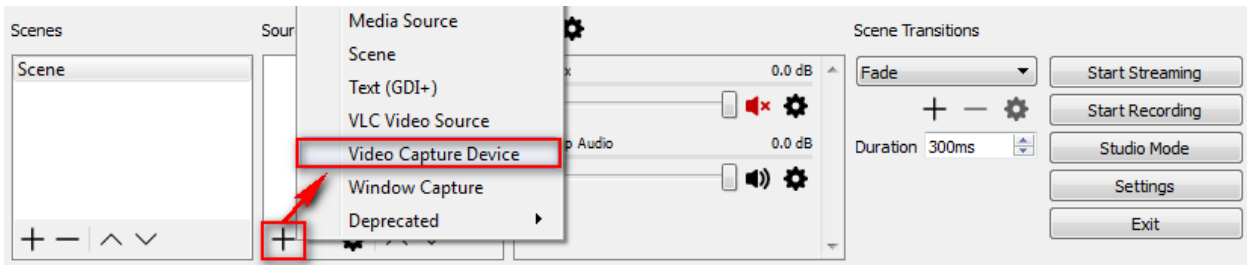


# How to Configure Open Broadcaster Software (OBS) for HD Broadcasting

## Configuring OBS for HD broadcasting (Windows)

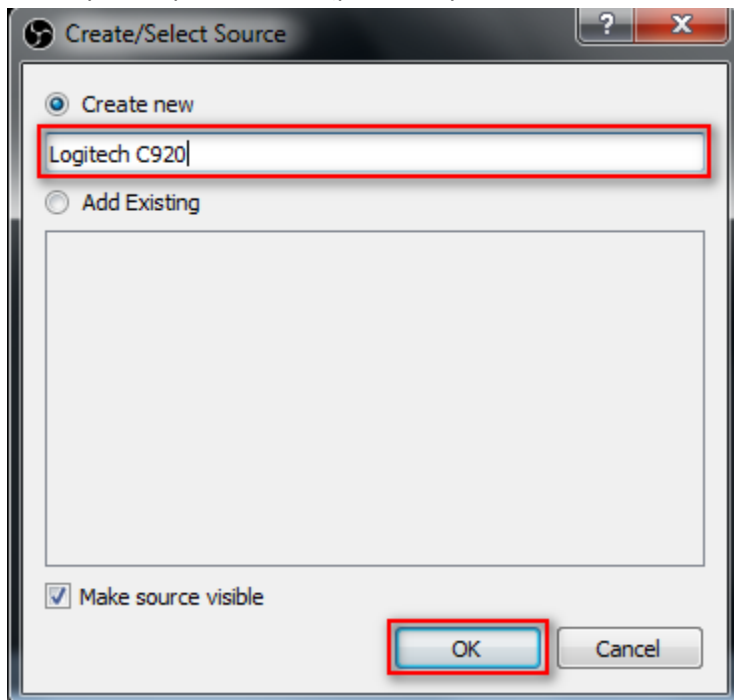
### Step 1

Open OBS. Click the Plus icon “+” under Sources and select “Video Capture Device”



### Step 2

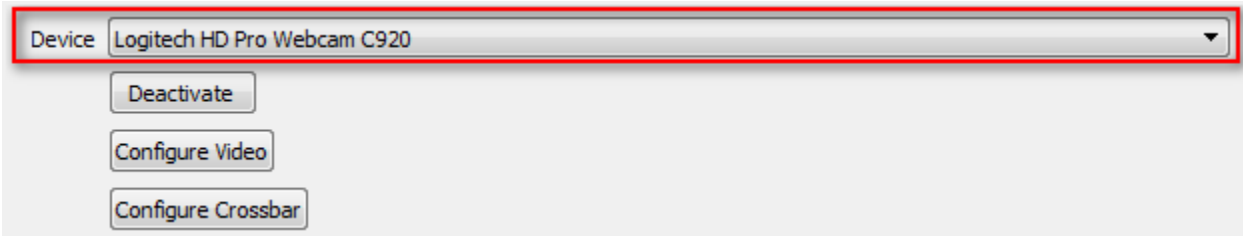
Name your capture device (preferably the name and model of the camera) then click OK.



