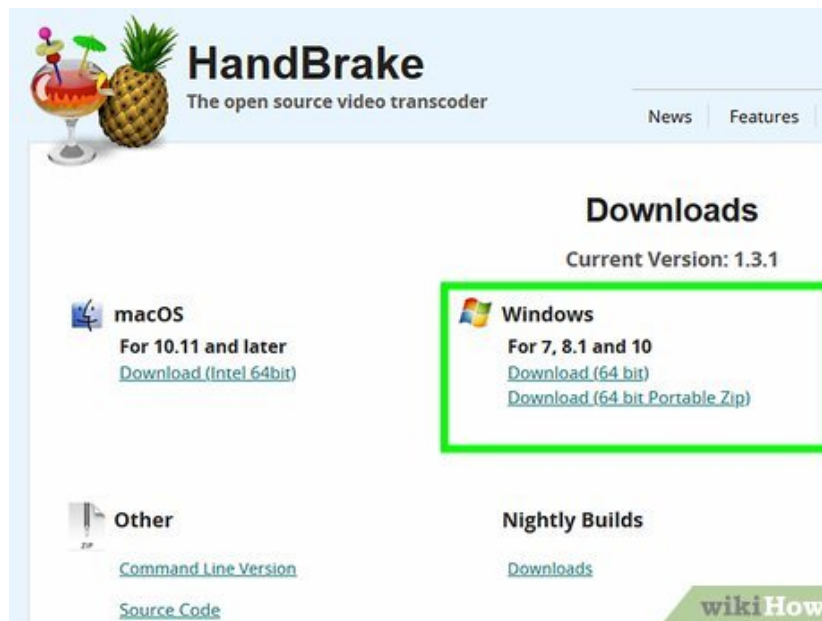


How to Improve Video Quality

This wikiHow teaches you how to improve the quality of your video files by converting them to a High Definition (HD) format. You'll also learn how to adjust the settings on your iPhone, iPad, or Android camera to record great looking...

Method 1 of 4:

