

# Proctoring Setup Guidelines

*for*

## International Collegiate Programming Contest

India Preliminary Online contest  
**2025**

Amritapuri      ↓      Chennai      ↓      Kanpur



**icpc.foundation**



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## Introduction & Requirements

To ensure fair play and transparency during the ICPC Online Contest, all participants are required to record their **screen, webcam video, and microphone audio** throughout the **3-hour contest** using **OBS Studio**.

This document provides **step-by-step instructions** for installing, configuring, and testing OBS Studio to capture your desktop, webcam, and audio effectively.

Participants must **set up and test the recording system in advance**, preferably **multiple times**, including during the **two scheduled mock contests**, to confirm that everything works correctly.

Please note that **technical support will not be available during the actual contest**, so it is crucial that your setup is fully functional and verified beforehand.

## Purpose of Recording

The recording serves to maintain fairness and transparency throughout the contest. It ensures that all participants adhere to contest rules and provides a verifiable record of the contest session.

## What Will Be Recorded

The following will be captured during the entire contest duration:

- Screen: Your entire primary monitor display including cursor movements
- Webcam: Live video feed from your integrated or external webcam
- Audio: Microphone input to capture any audio during the contest

## Duration

The recording must run continuously for the full 3-hour contest duration without interruption. We recommend you start the recording 5 or 10 minutes before the contest starts.

If you finish the contest earlier, you may **stop the recording after you stop the contest**. Please note, once the contest is stopped you **can't submit problems**.

## Storage Space & Hardware Requirements

- OS: Windows 10 / Windows 11 / Linux / macOS 11 (Big Sur) or later
- Processor: Intel i5-2500K / AMD Ryzen 1300X or higher (10th Gen Intel i3 or higher is also sufficient); Apple Silicon supported
- Memory (RAM): 8 GB or greater
- Graphics (GPU): DirectX 10.1 (Windows) / OpenGL 3.3 (macOS) or higher; Apple Silicon supported
- Storage Space: 4 GB free (for video recordings) or more
- Display: 1024 × 720 or higher
- Webcam: 720p HD
- Input Devices: Keyboard and Mouse
- Internet: Stable broadband connection



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## How to set up Recording

Find the detailed instructions to set up the recording based on the operating system that you are using.

- ✓ [Windows](#)
- ✓ [Mac](#)
- ✓ [Linux](#)

-----*End of General Instructions*-----

## Setup Guide for Windows

### 1. Install OBS Studio

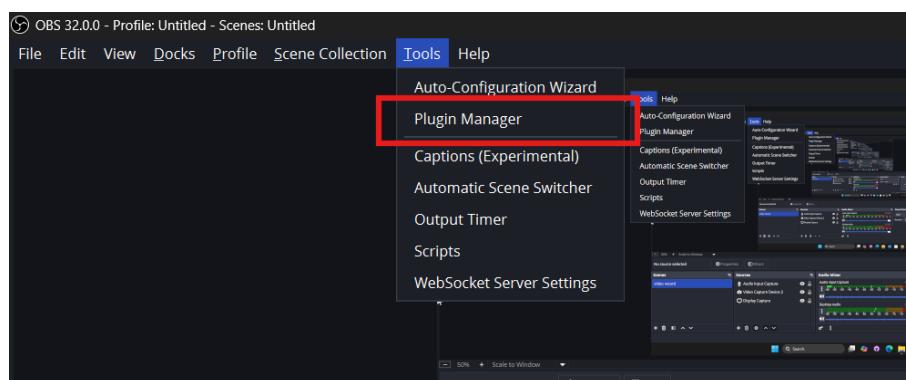
- Download and install OBS Studio (Open Broadcaster Software). [Click Here](#) to download OBS for Windows.
- Follow the on-screen instructions to complete the installation.

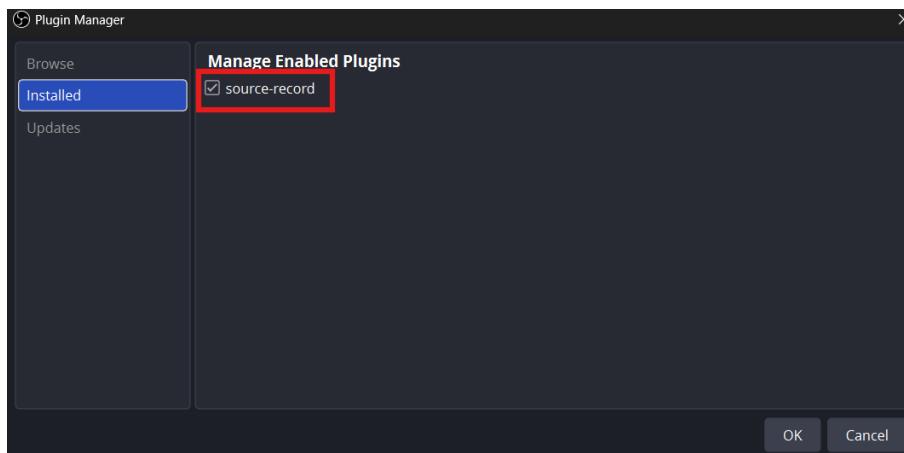
### 2. Install Python 3.12

- Visit the official [Python](#) website and download Python 3.12.0.
- Run the downloaded installer and IMPORTANT: Check the box "Add python.exe to PATH" at the bottom of the installer window before clicking "Install Now".
- Follow the on-screen instructions to complete the installation.

### 3. Install Source Record Plugin (for Dual Recording)

- Download the Source Record plugin for OBS. [Click Here](#).
- Run the downloaded file.
- The installer will automatically configure the plugin with OBS. No manual configuration is required.
- In OBS, navigate to Tools → Plugin Manager. Locate Source Record in the list and enable it by checking the checkbox.





## 4. Install Required Python Package

- Open Command Prompt or PowerShell.
- Run the following command: pip install requests

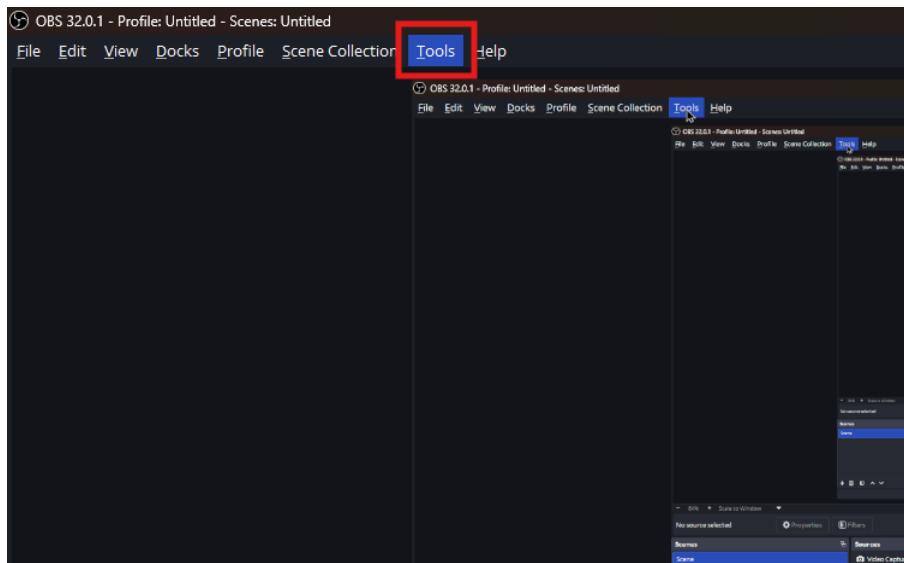
This installs the requests package required for the proctoring scripts.

## 5. Configure OBS Scripts

- A `script.py` file will be made available for download on the website (please keep checking <https://indiacpc.in/> and your respective regional sites for updates). This file will need to be configured within OBS.

### Instructions:

- Go to Tools → Scripts → Click on the + icon → Select the `script.py` file.

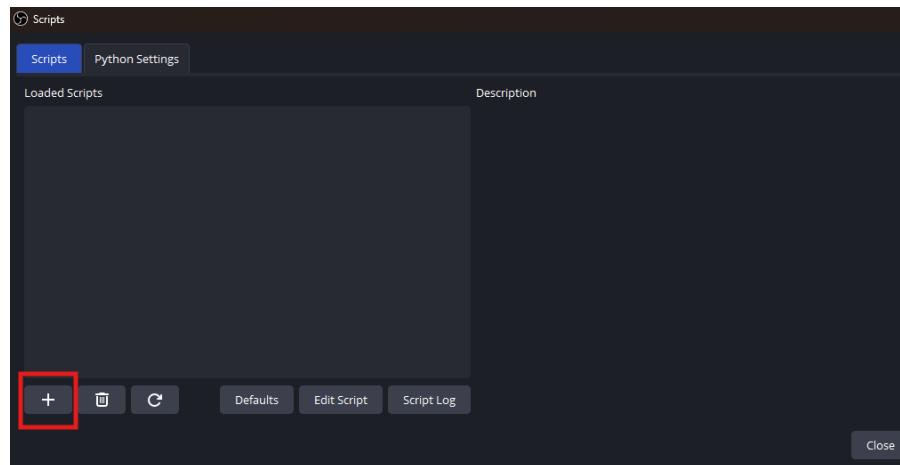
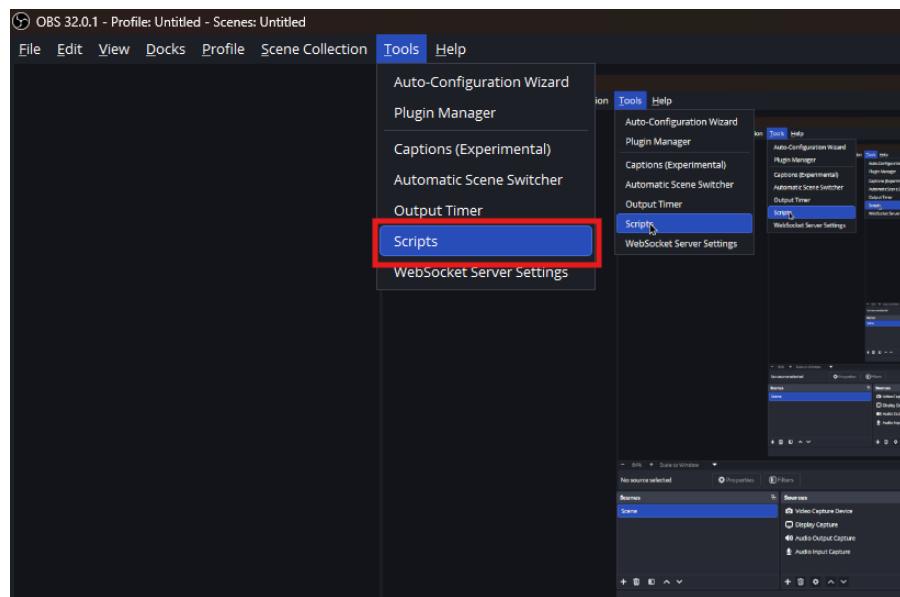




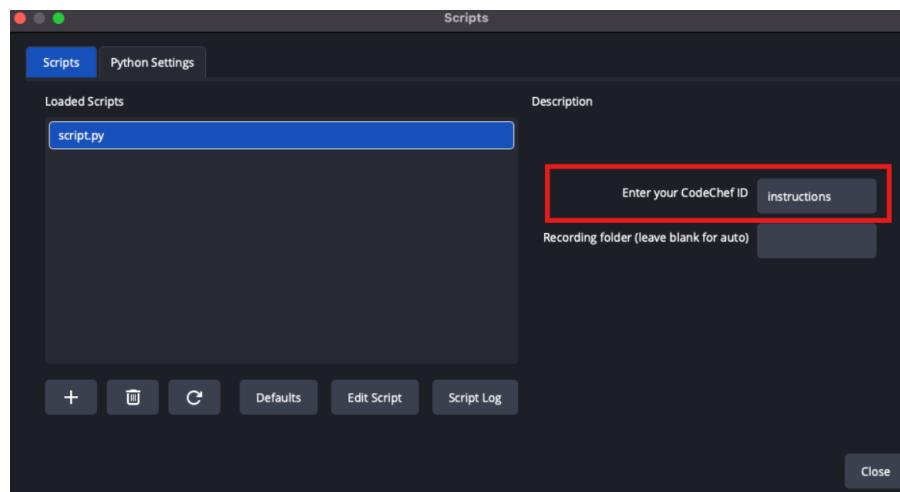
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Enter your CodeChef ID

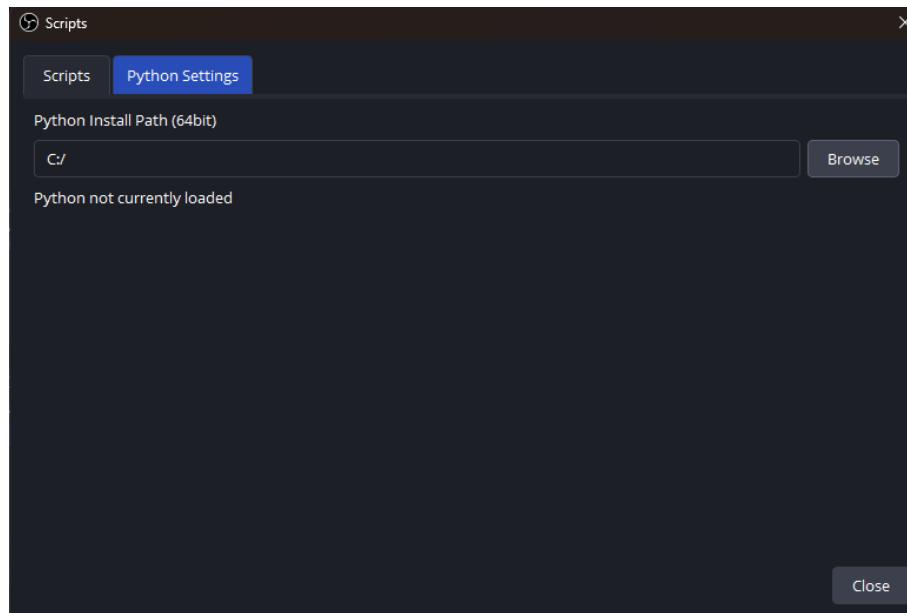


After this, navigate to Python Settings → Select the path where Python bin files are located.

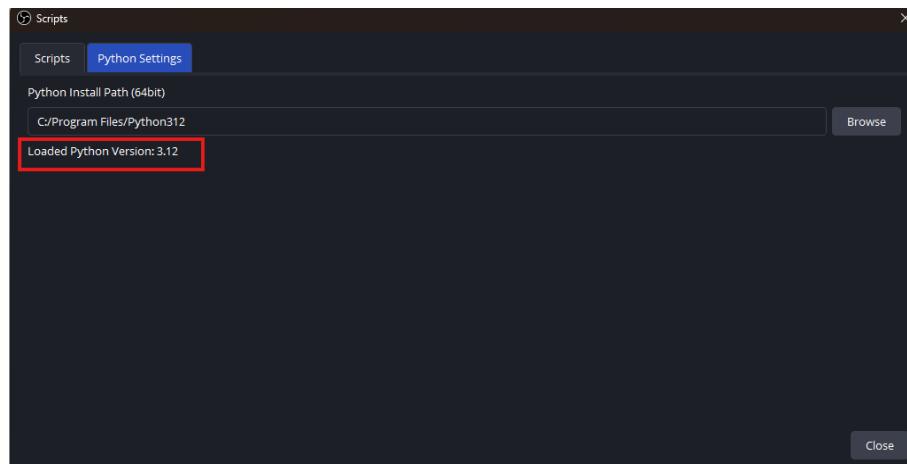


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Restart OBS and ensure you see the "Loaded Python Version 3.12" message.