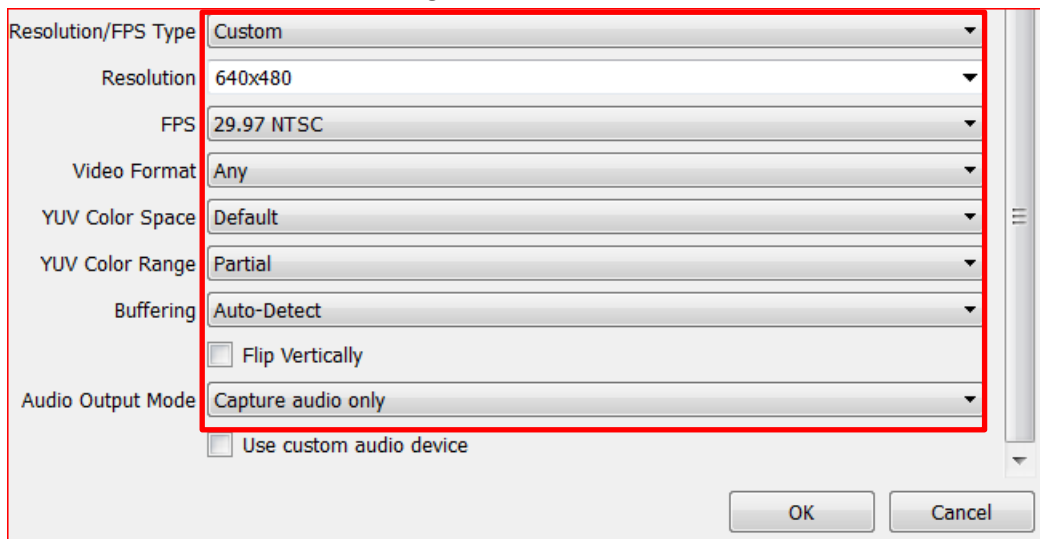
### Step 3

A pop up menu will appear. Select your camera from the Device dropdown menu, then modify the camera properties to the specifications below:

- **Device:** Select your webcam from the drop down menu

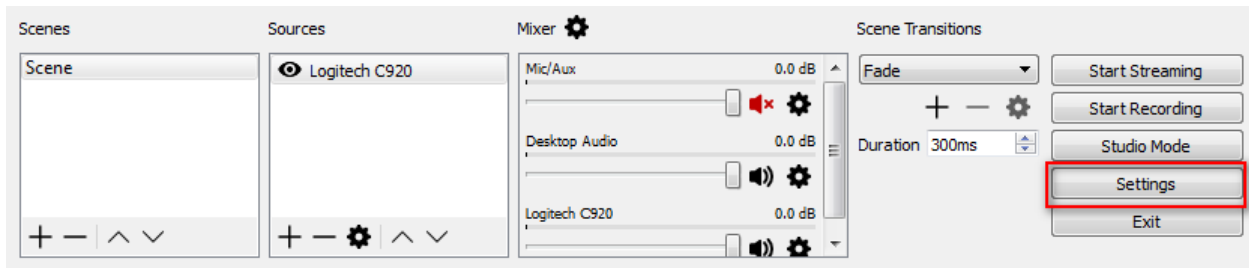


- **Resolution/FPS Type:** Custom
- **Resolution:** 640x480
- **FPS:** 29.97 NTSC or 30
- **Video Format:** Any
- **YUV Color Space:** Default
- **YUV Color Range:** Partial
- **Buffering:** Auto-Detect
- **Audio Output Mode:** Capture audio only
- Click "OK" to save the changes