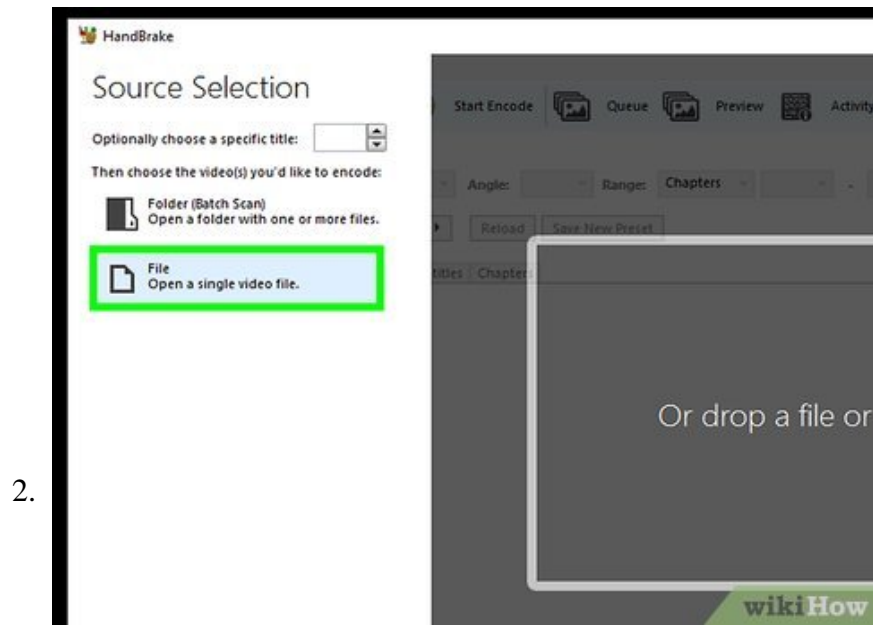
Using Handbrake for Windows or macOS



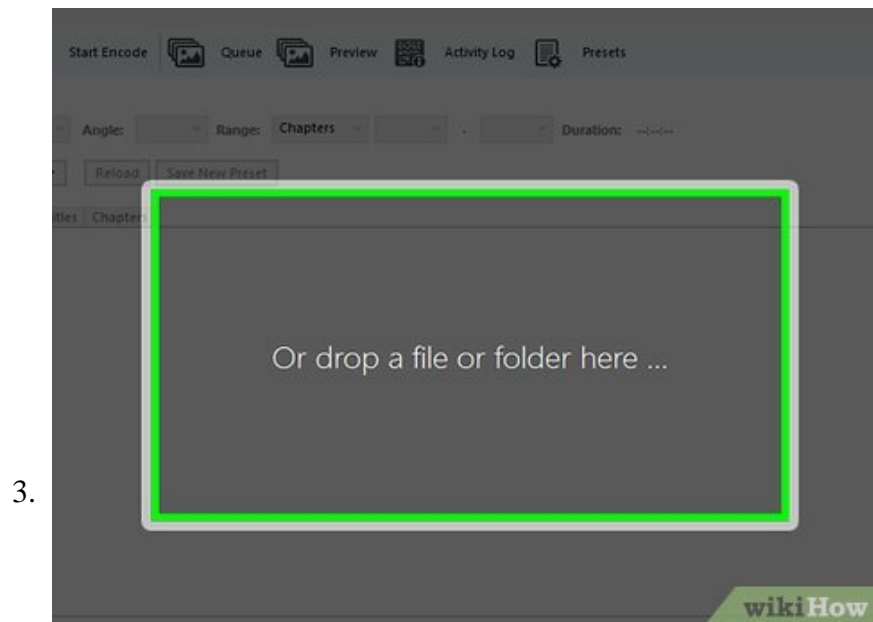
1.

Open HandBrake on your computer. HandBrake is a free video editor that makes it easy to improve the quality of a low-resolution video clip. If you haven't yet installed HandBrake, here's how you can get it:

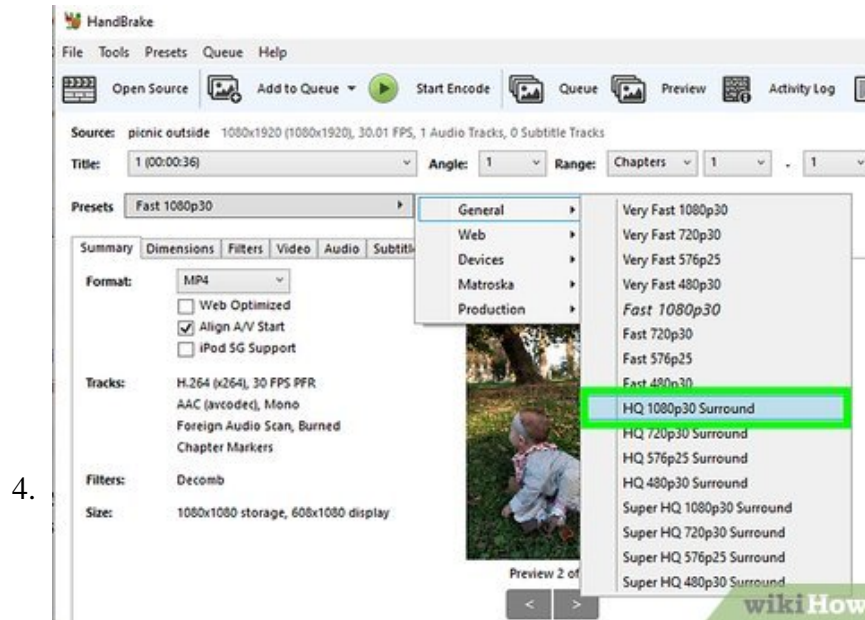
1. Go to <https://handbrake.fr/downloads.php> in a web browser.
2. Click the **Download** link for your operating system.
3. Double-click the downloaded file.
4. If you're using a Mac, drag the HandBrake icon to the Applications folder. On Windows, follow the on-screen instructions to complete the HandBrake installation.



