How to Configure Open Broadcaster Software (OBS) for 720p 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**: 1280x720
- **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**: 1500
- **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**: 1280x720
- **Output (Scaled) Resolution**: 1280x720
- **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 720p!
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 1280x720 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**: 1500
- **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

![Audio Settings](image1)

Step 8
Click “Video” in the left pane and change the values below:

- **Base (Canvas) Resolution**: 1280x720
- **Output (Scaled) Resolution**: 1280x720
- **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 720p!

![Video Settings](image2)