## 6. OBS Recording Configuration

- Screen Recording

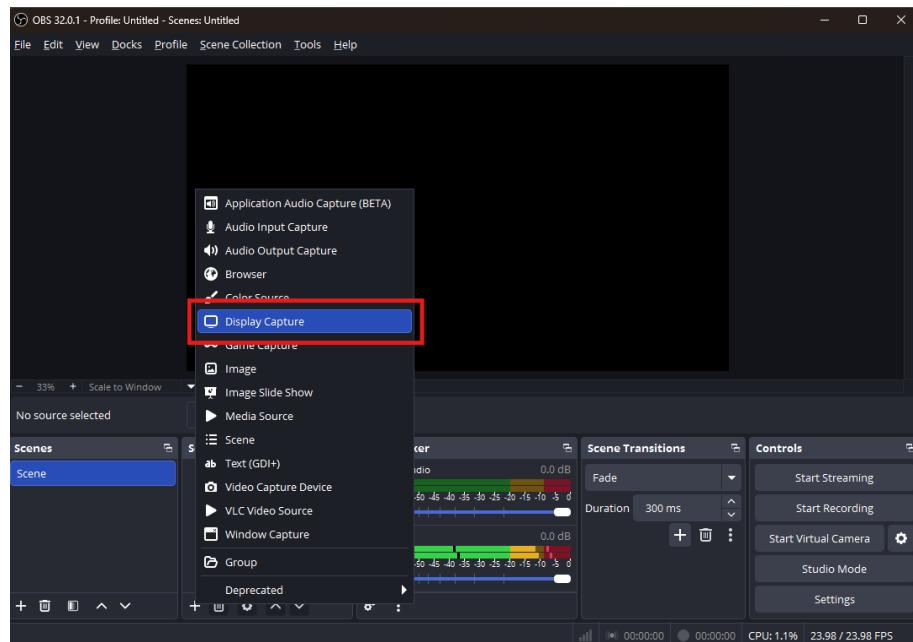
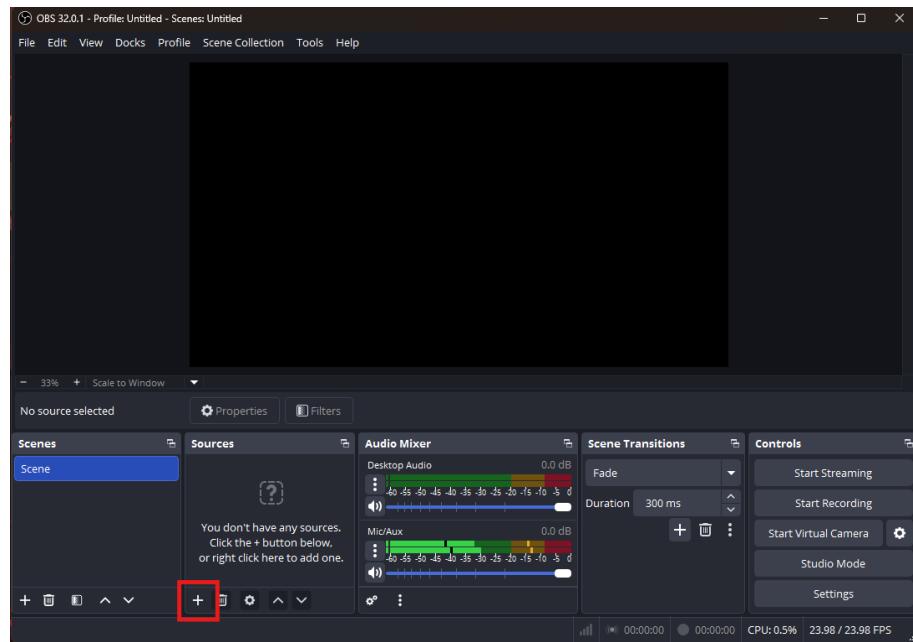


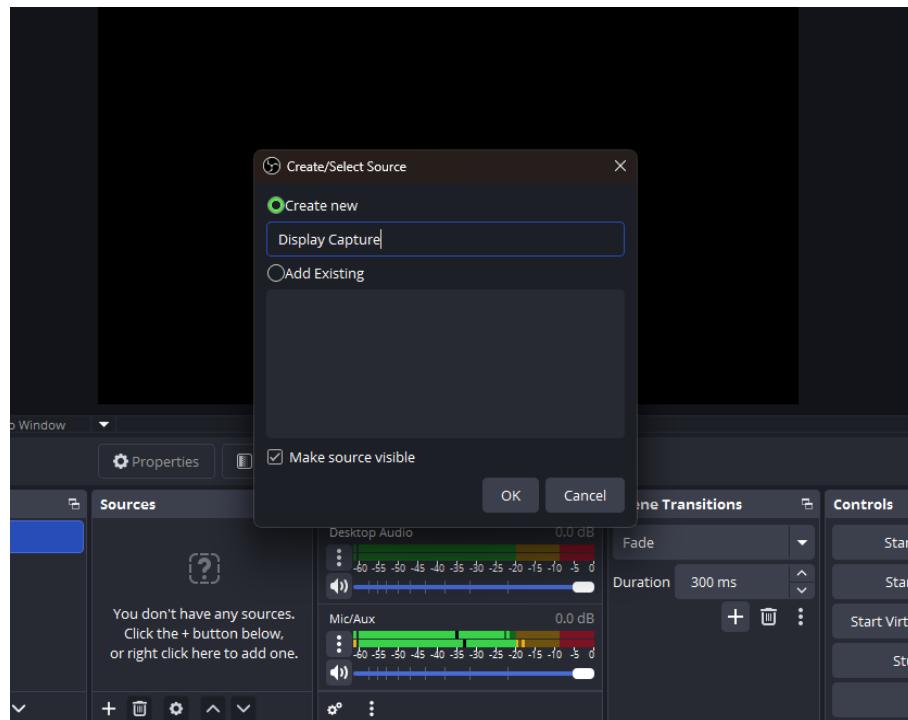
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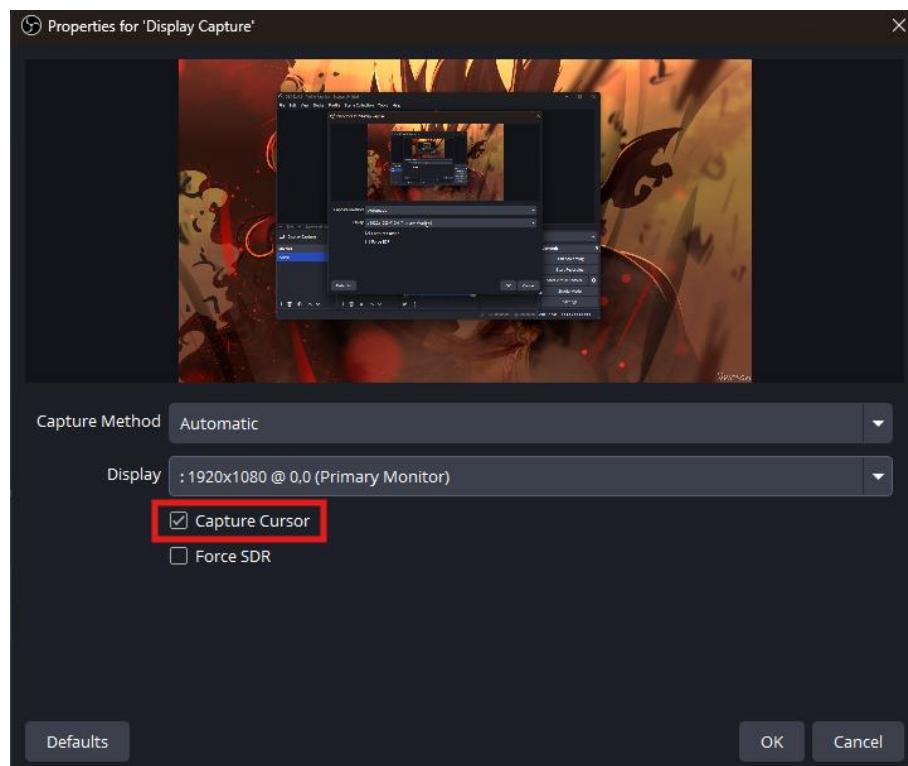
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Select your primary monitor and ensure that Capture Cursor is checked.



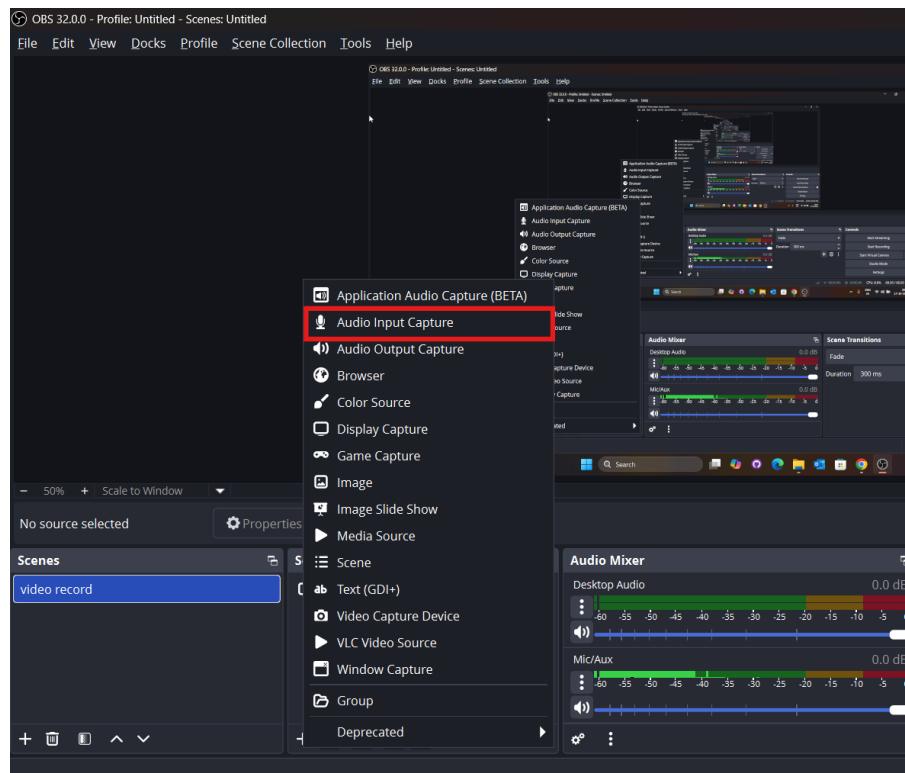
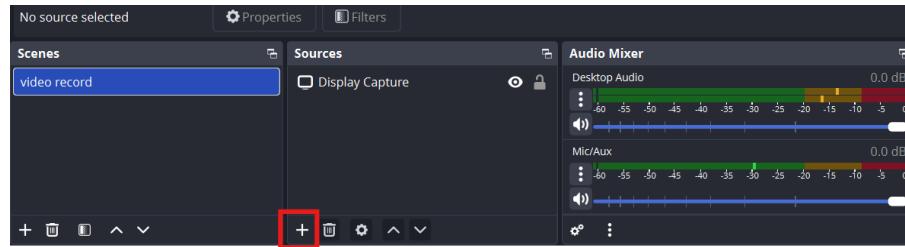
- Audio Capture



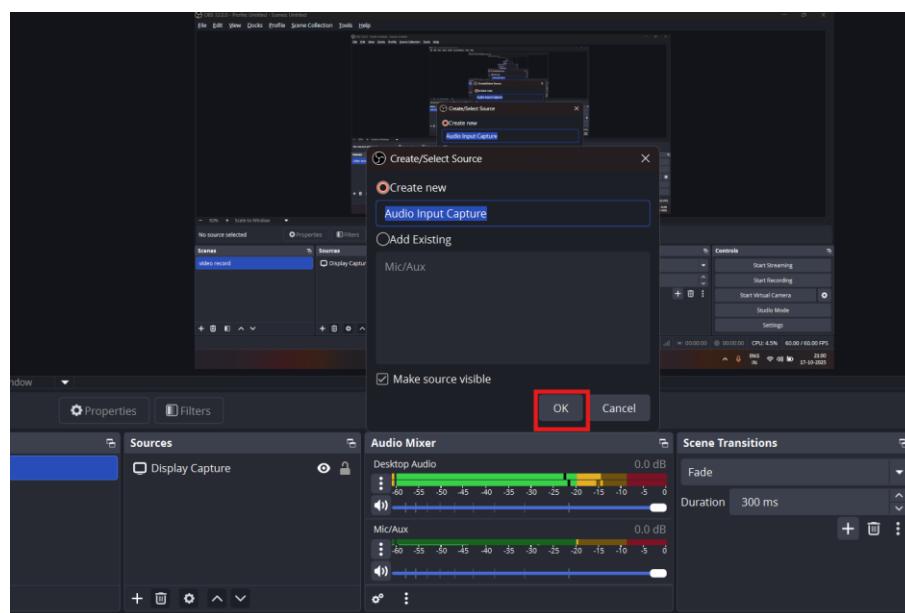
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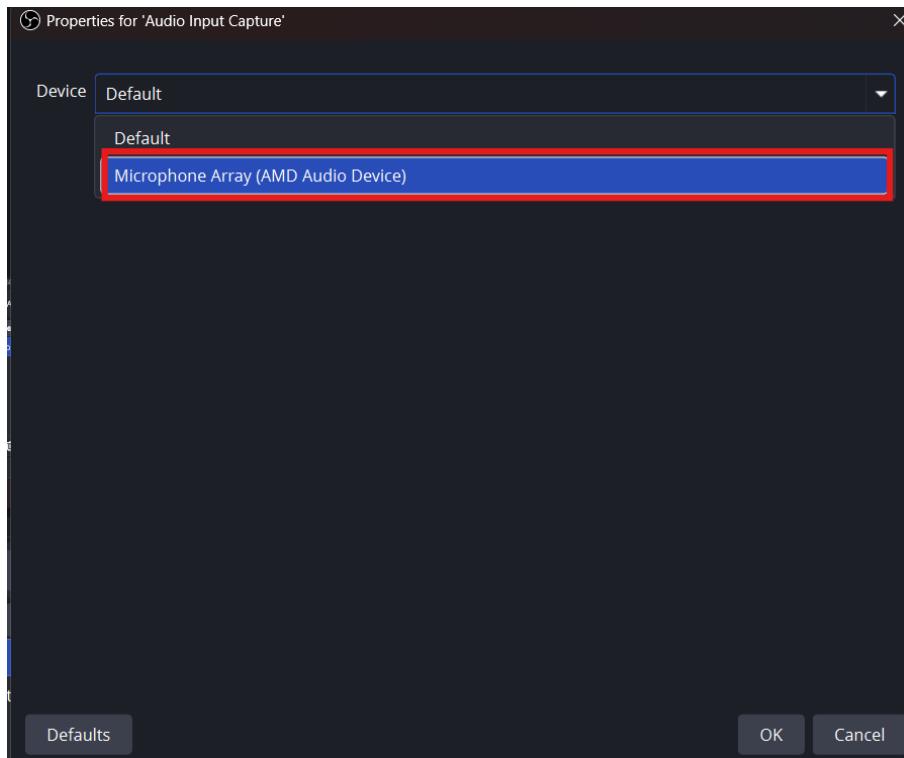
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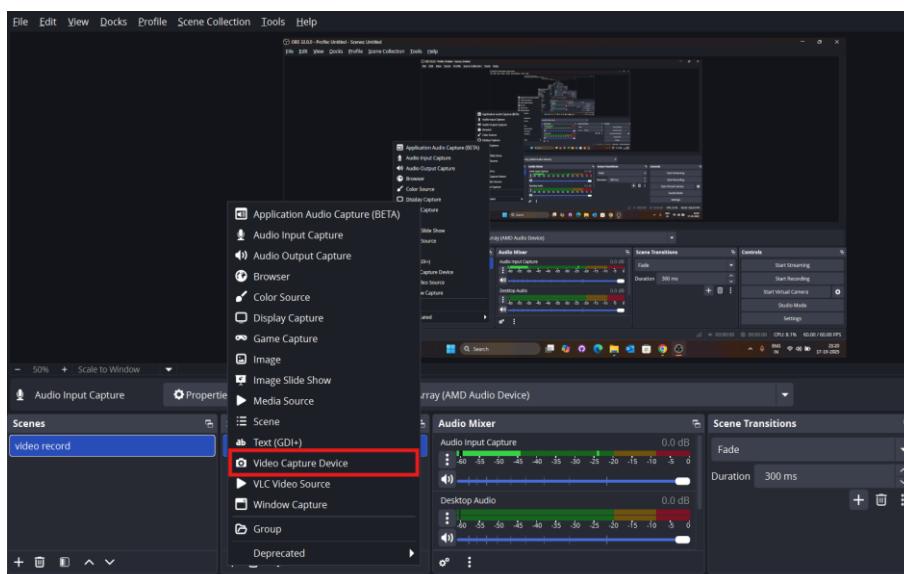
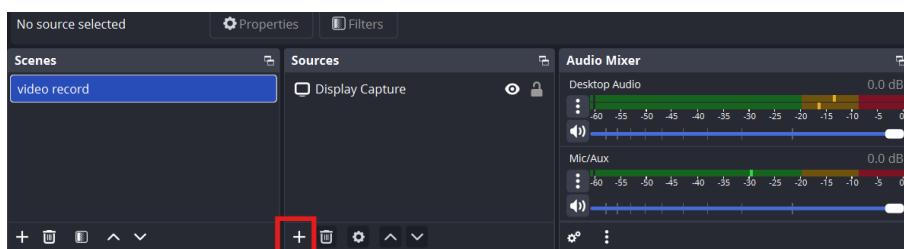
Click on "OK".



Choose Microphone Array and click OK.