Click **Open Source**. It's in the top-left area of the app.

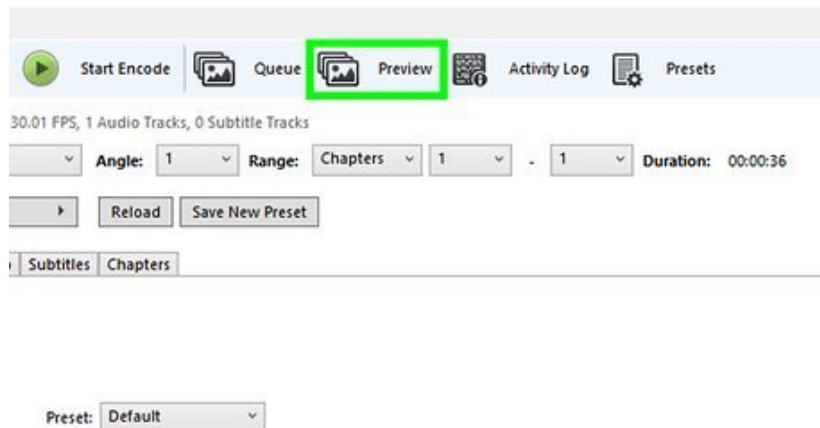


Import your video file. You can either drag the video file onto the "Or drop a file or folder here" box or click **File** and select the file.^[1]

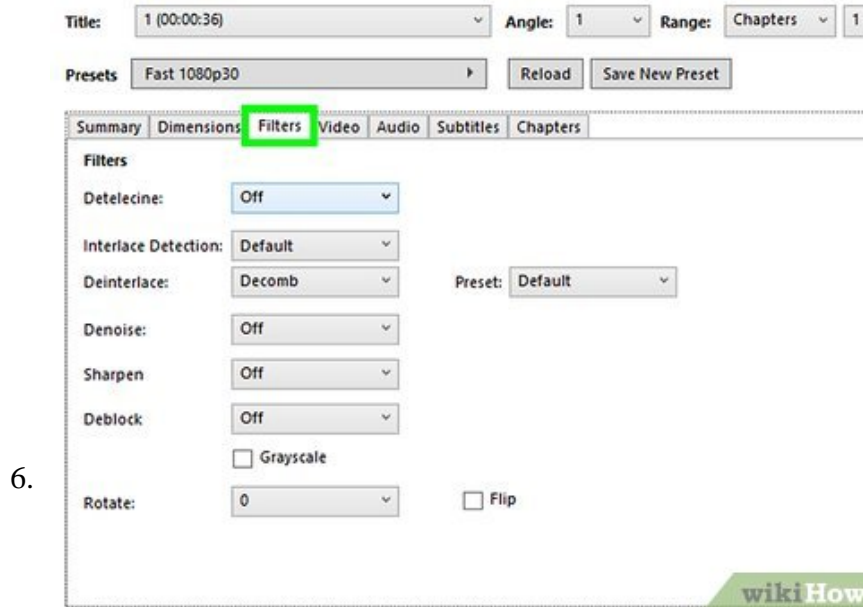


Select a high-quality preset from the "Presets" menu. This menu appears near the top of the app, as well as in the menu bar if you're using a Mac. Presets are groups of settings that can adjust the quality of your video to appear best on certain types of screens.