#### Step 4

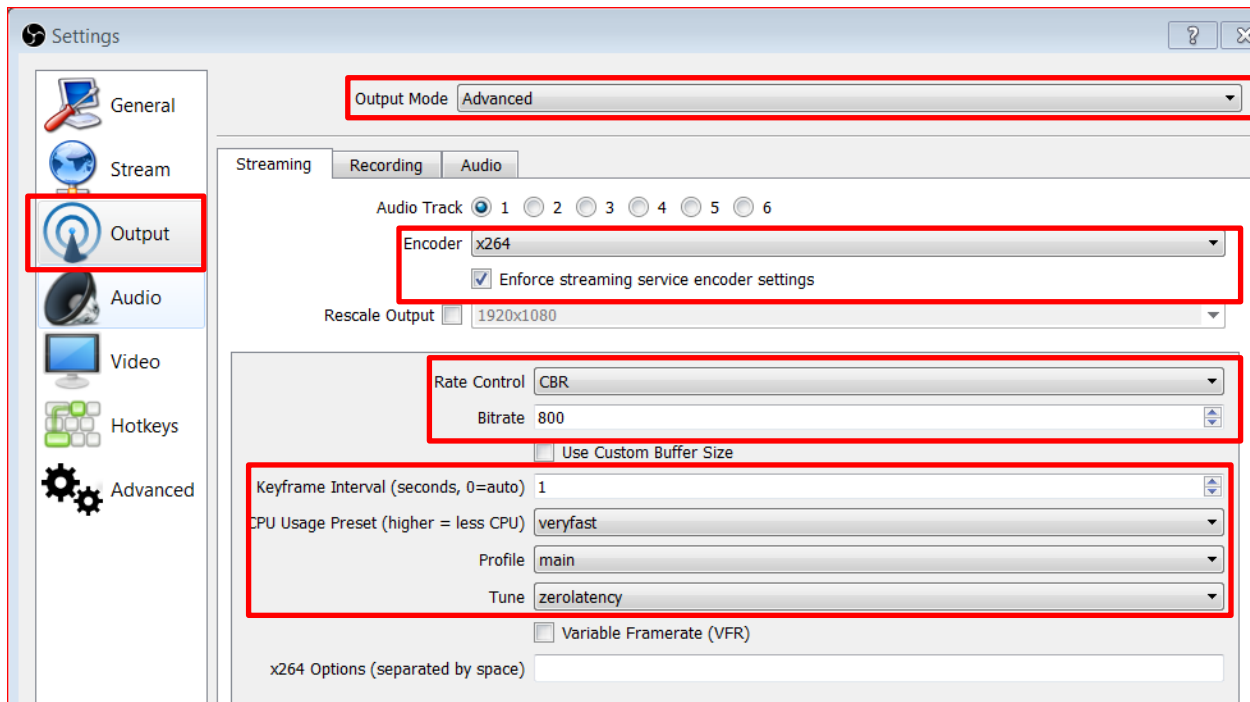
Click the “Settings” button



#### Step 5

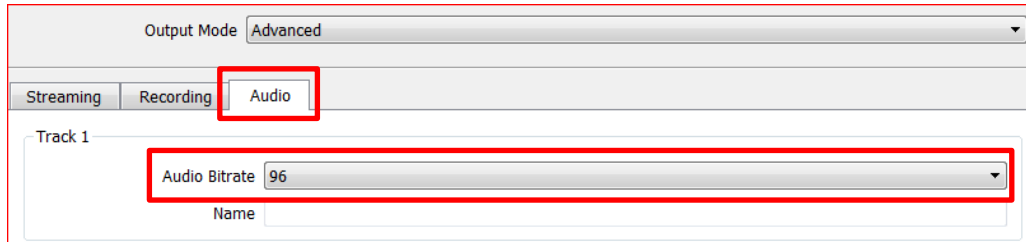
Click “Output” in the left pane and change the values in the fields below:

- **Output Mode:** Advanced
- **Encoder:** x264
- **Enforce streaming service encoder settings:** box is checked
- **Rate Control:** CBR
- **Bitrate:** 800
- **Keyframe Interval (seconds, 0=auto):** 1
- **CPU Usage Preset (higher = less CPU):** veryfast
- **Profile:** main
- **Tune:** zerolatency
- Click “Apply” in the lower right corner



### Step 6

Click on the “Audio” tab and change the Audio Bitrate value to “96”. Click “Apply” in the lower right corner.



### Step 7

Click “Audio” in the left pane and change the values below:

- **Sample Rate:** 44.1khz
- **Channels:** Mono
- **Mic/Auxiliary Audio Device:** Default
- Click “Apply” in the lower right corner