- Video Recording



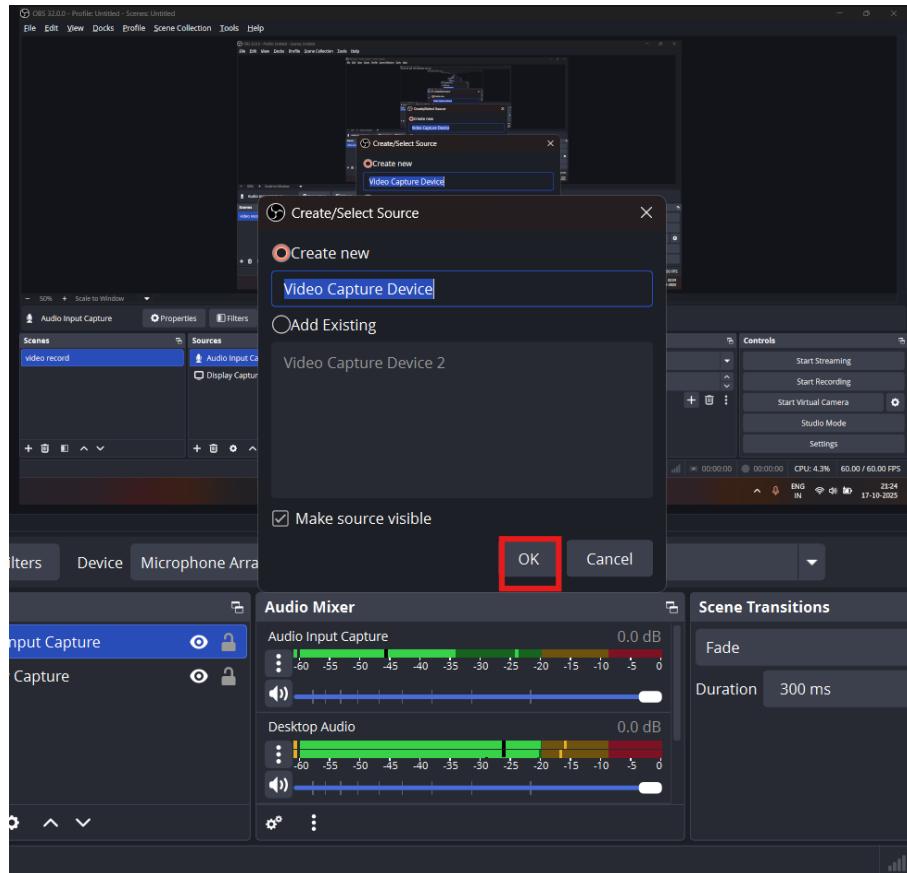


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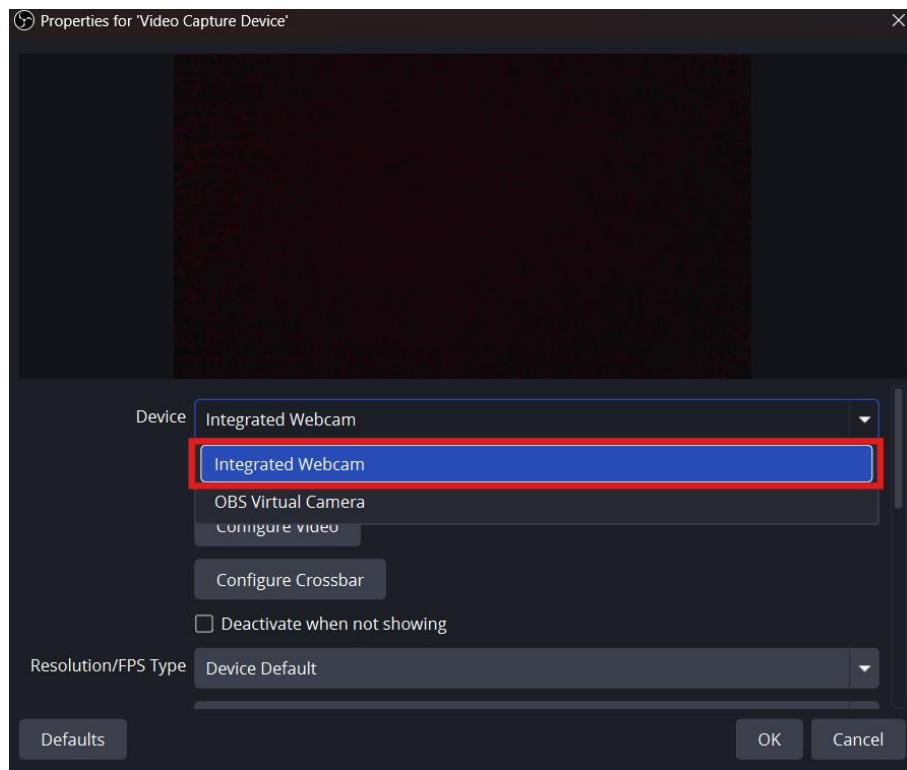
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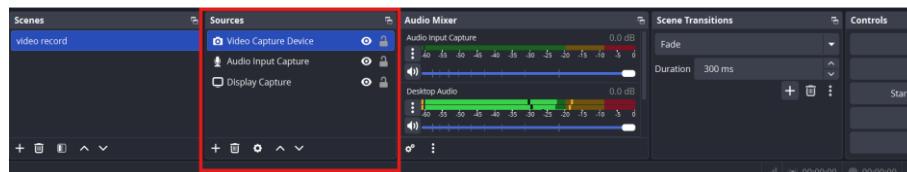
Click on "OK".



Select "Integrated Webcam" and click "OK".

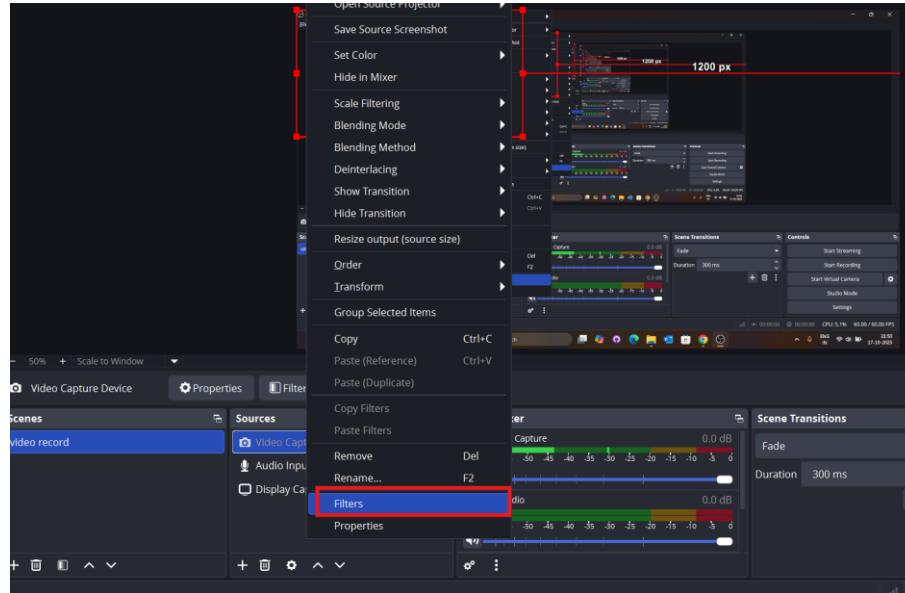


After completing the above three steps, you will see them in the Sources section.



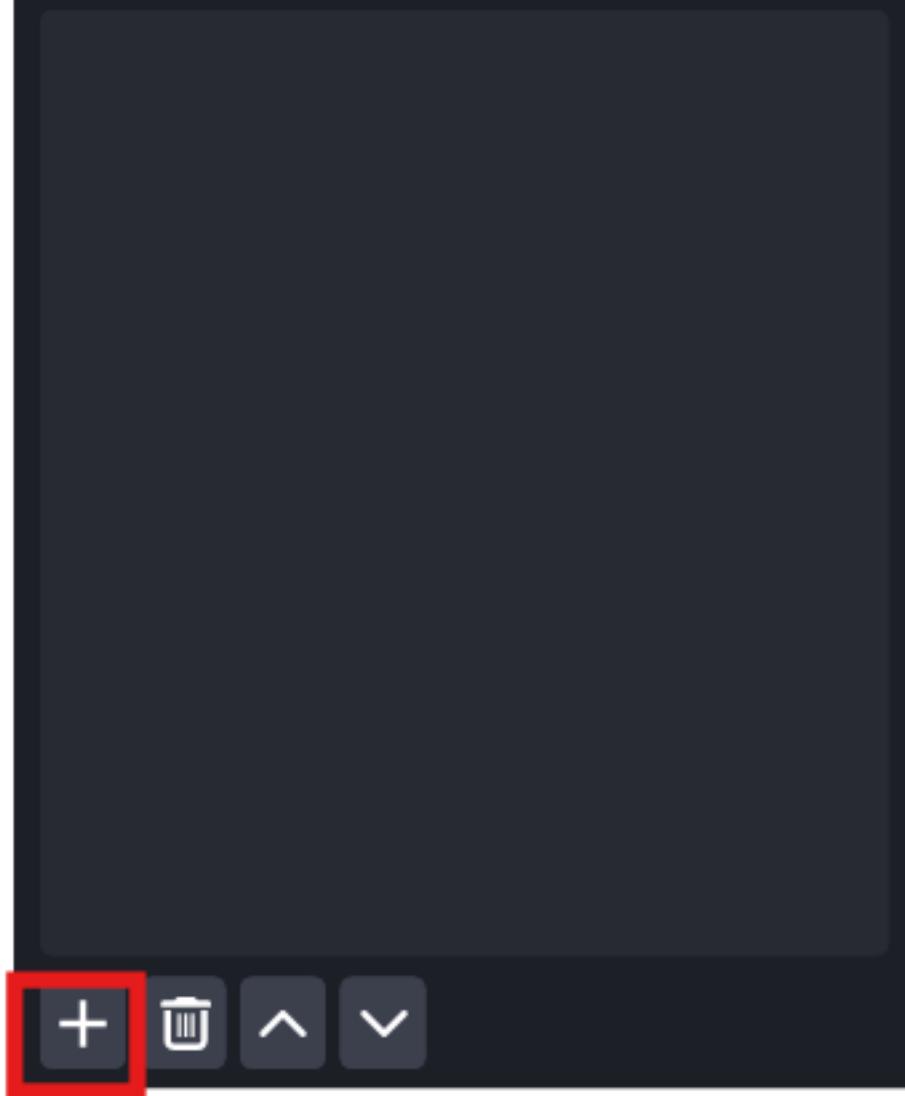
## 7. Source Record Video Recording Configuration

- Right-click on Video Capture Device and select Filters.

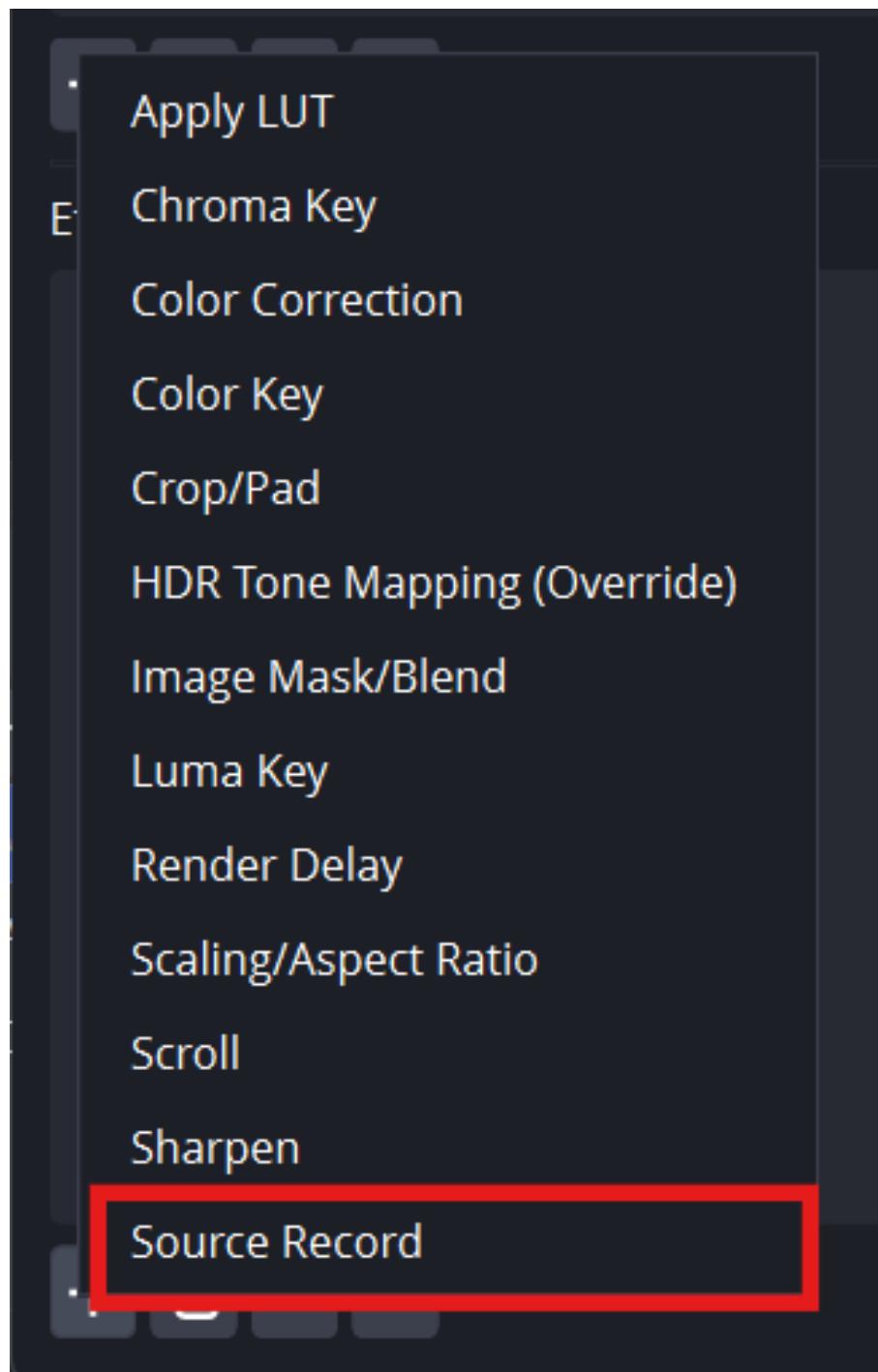


- In the Effect Filters section, click on the + icon.

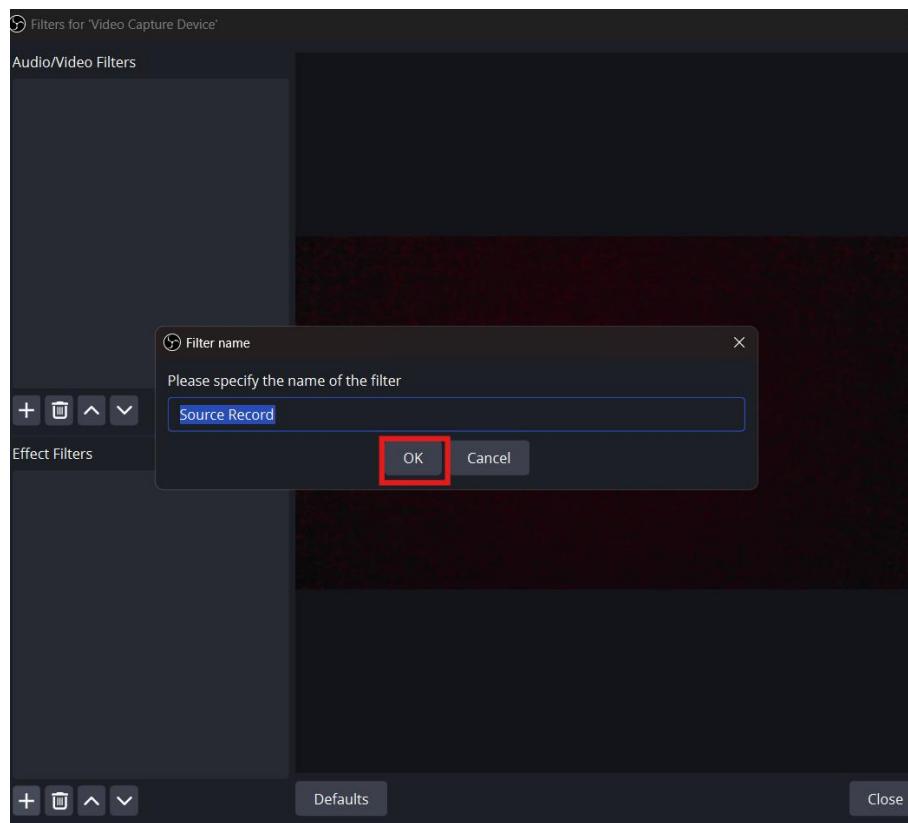
## Effect Filters



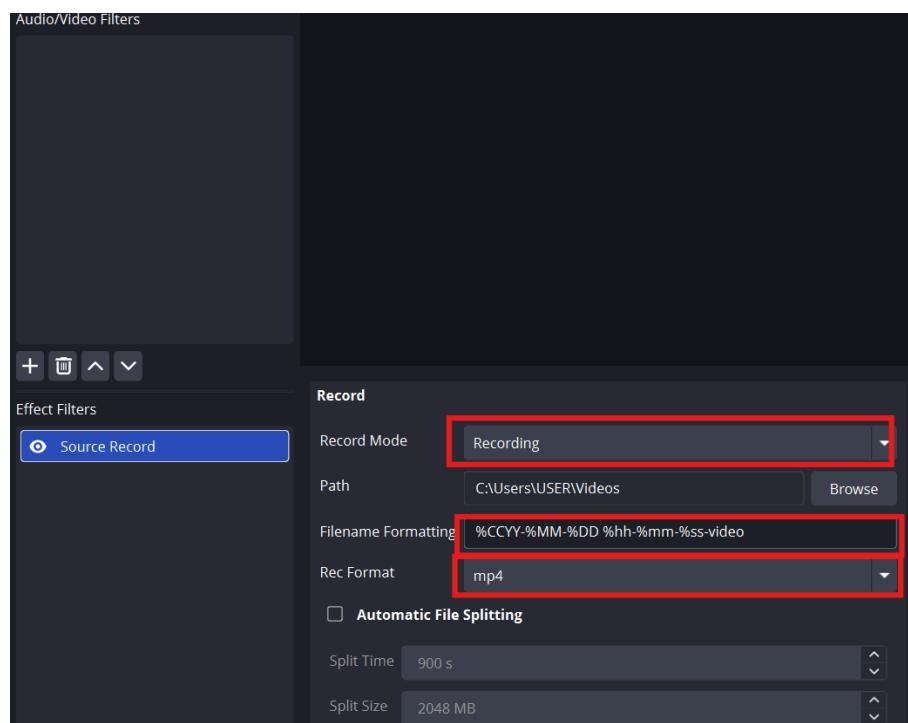
- Select Source Record.