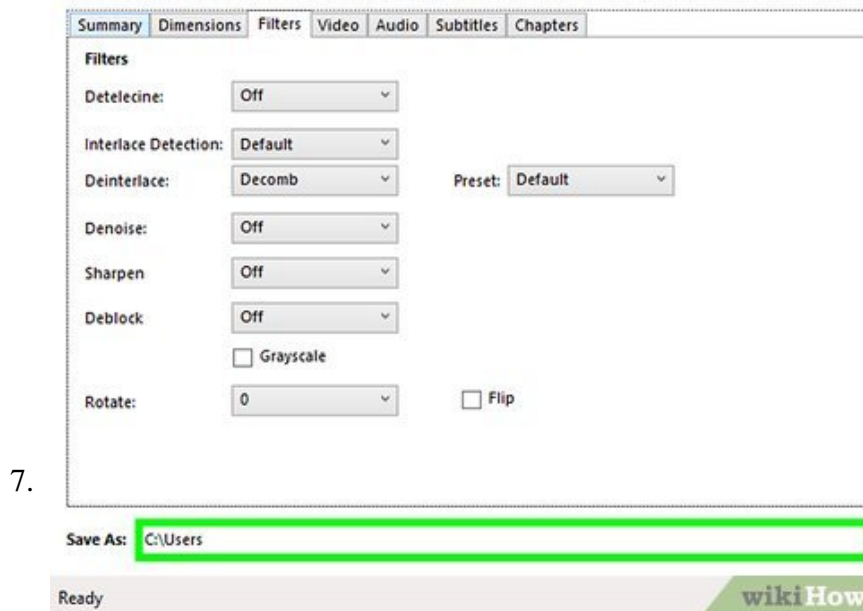
1. For example, if you want to increase your video to 1080p Full High Definition, choose one of the HQ 1080p30 presets.
2. The higher the quality, the larger the video file. Avoid picking a super-high resolution if you don't actually need it.^[2]
3. To fine-tune the quality, click the **Video** tab and move the "Constant Quality" slider right (to increase quality) or left (to decrease).



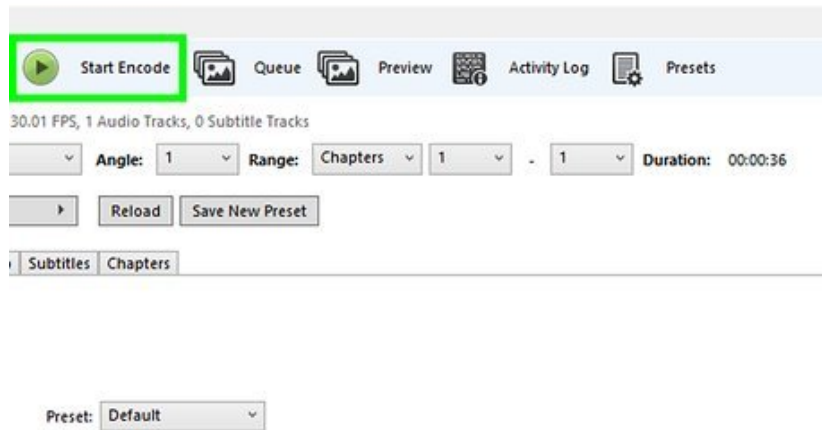
Click **Preview**. It's near the top of the window. This displays a short preview of your quality adjustments.



Click the **Filters** tab for more editing options. In addition to increasing the resolution, you can also use tools like Sharpen and Deinterlace to improve imperfections in the original video. After making your changes, click **Preview** again to see how they look.



Choose a saving location. The "Save As" bar at the bottom of the app contains the default saving location. You can leave this as-is, or click **Browse** to choose another folder. Either way, make sure you remember this location so you can find your encoded video later.



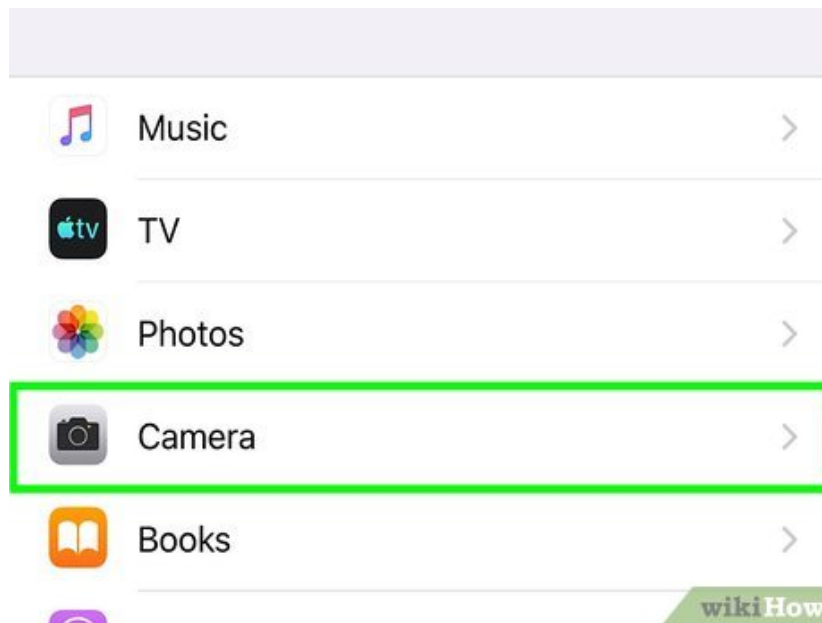
8.