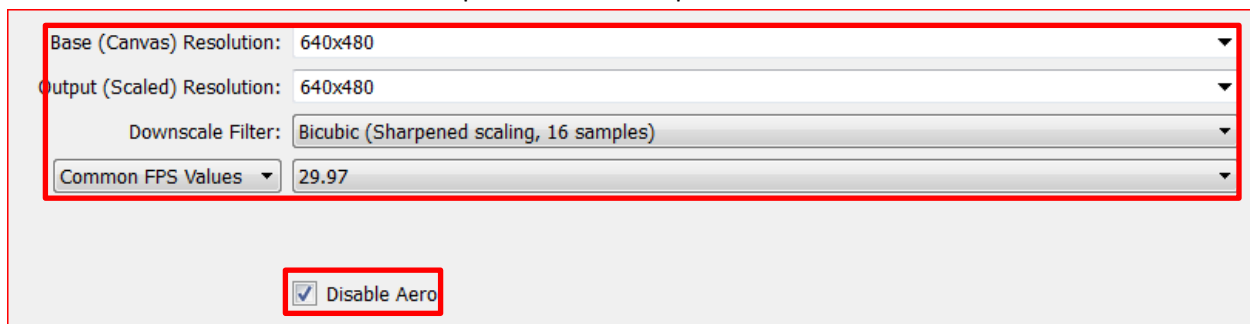


### Step 8

Click “Video” in the left pane and change the values below:

- **Base (Canvas) Resolution:** Type 640x480 in this field
- **Output (Scaled) Resolution:** Type 640x480 in this field
- **Downscale Filter:** Bicubic (Sharpened scaling, 16 samples)
- **Common FPS Values:** 29.97
- Click “Apply” then “OK” in the lower right corner. You are now ready to broadcast in HD!

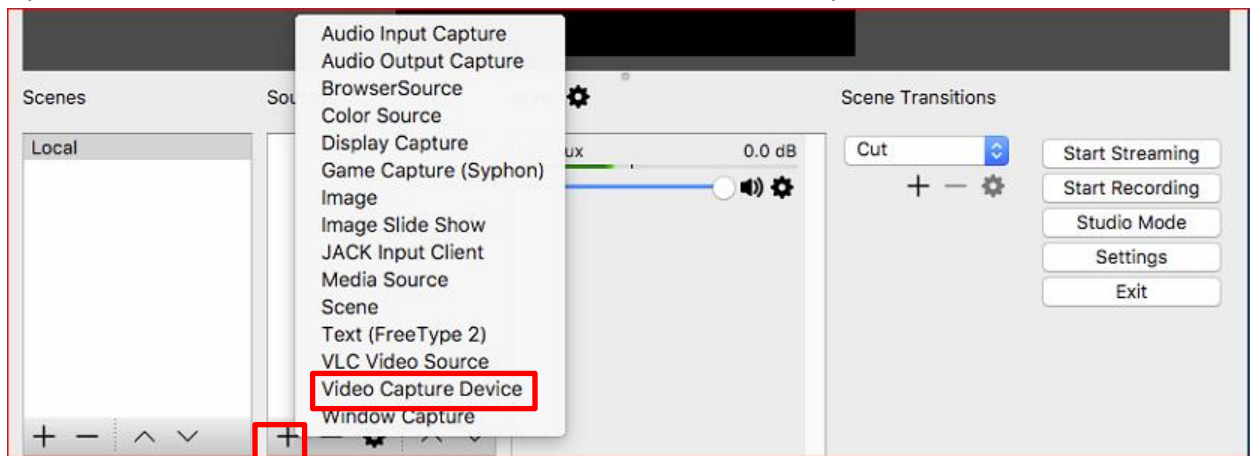
Check the box to Disable Aero for low performance computers



## Configuring OBS for broadcasting (Macintosh)

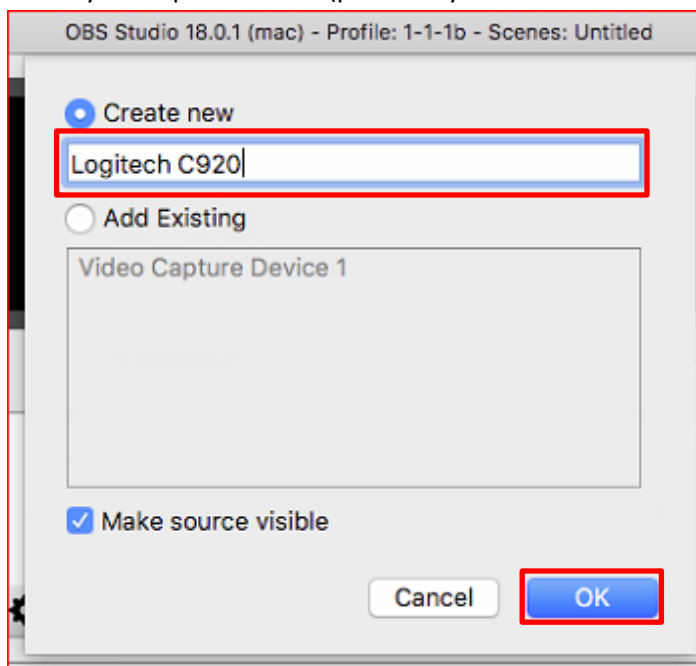
### Step 1

Open OBS. Click the Plus icon “+” under Sources and select “Video Capture Device”