- Click on "OK".



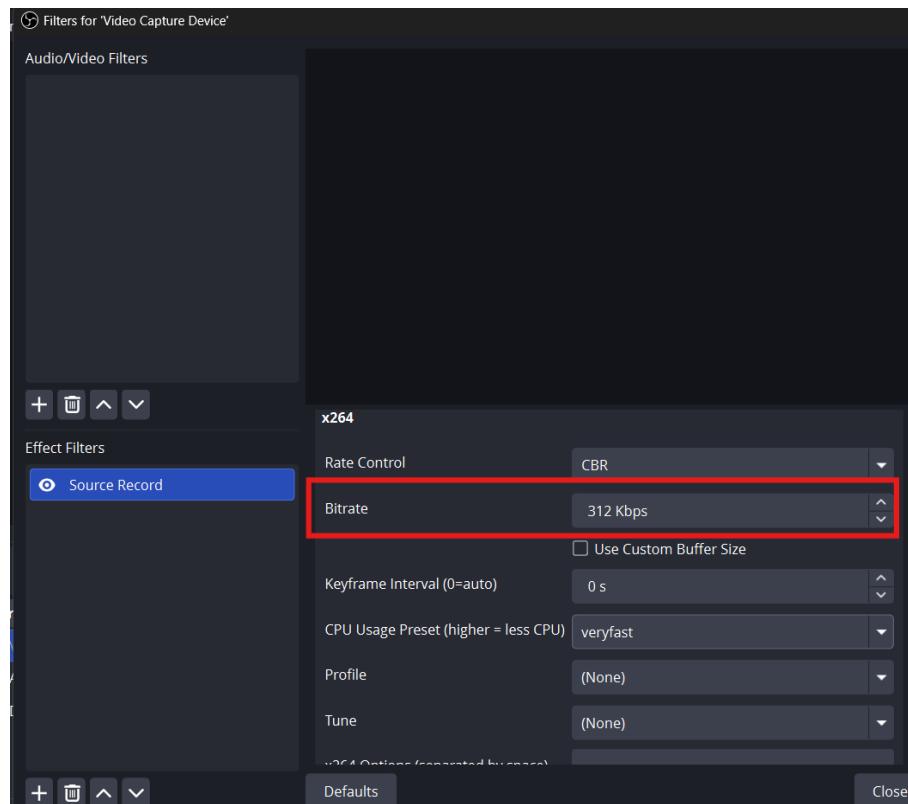
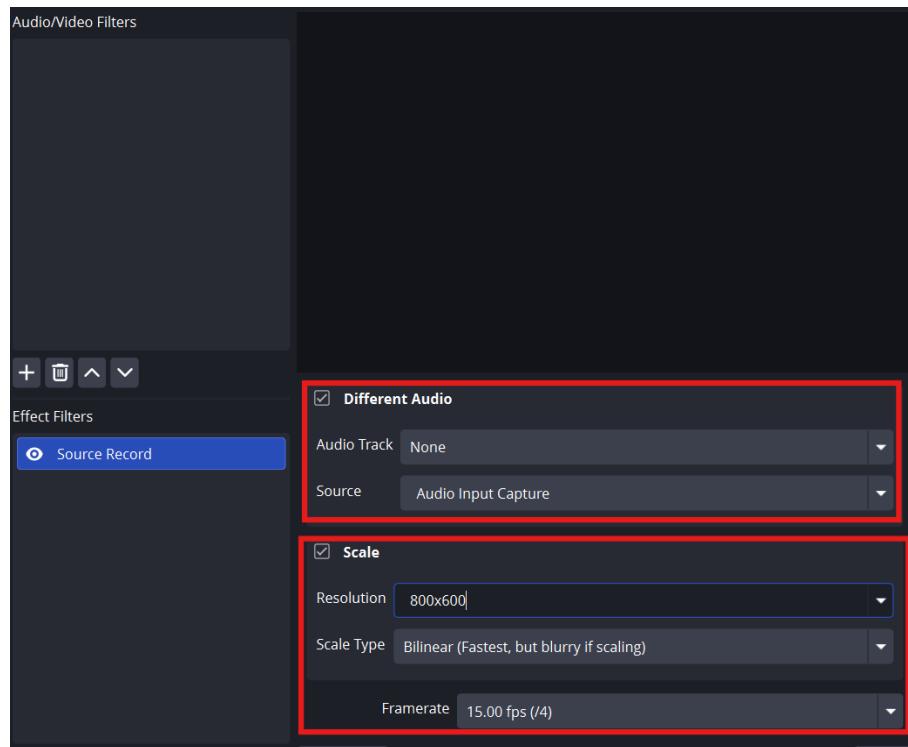
- Double-click Source Record and then copy and configure the following settings carefully:

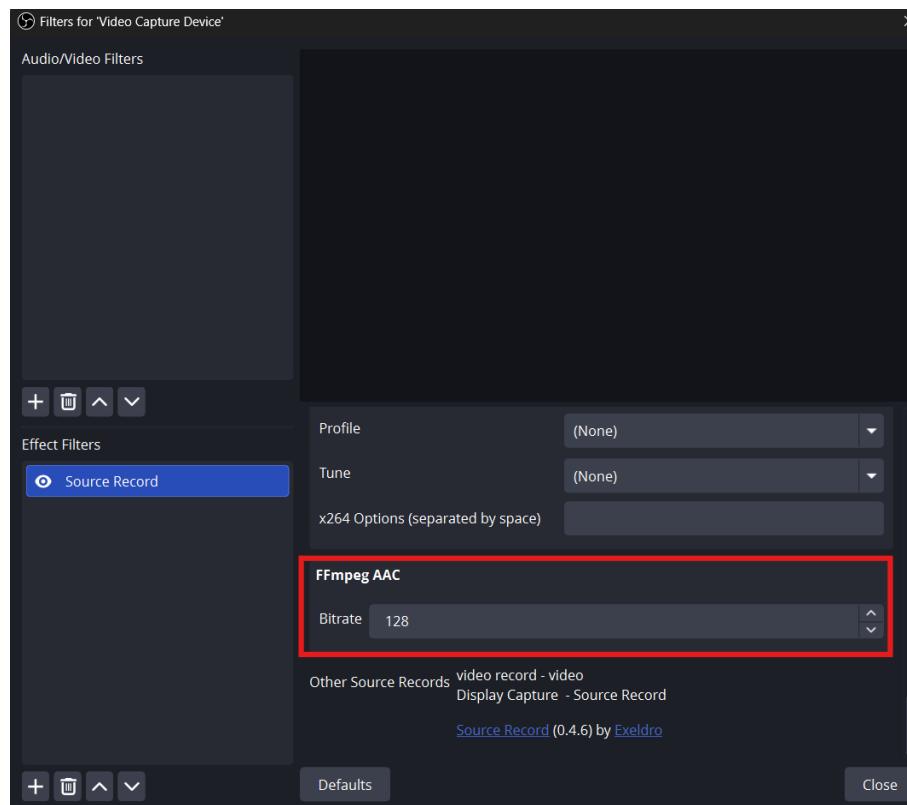




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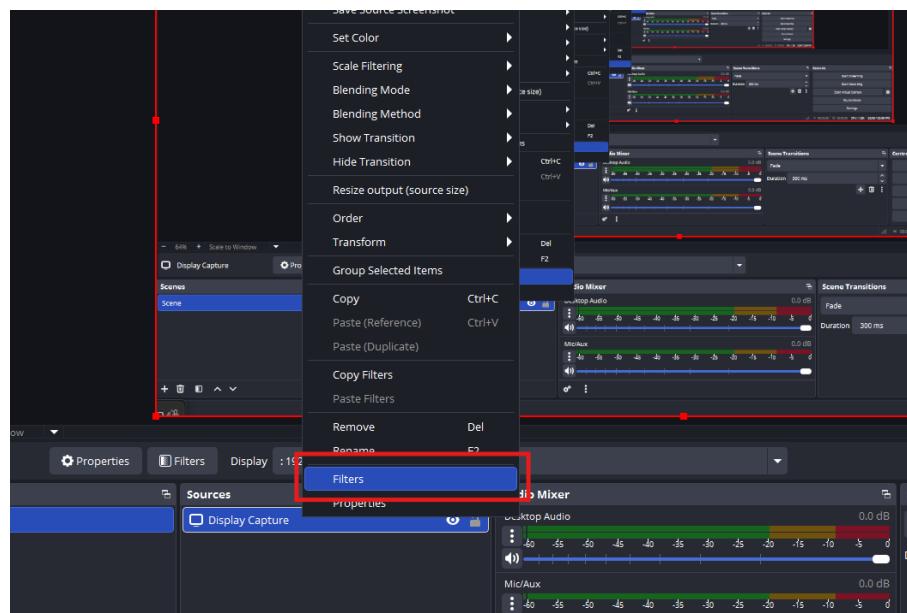
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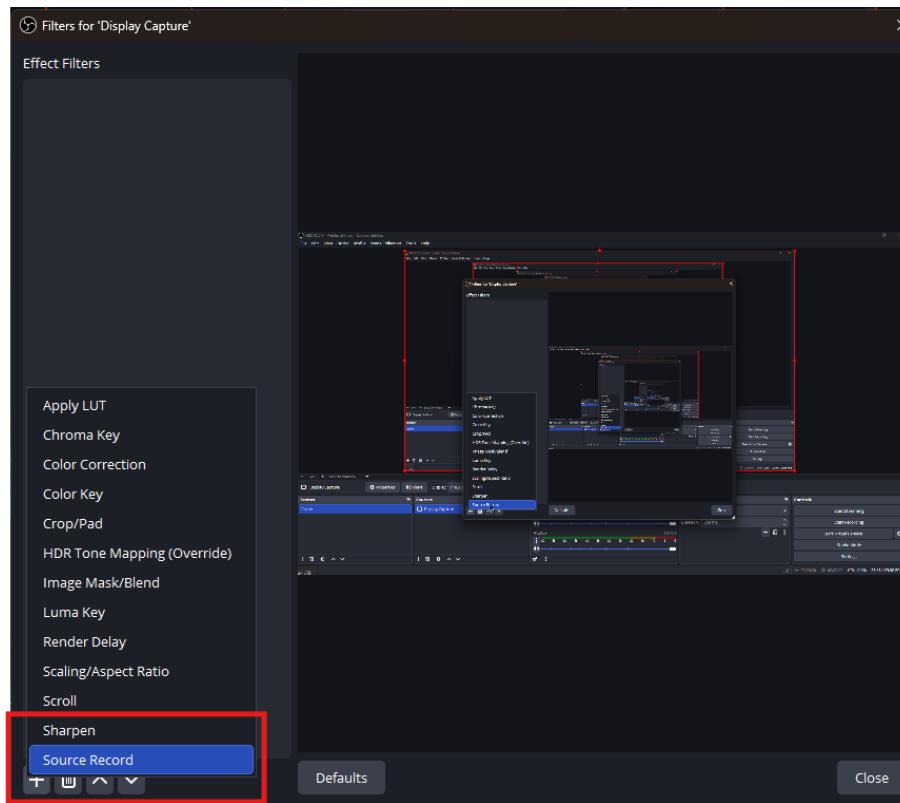


## 8. Source Record Screen Recording Configuration

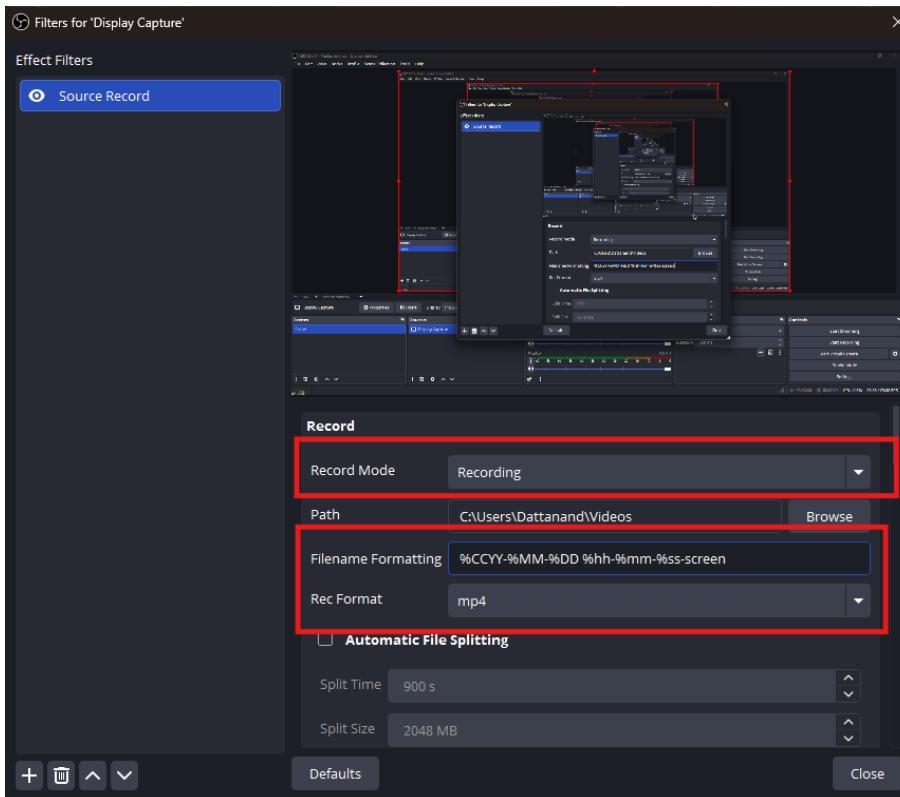
- Right-click on Display Capture and select Filters.

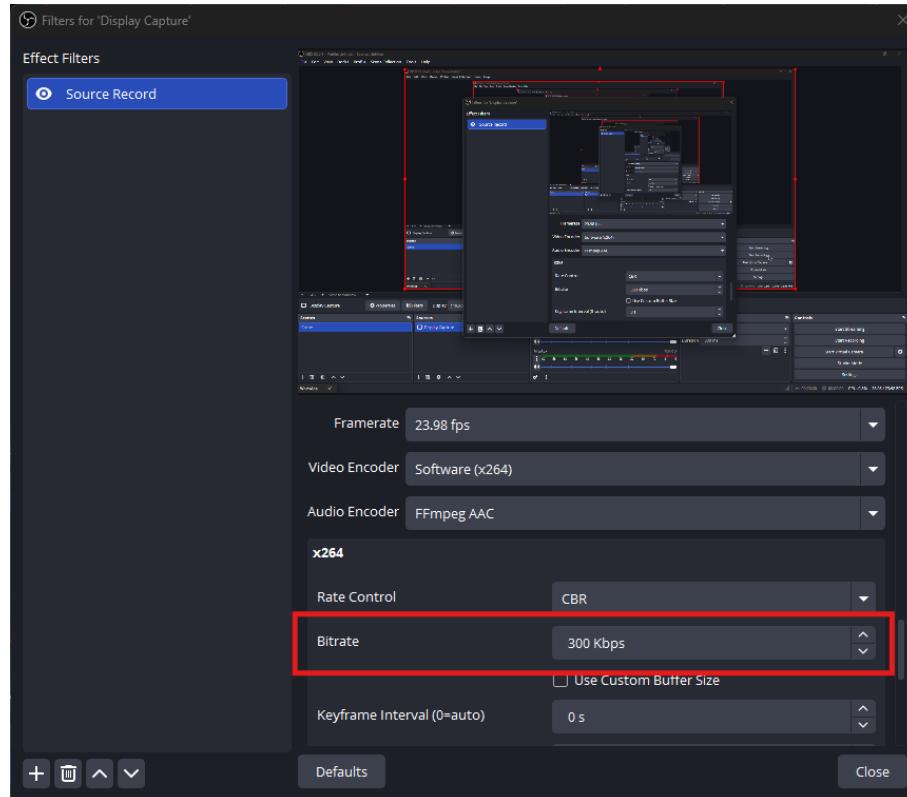
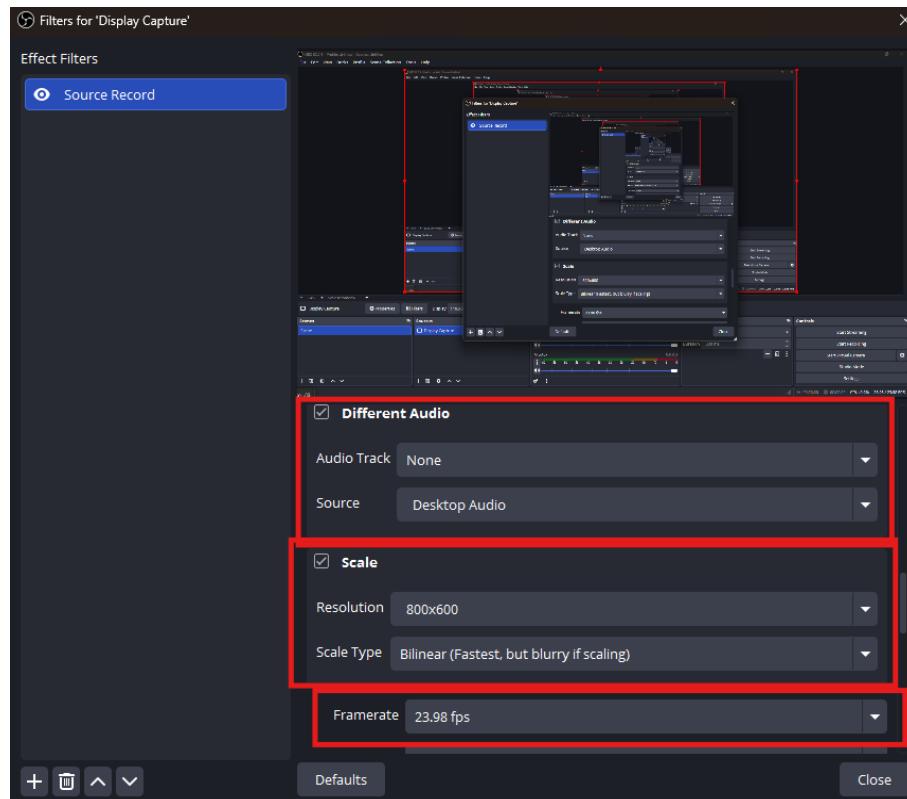


- Click on the + icon and select Source Record.