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Click **Start Encode**. It's in the toolbar at the top of the app. This converts the video to its new high-quality format. The finished file will be saved to the folder you selected or noted in the previous step.^[3]

Method 2 of 4:

Using an iPhone or iPad

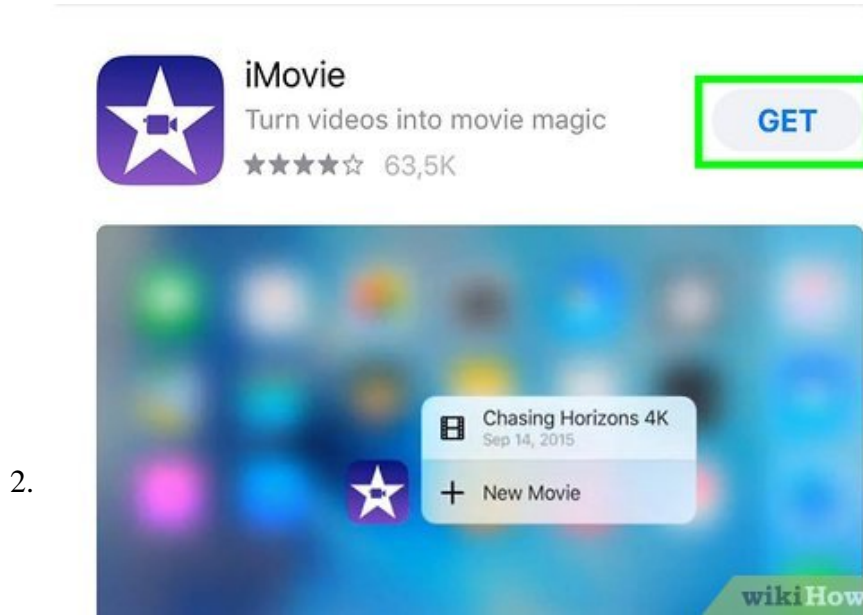


1.

Record in HD or 4K. Before recording a new video with your iPhone or iPad, adjust the video quality to a higher-quality in your camera settings. This is the best way to ensure you're getting a great quality video from the start. Here's how:^[4]

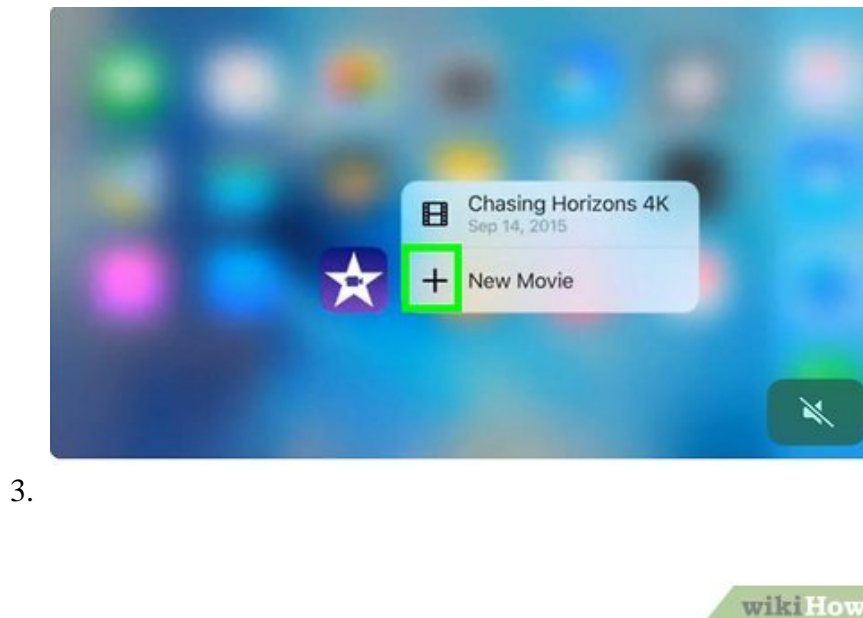
1. Open your **Settings**.
2. Scroll down and tap **Camera**.