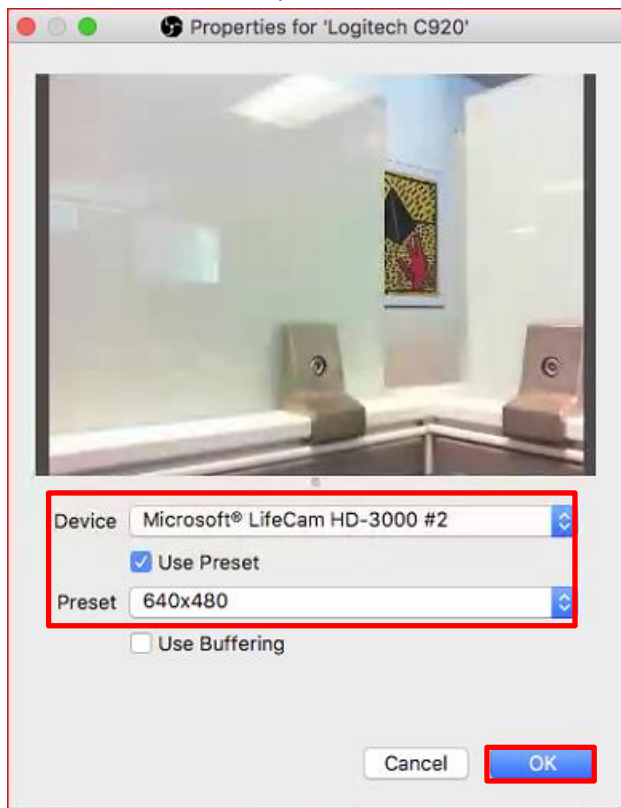
### Step 2

Name your capture device (preferably the name and model of the camera) then click OK.



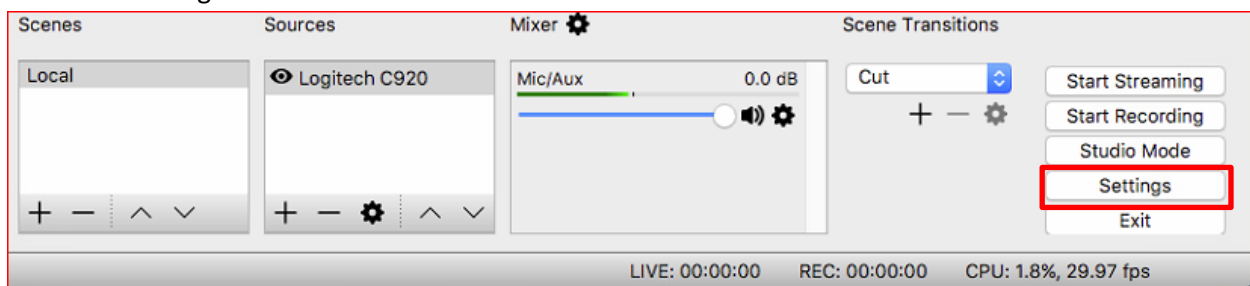
### Step 3

A pop up menu will appear. Select your camera from the Device dropdown menu. Check the preset box and select 640x480 as your Preset resolution.



### Step 4

Click the "Settings" button



## Step 5

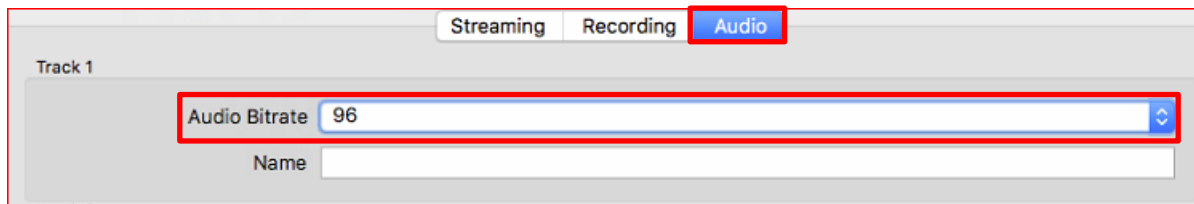
Click "Output" in the left pane and change the values in the fields below:

- **Output Mode:** Advanced
- **Encoder:** x264
- **Enforce streaming service encoder settings:** box is checked
- **Rate Control:** CBR
- **Bitrate:** 800
- **Keyframe Interval (seconds, 0=auto):** 1
- **CPU Usage Preset (higher = less CPU):** veryfast
- **Profile:** main
- **Tune:** zerolatency
- Click "Apply" in the lower right corner

The screenshot shows the 'Output' settings panel for a video encoder. At the top, 'Output Mode' is set to 'Advanced'. Below this are tabs for 'Streaming', 'Recording', and 'Audio', with 'Streaming' selected. Under 'Audio Track', radio buttons for tracks 1 through 6 are shown, with track 1 selected. A red box highlights the 'Encoder' dropdown menu set to 'x264' and the checked 'Enforce streaming service encoder settings' checkbox. Below this, 'Rescale Output' is unchecked and '1680x1050' is selected. Another red box highlights the 'Rate Control' dropdown set to 'ABR' and the 'Bitrate' input field set to '800'. Below that, the 'Use Custom Buffer Size' checkbox is unchecked. A third red box highlights the 'Keyframe Interval (seconds, 0=auto)' input set to '1', the 'CPU Usage Preset (higher = less CPU)' dropdown set to 'veryfast', the 'Profile' dropdown set to 'main', and the 'Tune' dropdown set to 'zerolatency'. At the bottom, the 'Variable Framerate (VFR)' checkbox is unchecked, and the 'x264 Options (separated by space)' input field is empty.

### Step 6

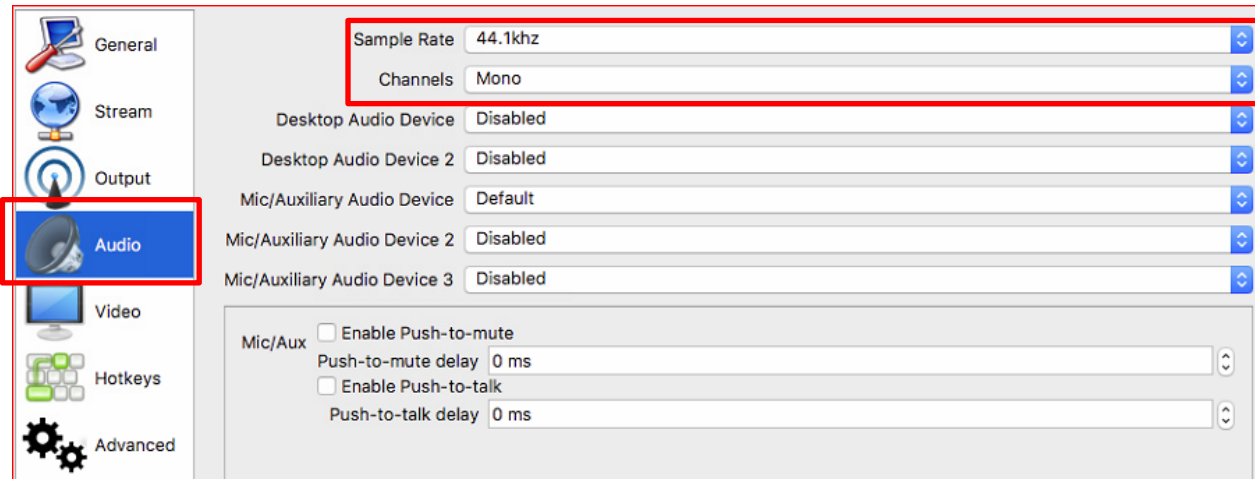
Click on the “Audio” tab and change the Audio Bitrate value to “96”. Click “Apply” in the lower right corner.



### Step 7

Click “Audio” in the left pane and change the values below:

- **Sample Rate:** 44.1khz
- **Channels:** Mono
- **Mic/Auxiliary Audio Device:** Default
- Click “Apply” in the lower right corner



### Step 8

Click “Video” in the left pane and change the values below:

- **Base (Canvas) Resolution:** Type 640x480 in this field
- **Output (Scaled) Resolution:** Type 640x480 in this field
- **Common FPS Values:** 29.97
- Click “Apply” then “OK” in the lower right corner. You are now ready to broadcast in HD!