- Configure the following settings carefully:

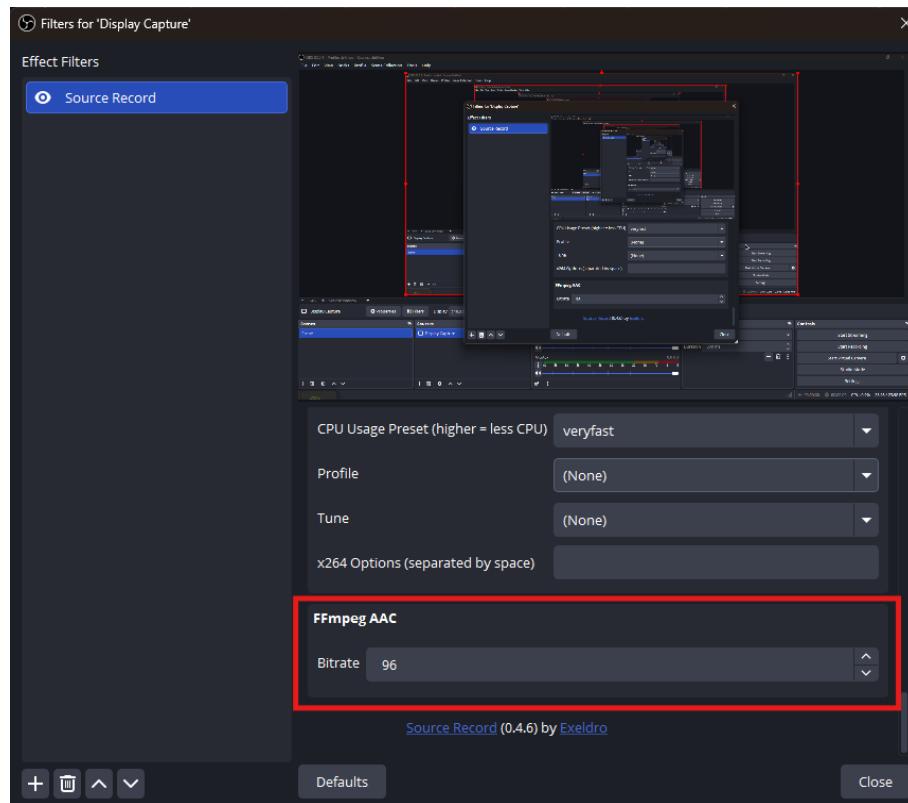






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## Setup Guide for macOS

### 1. Install OBS Studio

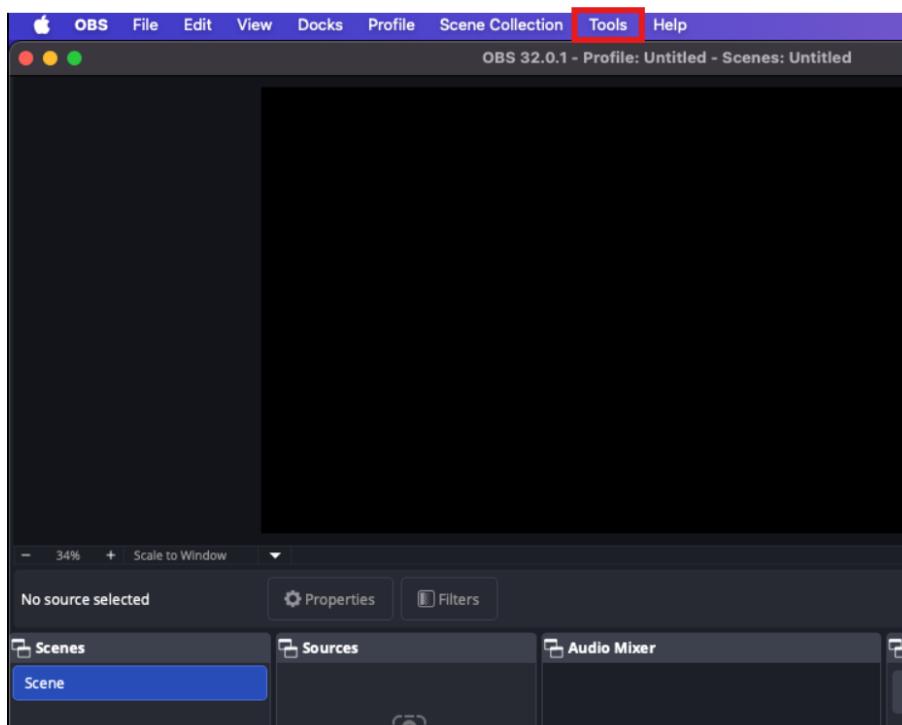
- Download and install OBS Studio (Open Broadcaster Software). [Click Here](#) to download OBS for macOS.
- Follow the on-screen instructions to complete the installation.

### 2. Install Python 3.12

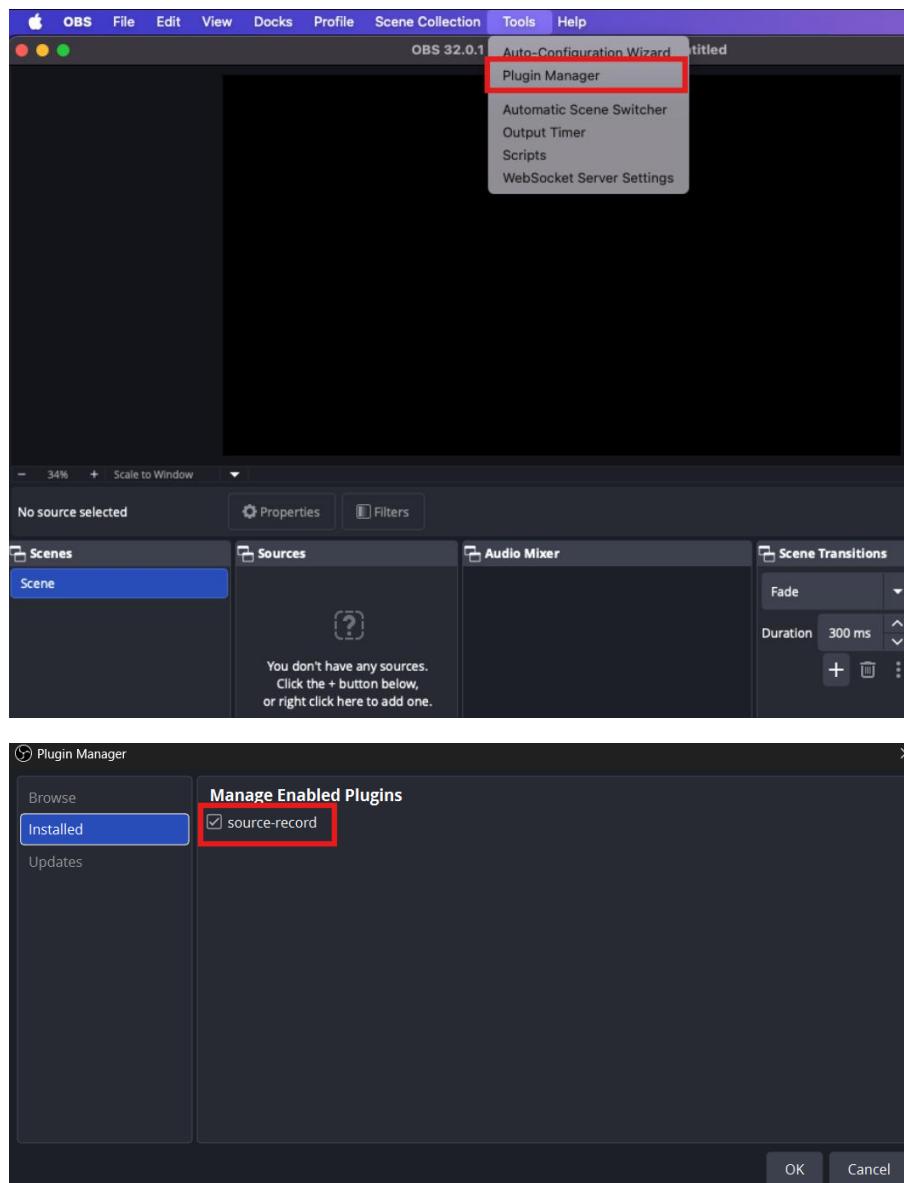
- Visit the official [Python](#) website and download Python 3.12.0.
- Follow the on-screen instructions to complete the installation.

### 3. Install Source Record Plugin (for Dual Recording)

- Download the Source Record plugin for OBS. [Click Here](#).
- Run the downloaded file.
- The installer will automatically configure the plugin with OBS. No manual configuration is required.
- In OBS, navigate to Tools → Plugin Manager. Locate Source Record in the list and enable it by checking the checkbox.



- Restart OBS after enabling Source Record from Manage Enabled Plugins.



#### 4. Install Required Python Package

- Open Terminal or iTerm.
- Run the following command: pip install requests

This installs the requests package required for the proctoring scripts.

#### 5. Configure OBS Scripts

- A `script.py` file will be made available for download on the website (please keep checking <https://indiacpc.in/> and your respective regional sites for updates). This file will need to be configured within OBS.



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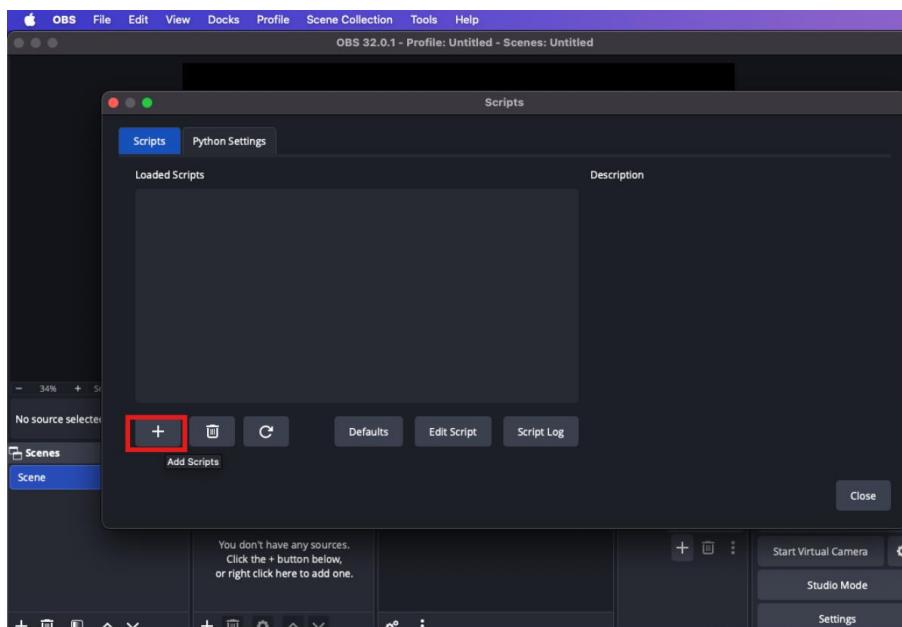
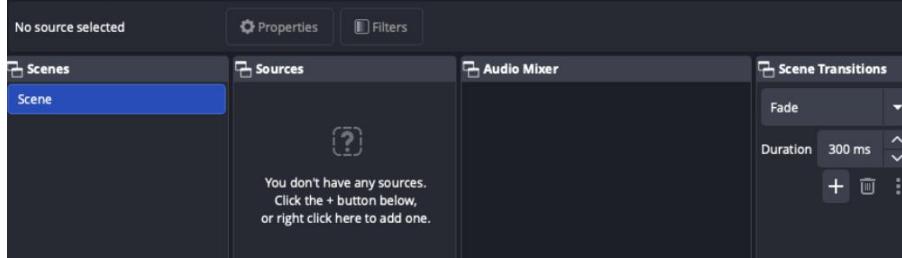
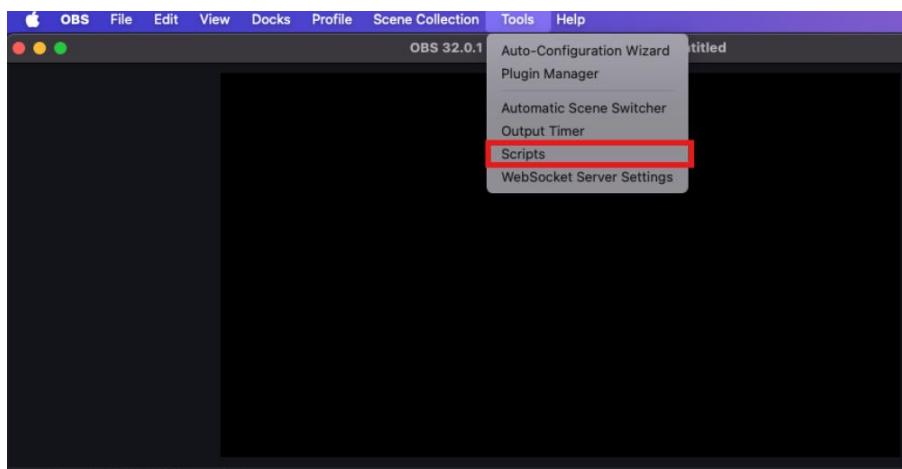
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### Instructions:

- Go to Tools → Scripts → Click on the + icon → Select the script.py file.