3. Tap **Record Video**.
4. Select a higher resolution. For example, if you want to record Full HD video, select a **4K** option.

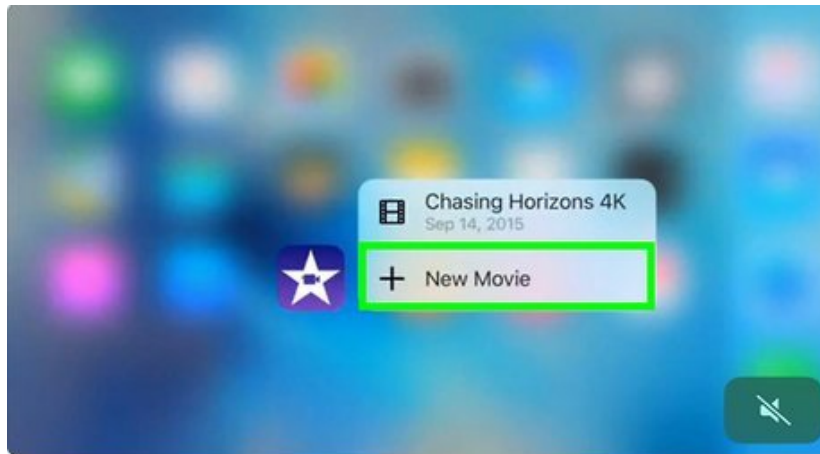


Open iMovie to adjust the resolution of a video clip. If you already have a video clip that was recorded in a lower resolution than what you'd like, you can adjust the resolution in iMovie. It's the purple icon with a white star, and you'll usually find it on the home screen.

1. If you don't have iMovie, download it for free from the App Store.



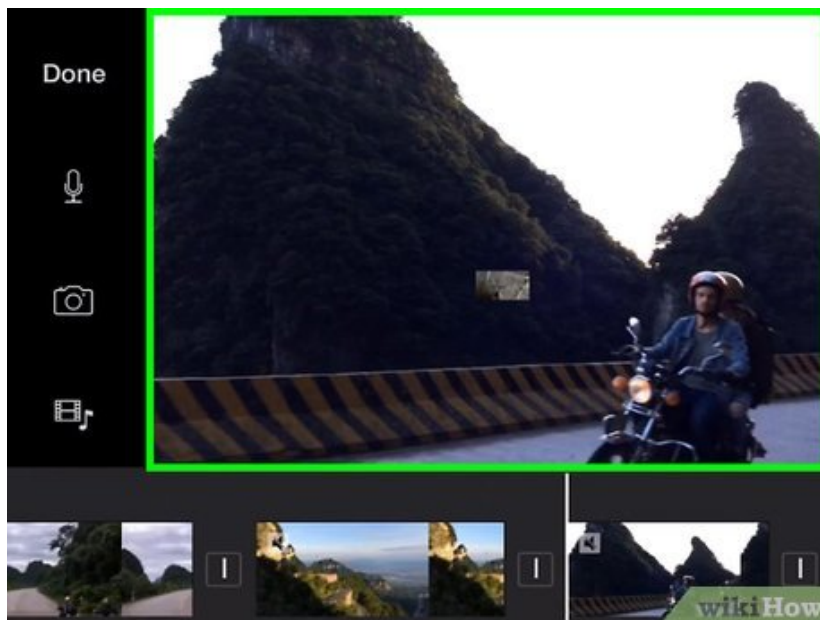
Tap **+** to create a new project.



