# 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.

S Create/Select Source		? ×
Oreate new		
Logitech C920		
Add Existing		
Make source visible		
Thate addree visible	ОК	Cancel

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

Device Logitech	HD Pro Webcam C920
Deactive	ate
Configure	2 Video
Configure	Crossbar
Resolution	on/FPS Type: Custom
Resolution	on: 1280x720
• <b>FPS</b> : 29.9	07 NTSC or 30
Video Fo	rmat: Any
YUV Cold	or Space: Default
YUV Cold	or Range: Partial
Buffering	g: Auto-Detect
Audio Ou	utput Mode: Capture audio only
Click "OK	" to save the changes
Resolution/FPS Type	Custom
Resolution	1280x720 🔹
FPS	29.97 NTSC
Video Format	Any
YUV Color Space	Default 🔹
YUV Color Range	Partial
Buffering	Auto-Detect 🗸
	Flip Vertically
Audio Output Mode	Capture audio only
	Use custom audio device

Click the "Settings" button

Scenes	Sources	Mixer 🏠		Scene Transitions	
Scene	• Logitech C920	Mic/Aux 0.	dB 🔺	Fade 🔻	Start Streaming
			¢	+ - 🌣	Start Recording
		Desktop Audio 0.0	dB ≘	Duration 300ms 🚖	Studio Mode
			¢		Settings
	1	Logitech C920 0.4	dB	J	Exit
$+ - $ $\wedge \vee$	$+ - \mathbf{o} \wedge \vee$	• • • • • • • • • • • • • • • • •	<b>6</b> -		

#### 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

General	Output Mode Advanced	•
Stream	Streaming Recording Audio Audio Track	
Output	Encoder x264 Encoder settings	-
Audio	Rescale Output 🔲 1680x1050	-
Video	Rate Control CBR Bitrate 1500	▼
	Use Custom Buffer Size	
Hotkeys	Keyframe Interval (seconds, 0=auto) 1	÷
Advanced	CPU Usage Preset (higher = less CPU) veryfast Profile main Tune zerolatency	• •
	Variable Framerate (VFR) x264 Options (separated by space)	

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

(	Output Mode Advanced 🗸
Streaming R	Recording Audio
Track 1	
	Audio Bitrate 96 🔹
	Name

## 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

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		General	Sample Rate	(44. 1khz 🗸	J
	$\sim$		Channels	Mono	)
		Stream	Desktop Audio Device	Default -	J
	$\underline{}$		Desktop Audio Device 2	Disabled 🗸	)
	$(\bigcirc)$	Output	Mic/Auxiliary Audio Device	Default 🗸	J
ſ			Mic/Auxiliary Audio Device 2	Disabled 🗸	]
		Audio	Mic/Auxiliary Audio Device 3	Disabled	)
					1

## 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!

Base (Canvas) Resolution	1280x720
Output (Scaled) Resolution	1280x720 🗸
Downscale Filter	Bicubic (Sharpened scaling, 16 samples)
Common FPS Values 🔻	29.97

Disable Aero

# **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.

	OBS Studio 18.0.1 (mac) - Profile: 1-1-1b - Scenes: Untitled
	Create new
	Logitech C920
	O Add Existing
	Video Capture Device 1
	Make source visible
×	Cancel OK

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.

	Properties for video Capture Device 2
	<b>BINITIAN</b>
Device	USB Camera
Device	USB Camera
Device	USB Camera USB Camera USB Preset 1280x720 (autoselect: 640x480)

# Step 4

Click the "Settings" button

Scenes	Sources	Mixer 🏠		Scene Transitions	
Local	• Logitech C920	Mic/Aux	0.0 dB	Cut	Start Streaming
				$+ - \diamond$	Start Recording
					Studio Mode
					Settings
+ - ^ ~	$+ - \diamond \land \lor$				Exit
		LIVE: C	0:00:00 REC	C: 00:00:00 CPU: 1.8	%, 29.97 fps

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

General	Output Mode Advanced	•
Stream	Streaming Recording Audio	
Output	Encoder x264 Encoder settings	-
Audio	Rescale Output 🔲 1680×1050	Ŧ
Video	Rate Control CBR Bitrate 1500	▼
Hotkeys	Use Custom Buffer Size	
	Keyframe Interval (seconds, 0=auto) 1 CPULIsane Preset /bicher = less CPUL) verufant	
Advanced	Profile main	
-	Tune zerolatency	<b></b>
	Variable Framerate (VFR)	
	x264 Options (separated by space)	

#### Step 6

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

133		Streaming Recording Audio	
Track 1			
	Audio Bitrate 96		\$
	Name		

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

General	Sample Rate	44.1khz ᅌ
	Channels	Mono
Stream Stream	Desktop Audio Device	Disabled 🗘
Qutout	Desktop Audio Device 2	Disabled 💲
Output	Mic/Auxiliary Audio Device	Default 🗘
Audio	Mic/Auxiliary Audio Device 2	Disabled 🗘
	Mic/Auxiliary Audio Device 3	Disabled
Video	Mic/Aux  Enable Push-to-mute	
Hotkeys	Push-to-mute dela	ay 0 ms
	Enable Push-to-talk	
*	Push-to-talk dela	ay 0 ms
Advanced		

## 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!

Base (Canvas) Resolution	1280x720 🗸
Output (Scaled) Resolution	1280x720
Downscale Filter	Bicubic (Sharpened scaling, 16 samples)
Common FPS Values 🔻	29.97