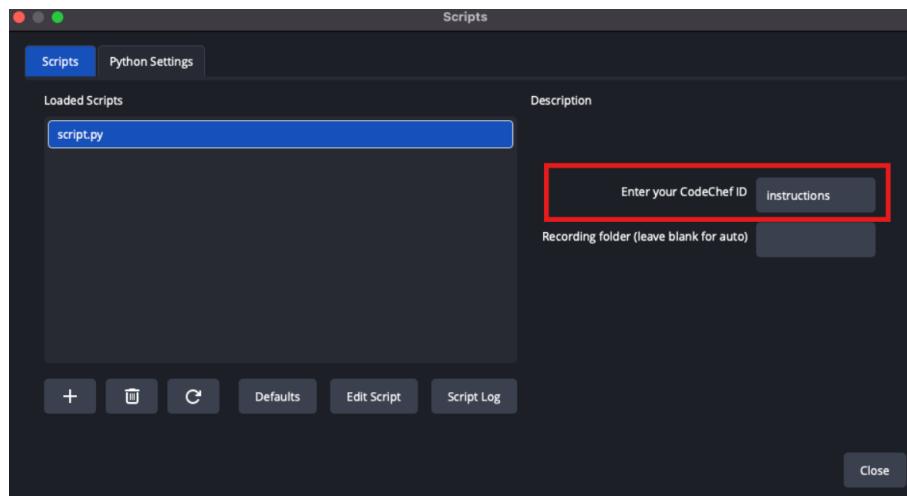


Enter your CodeChef ID

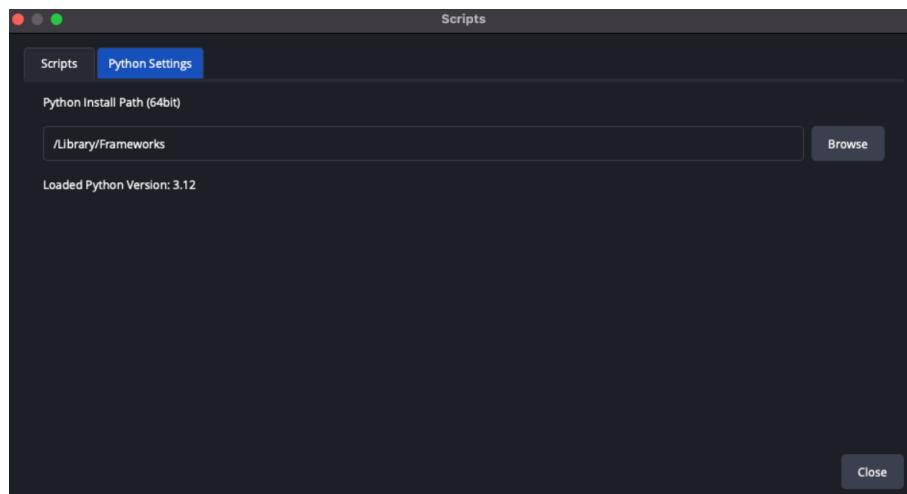


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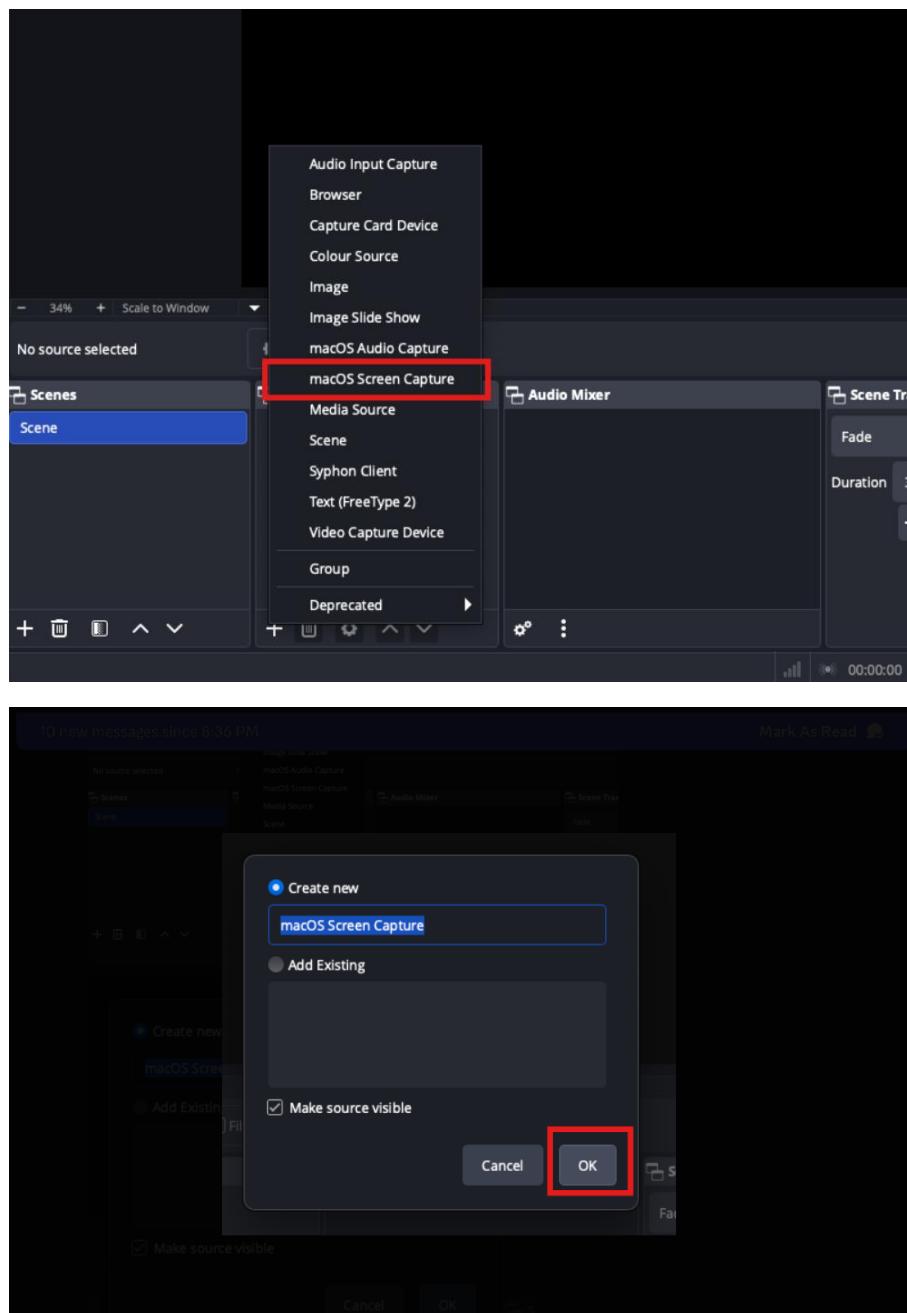
After this, navigate to Python Settings → Select the path where Python bin files are located.



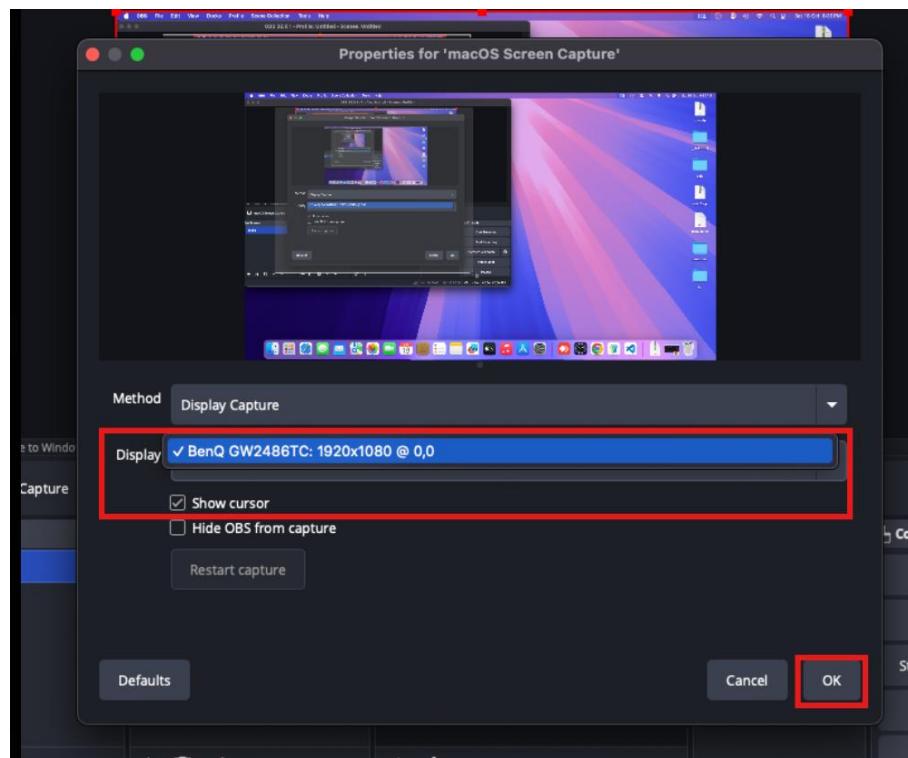
Restart OBS and ensure you see the "Loaded Python Version 3.12" message.

## 6. OBS Configuration

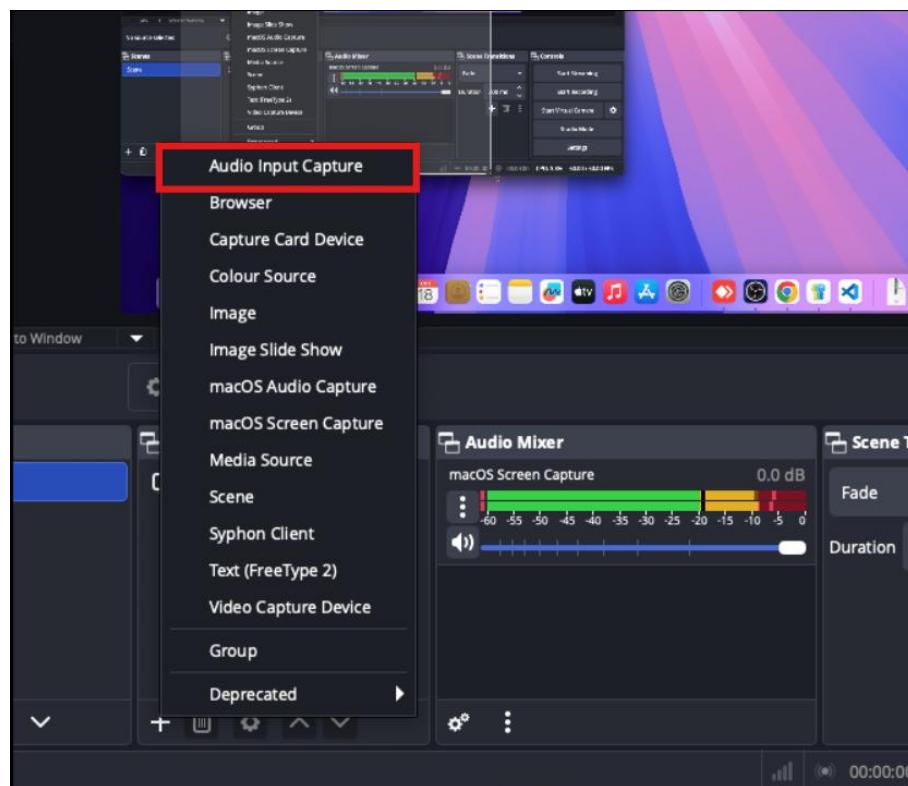
- Screen Recording/Capture

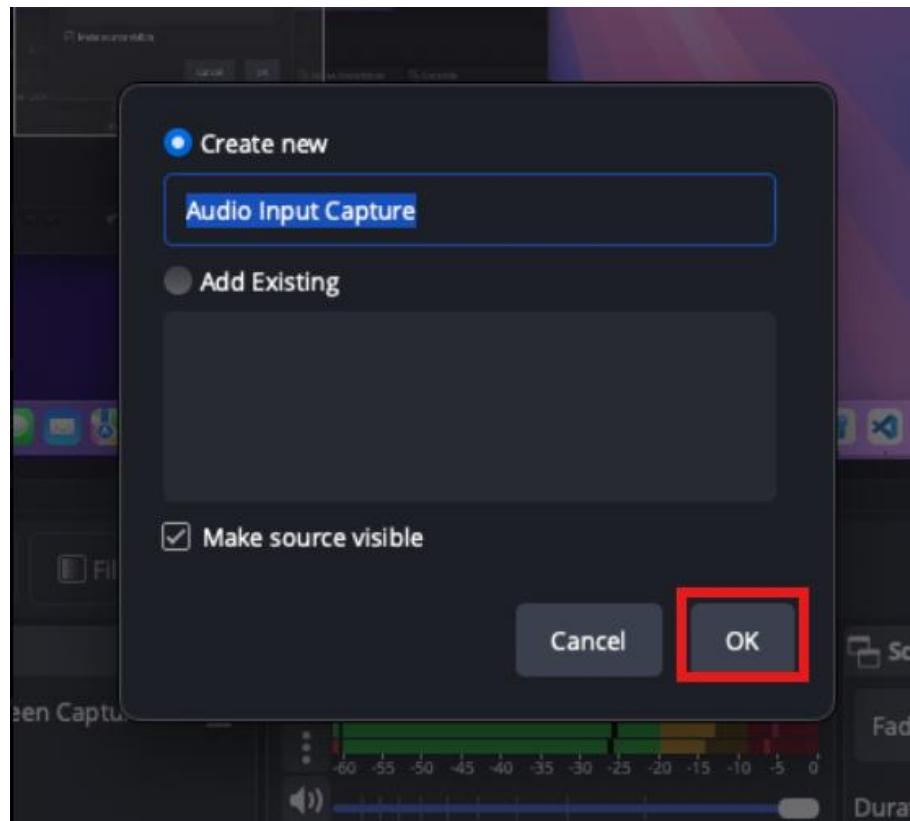


Select your display and ensure that the “Show cursor” is checked.

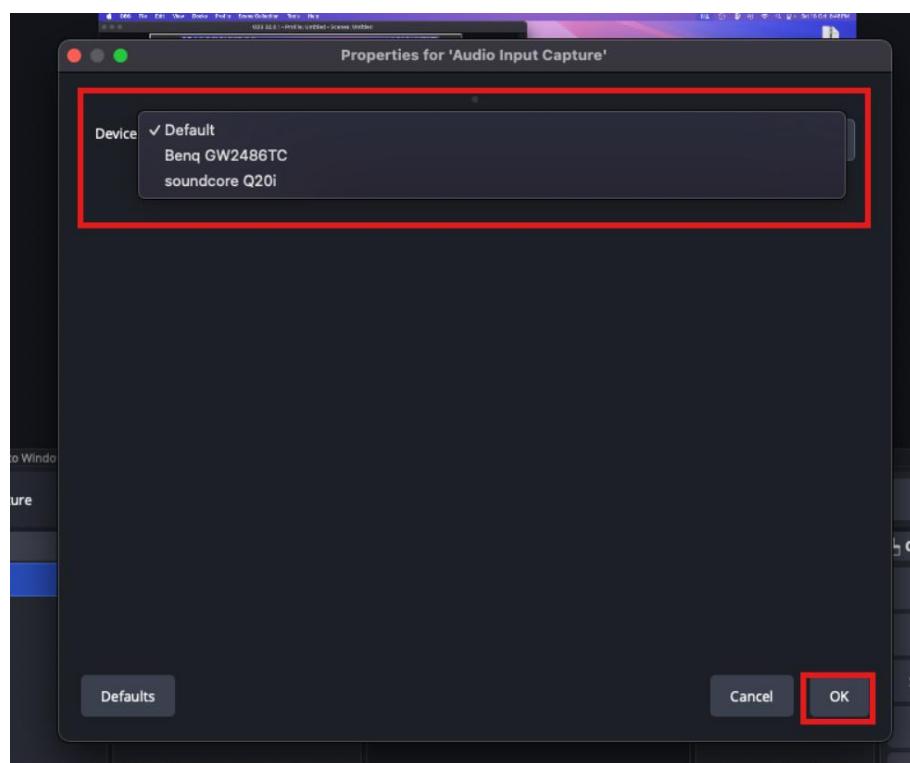


- Audio Capture

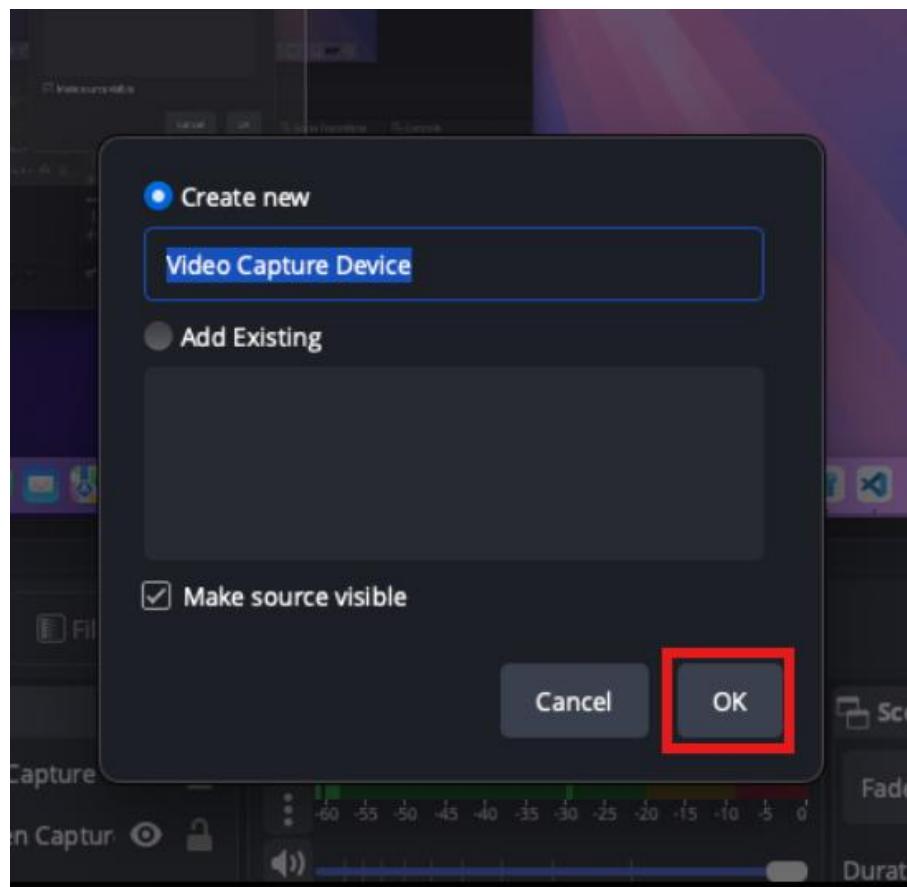
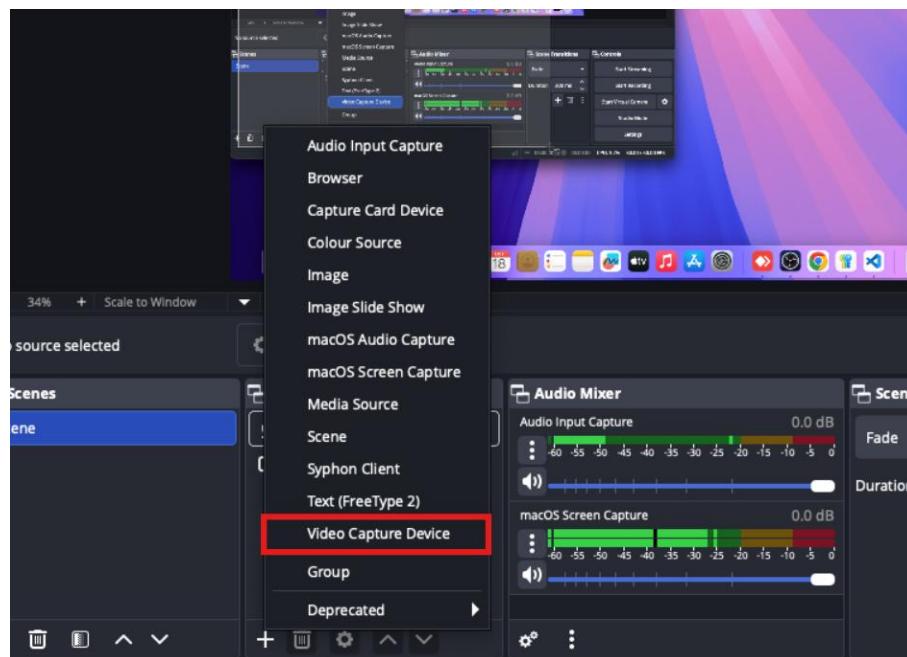