4.

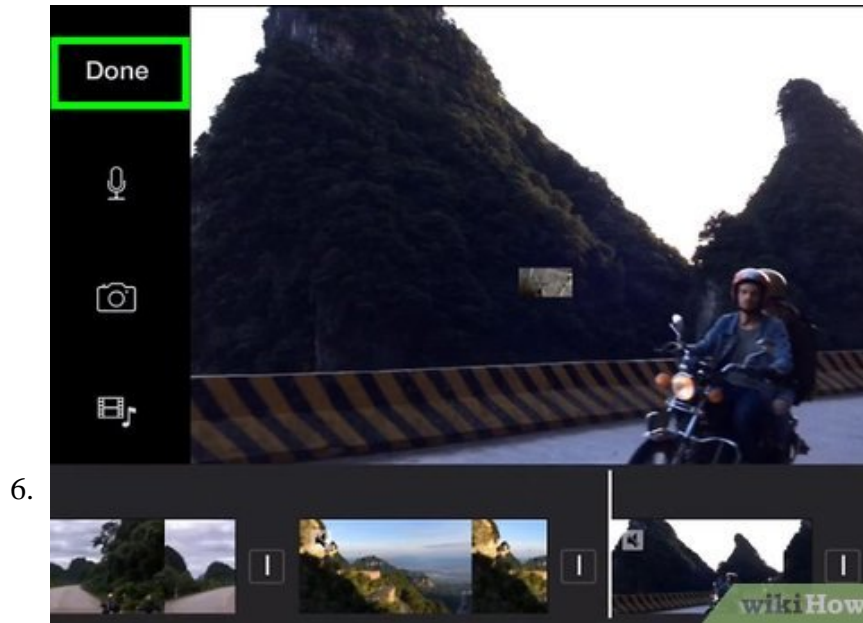
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Tap **Movie**. It's the first option. A list of video files on your phone or tablet will appear.

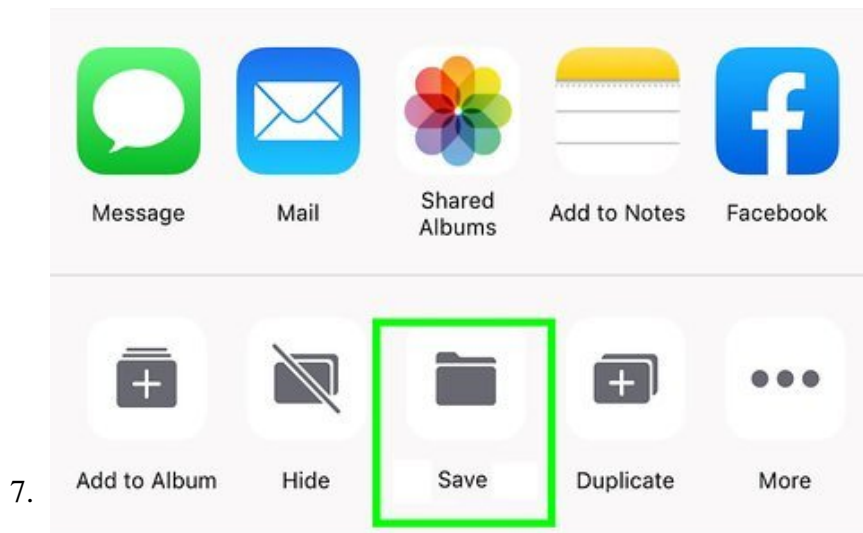


5.

Select a video and tap **Create Movie**. It's at the bottom of the screen. This opens the video for editing.