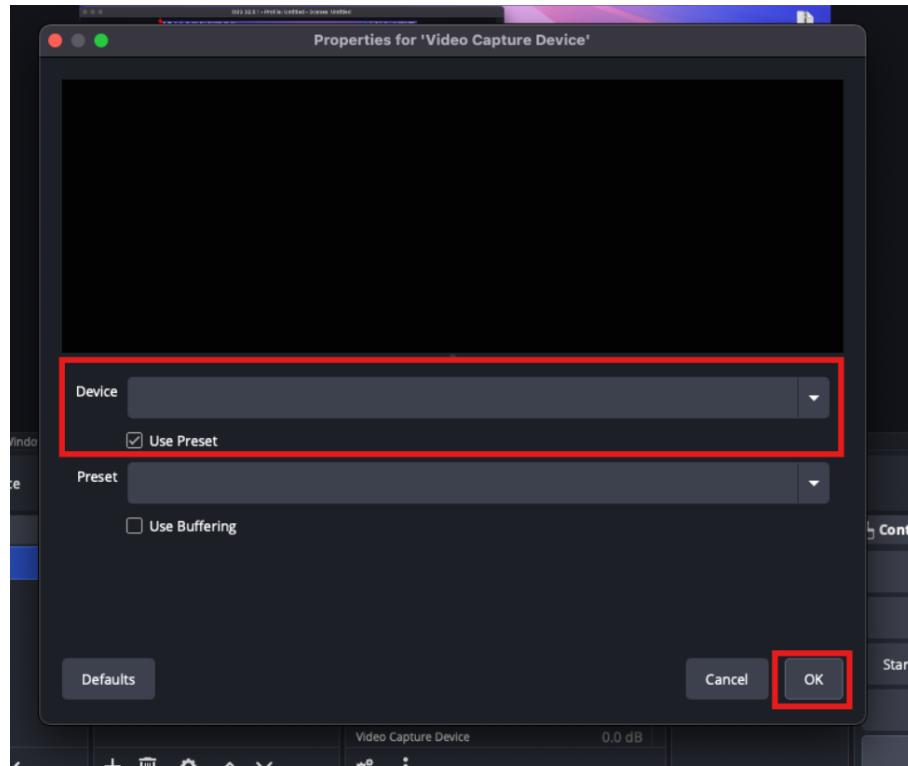
Add your input audio device.



- Video Capture

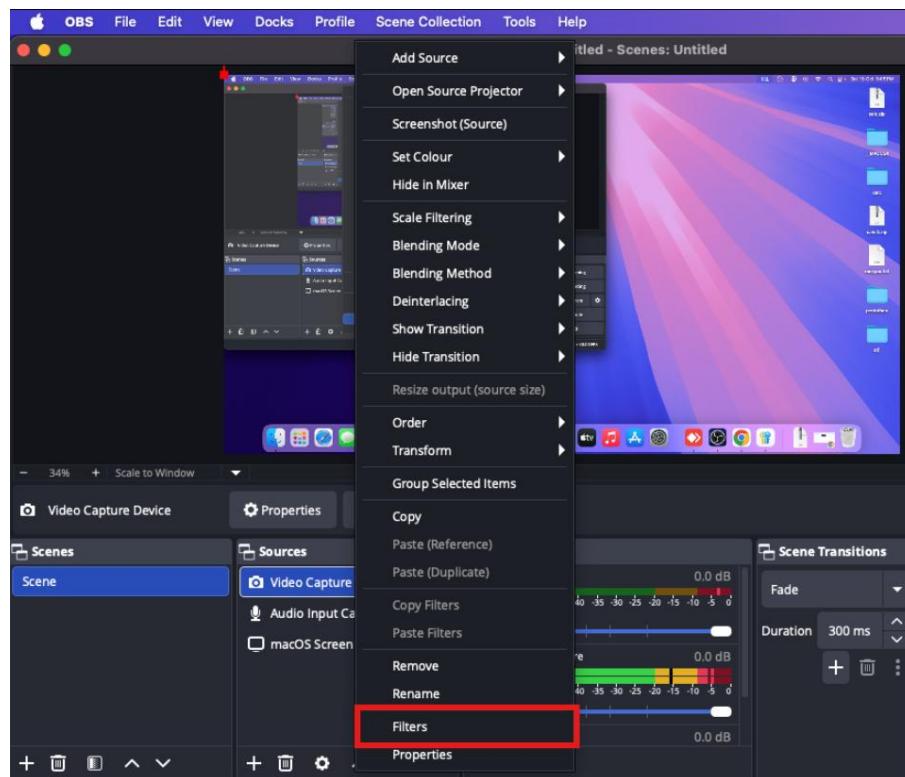


Choose your webcam.

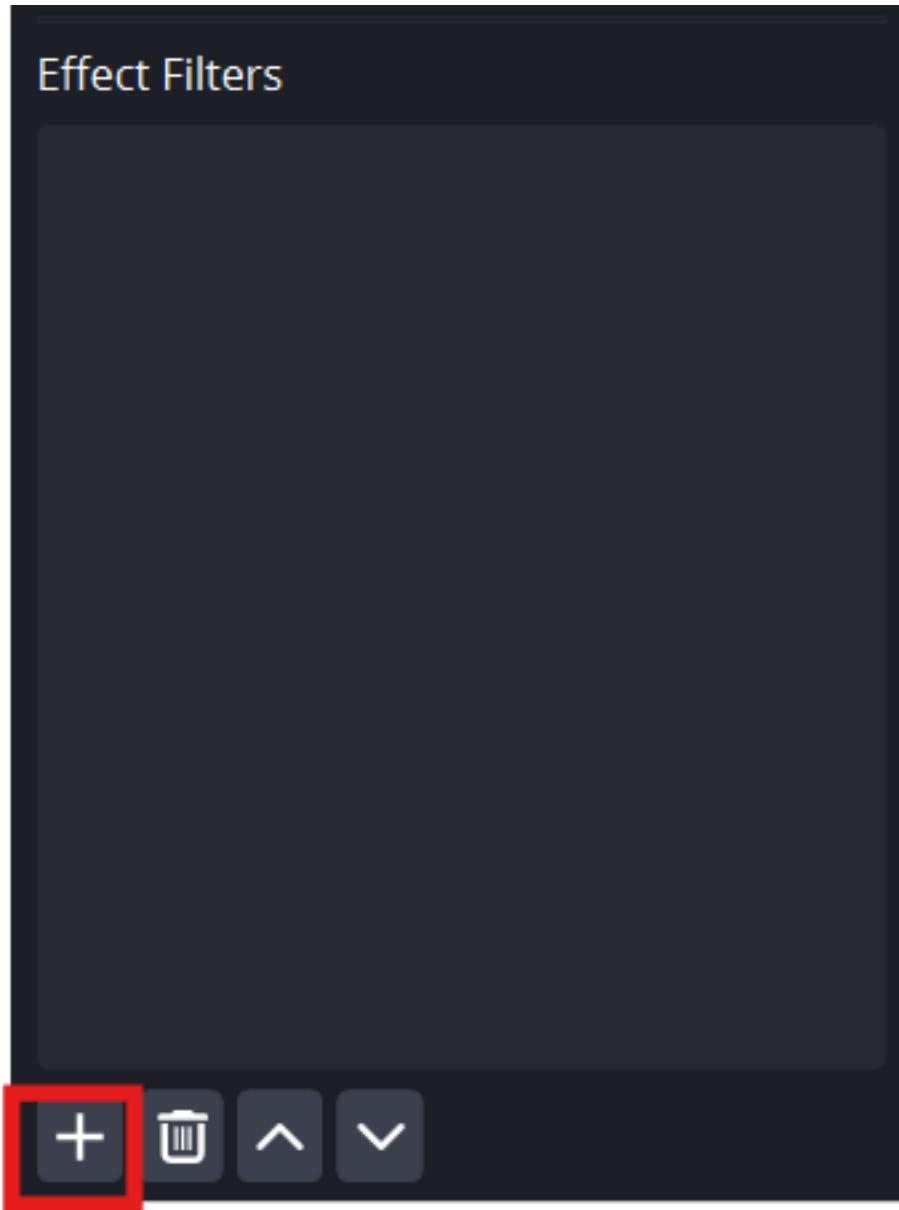


## 7. Source Record Video Recording Configuration

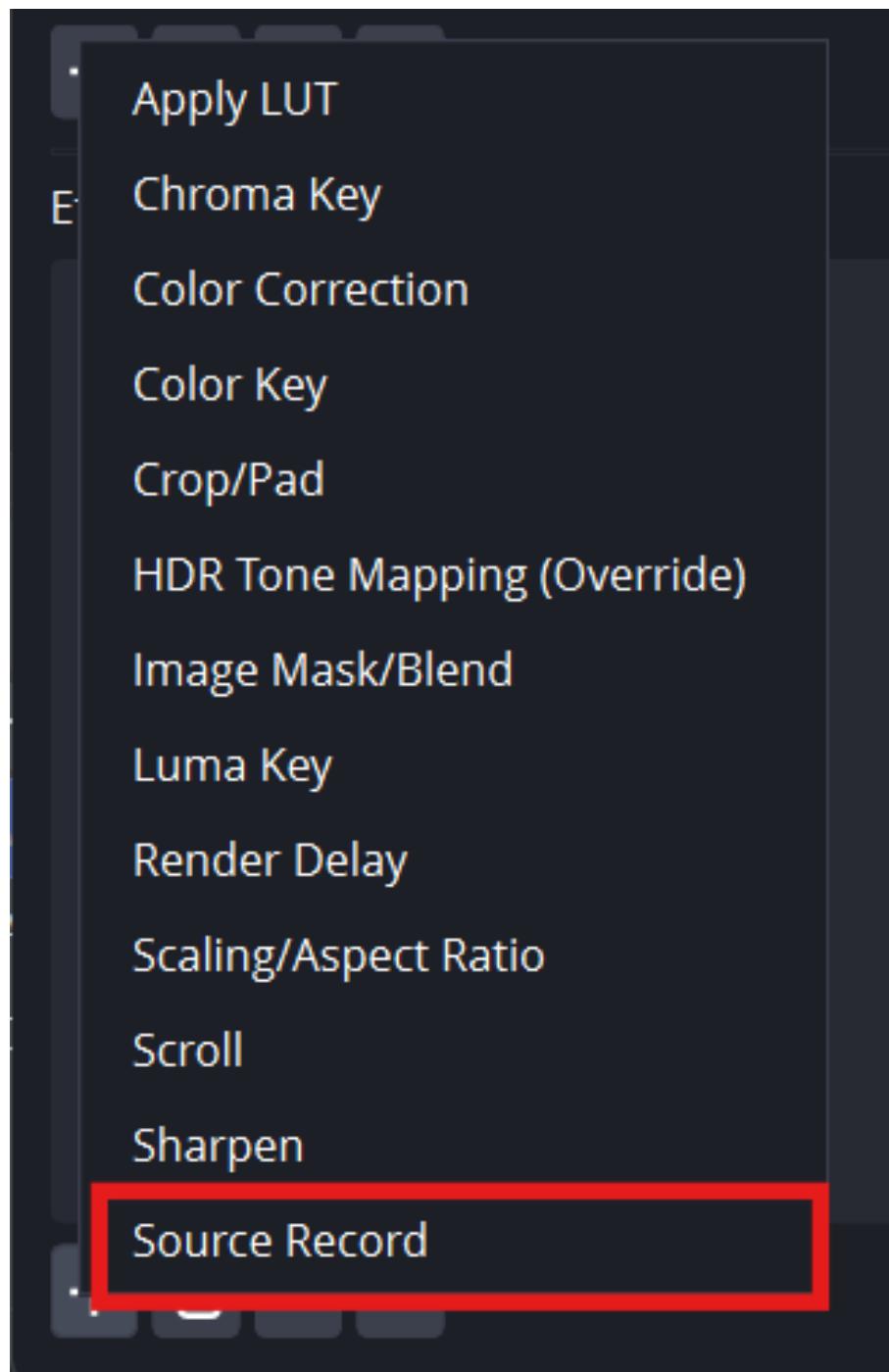
- Right-click on Video Capture Device and select Filters.



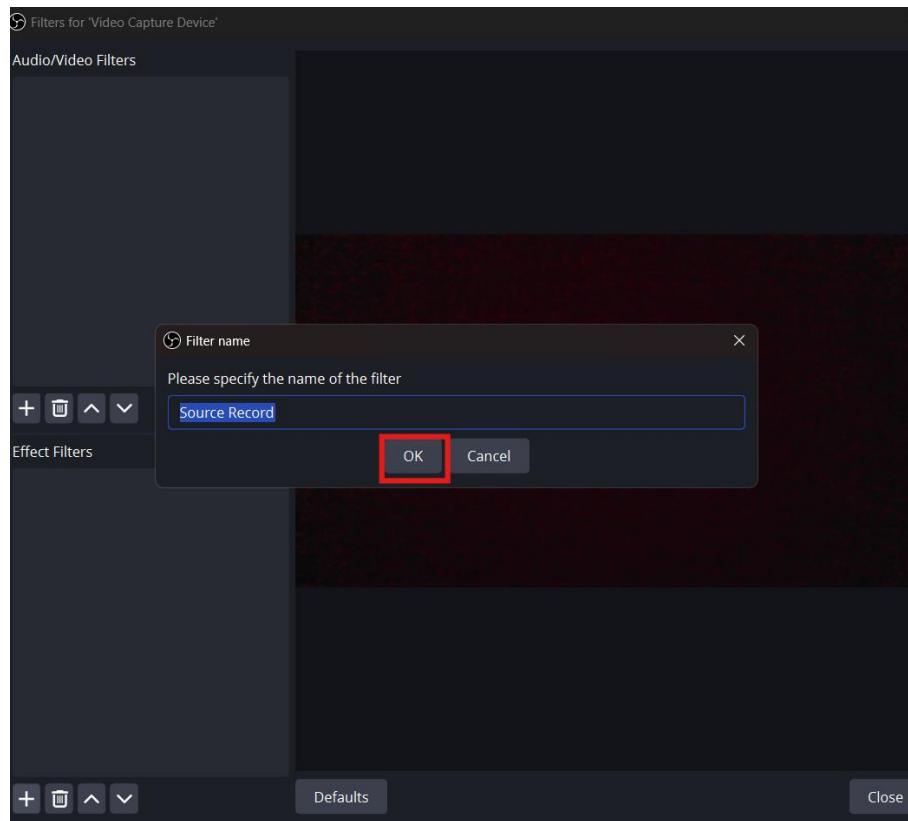
- In the Effect Filters section, click on the + icon.



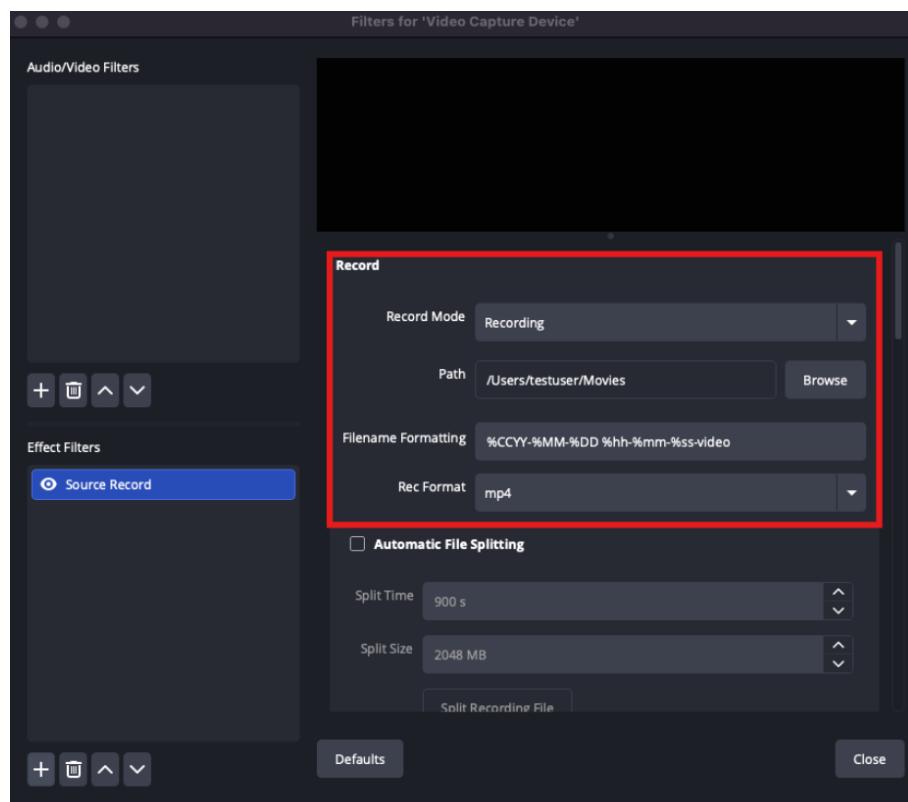
- Select Source Record.

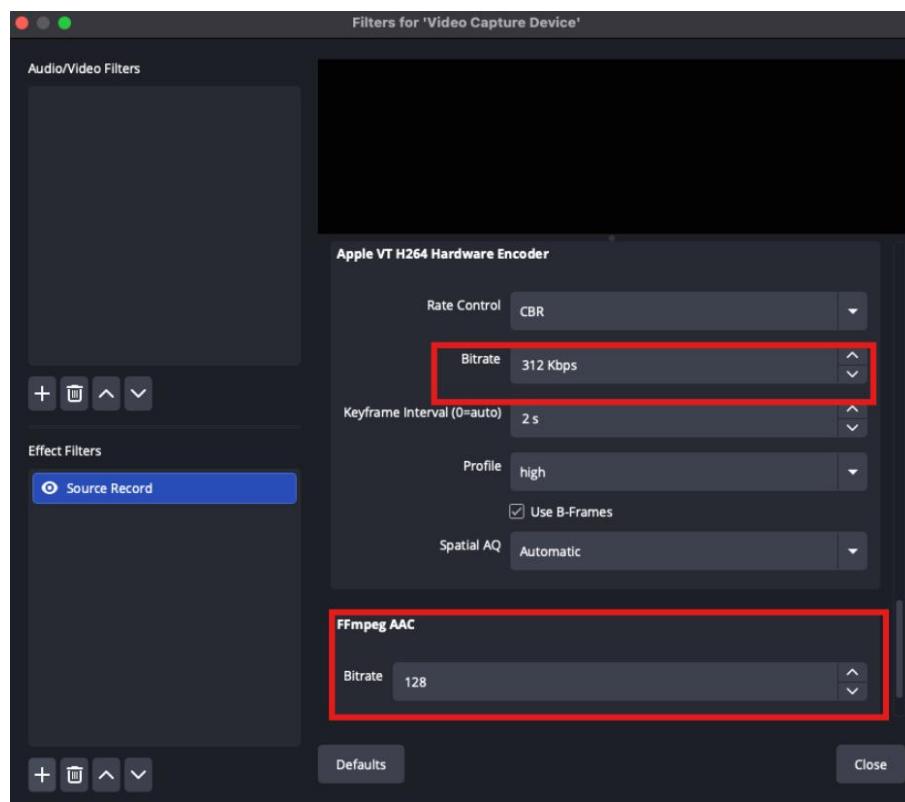
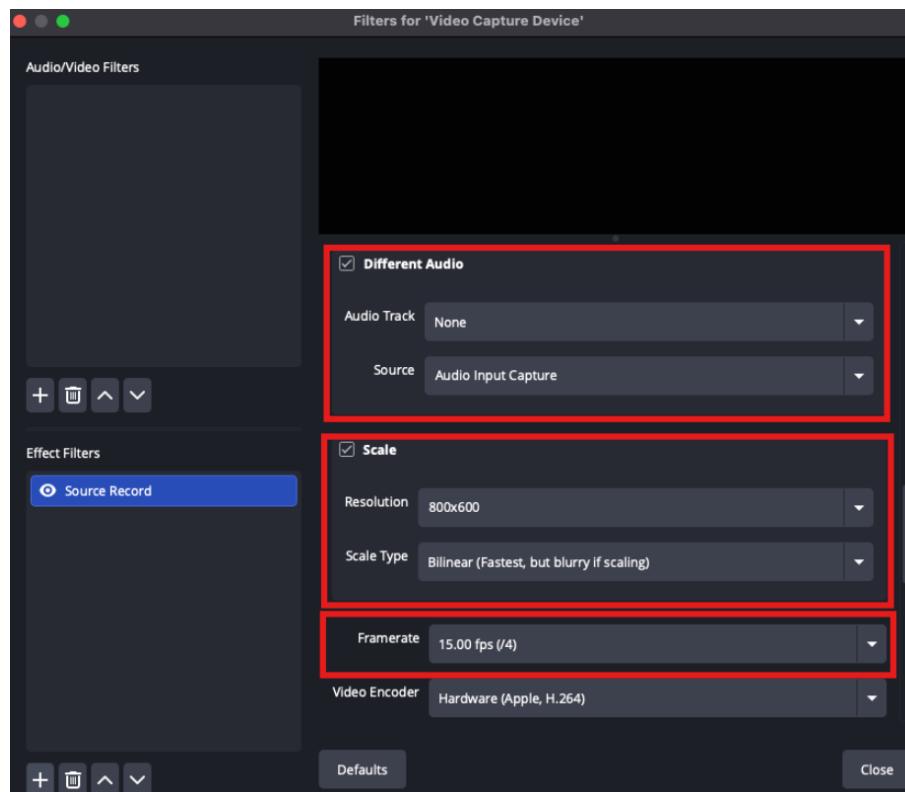


- Click on "OK".



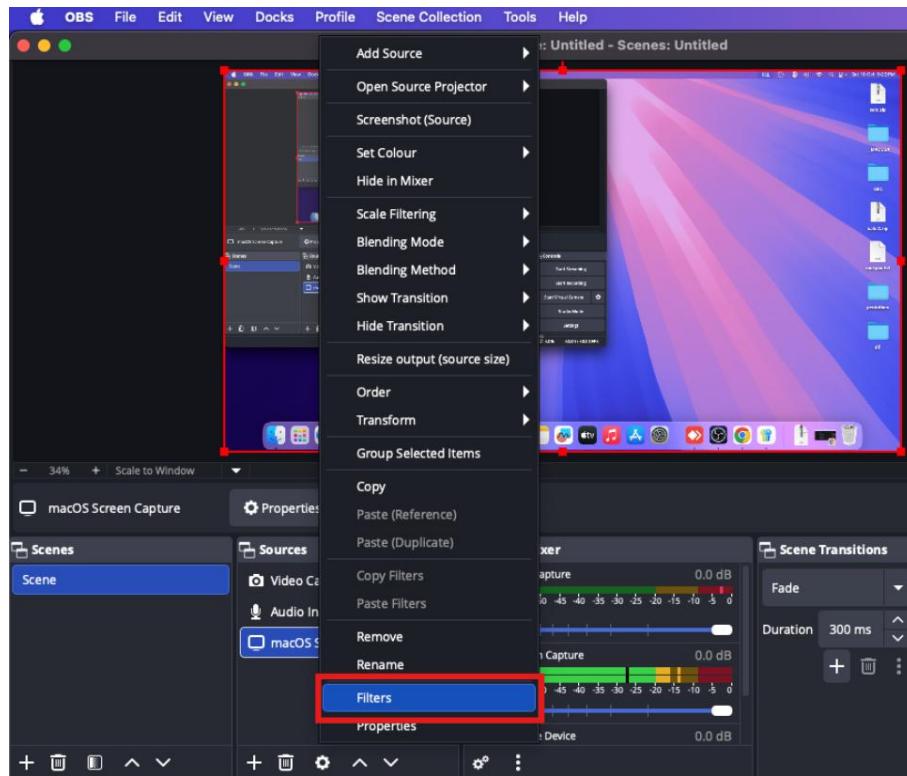
- Double-click Source Record and configure the following settings:



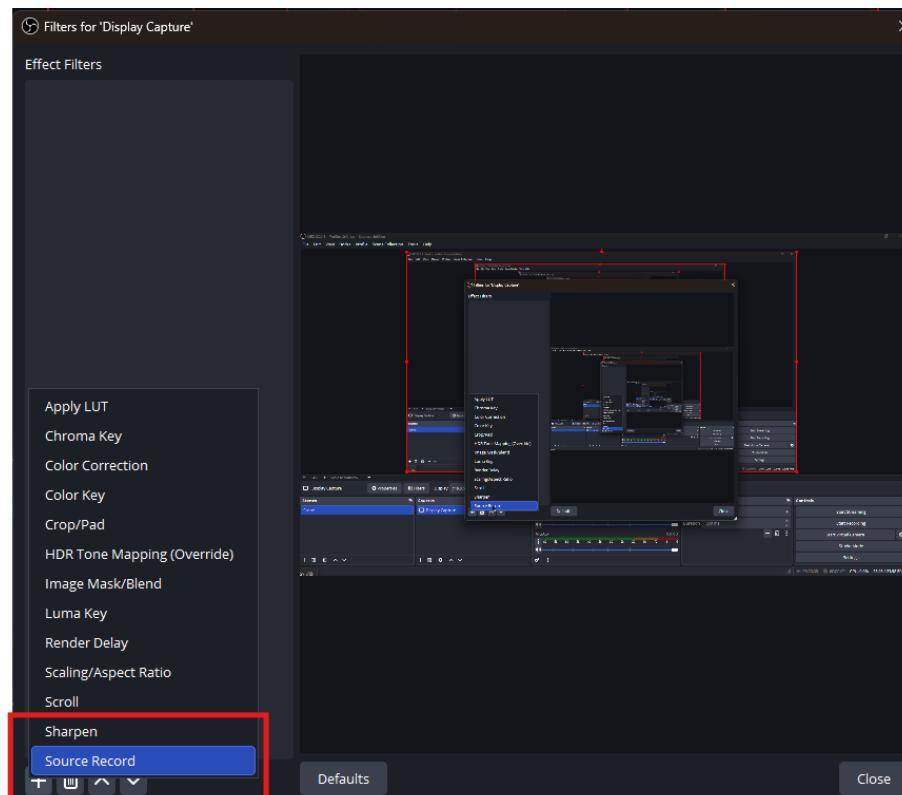


## 8. Source Record Screen Recording Configuration

- Right-click on Display Capture and select Filters.



- Click on the + icon and select Source Record.





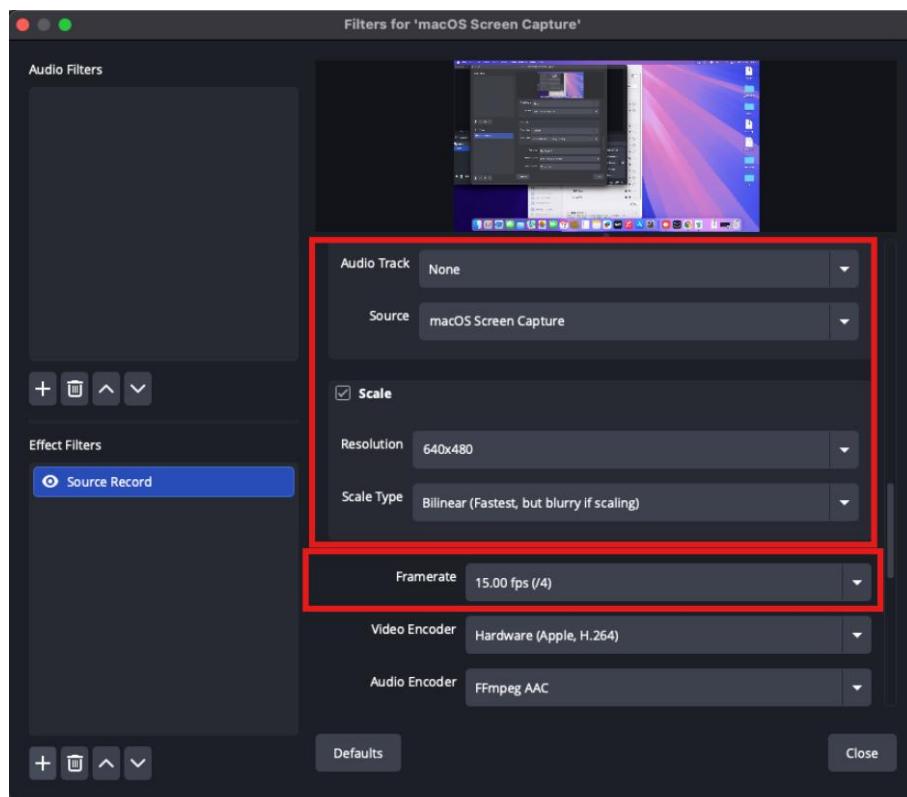
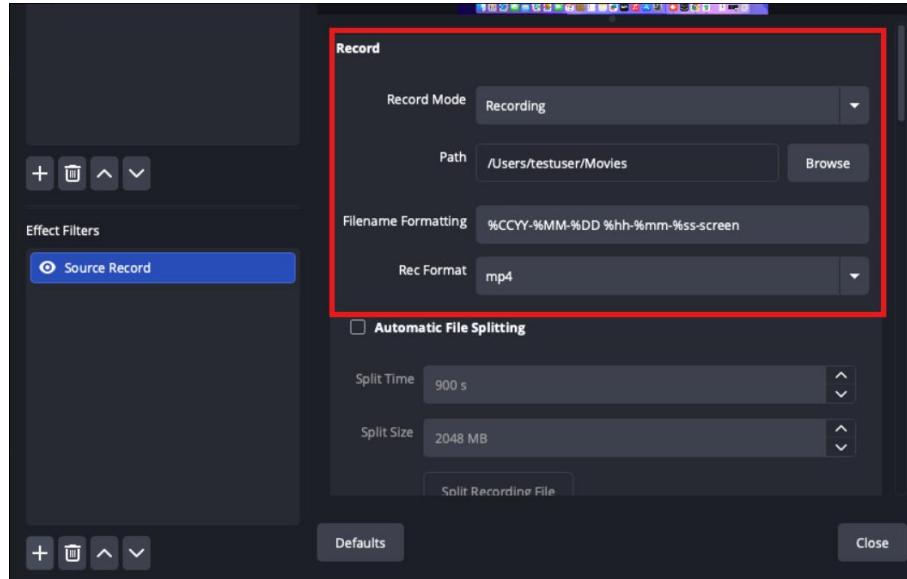
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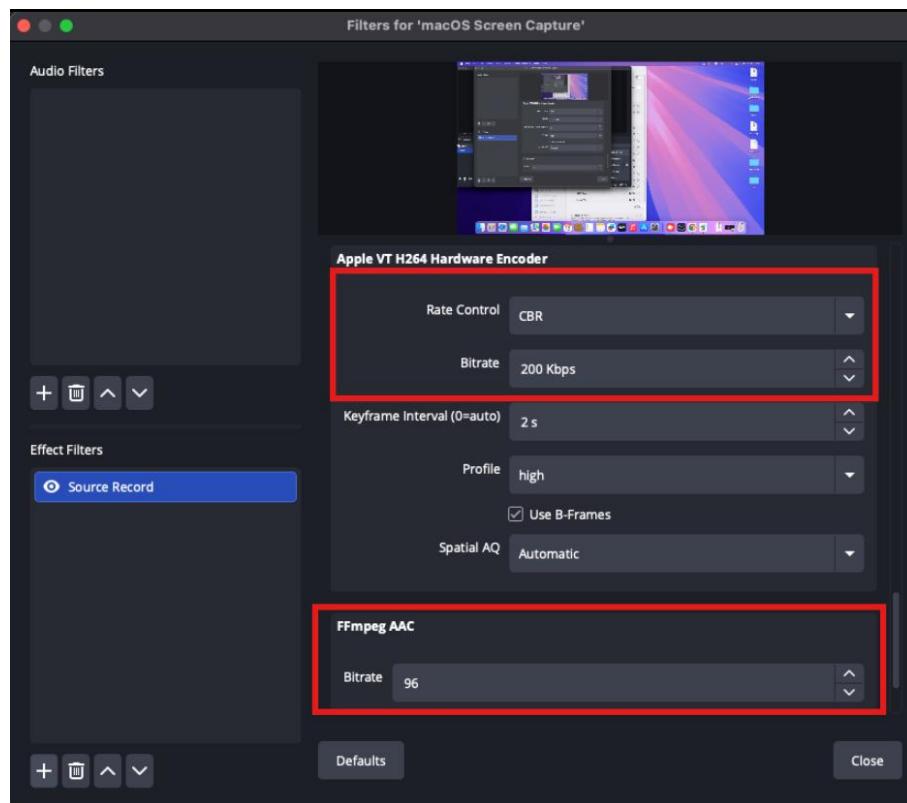
- Configure the following settings carefully:





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## Setup Guide for Linux

### 1. Install OBS Studio

- Download and install OBS Studio (Open Broadcaster Software). Click [Here](#) to download OBS for Linux.
- Follow the on-screen instructions to complete the installation.

### 2. Install Python 3.12

- Python is usually pre-installed on Linux. To check, open Terminal and run: `python3 --version`
- If not installed, install it using your package manager (e.g., `sudo apt install python3`).

### 3. Install Source Record Plugin (for Dual Recording)

Please refer to the macOS instructions (steps are similar).

### 4. Install Required Python Package

- Open Terminal.
- Run the following command: `pip install requests`

This installs the `requests` package required for the proctoring scripts.

### 5–8. Configure OBS Scripts and Recording Setup

Please refer to the [macOS](#) instructions (steps are similar).

Contact us if you face any issues.