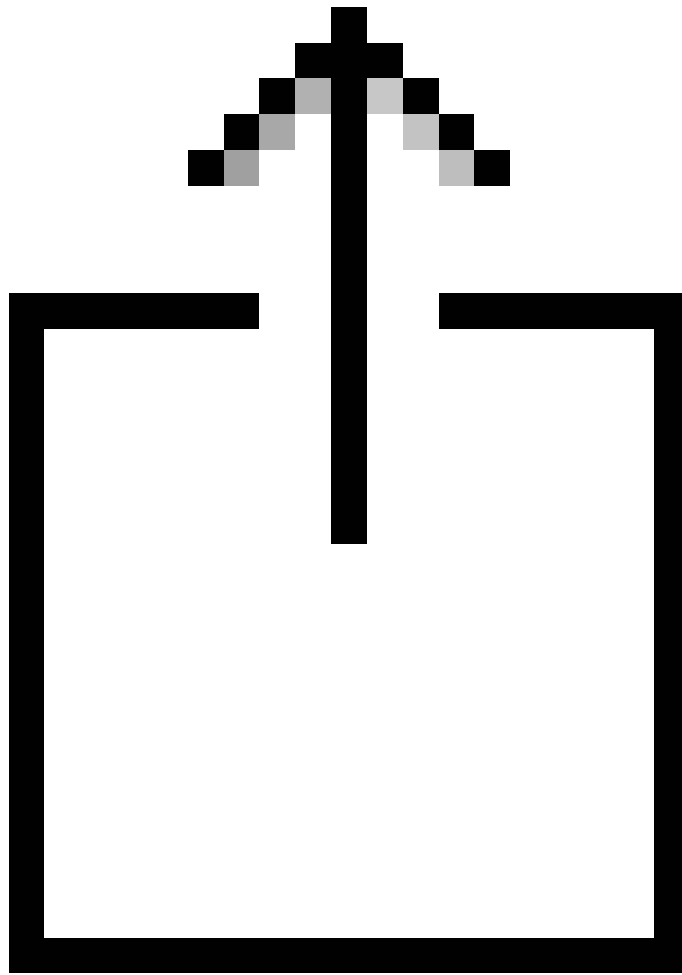


Tap **Done**. It's at the top-left corner.

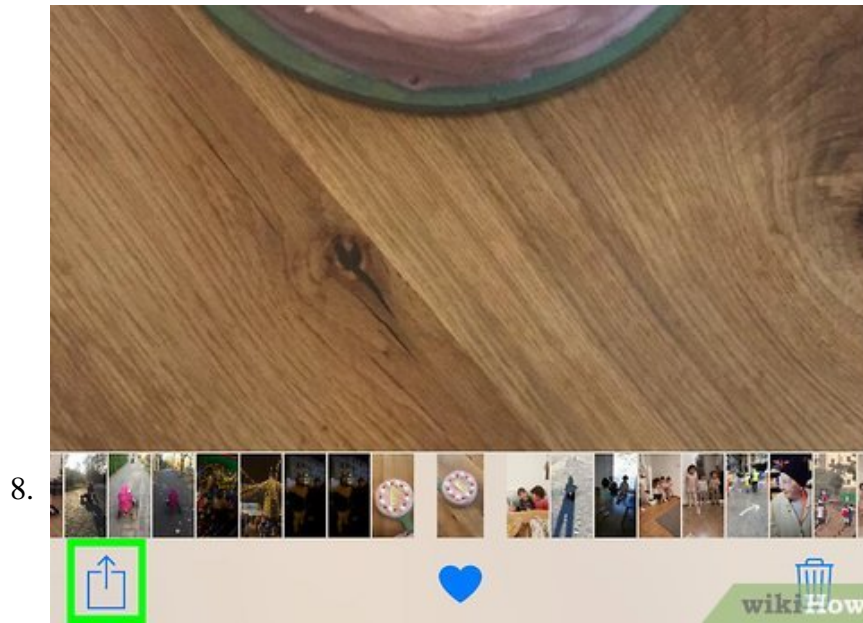


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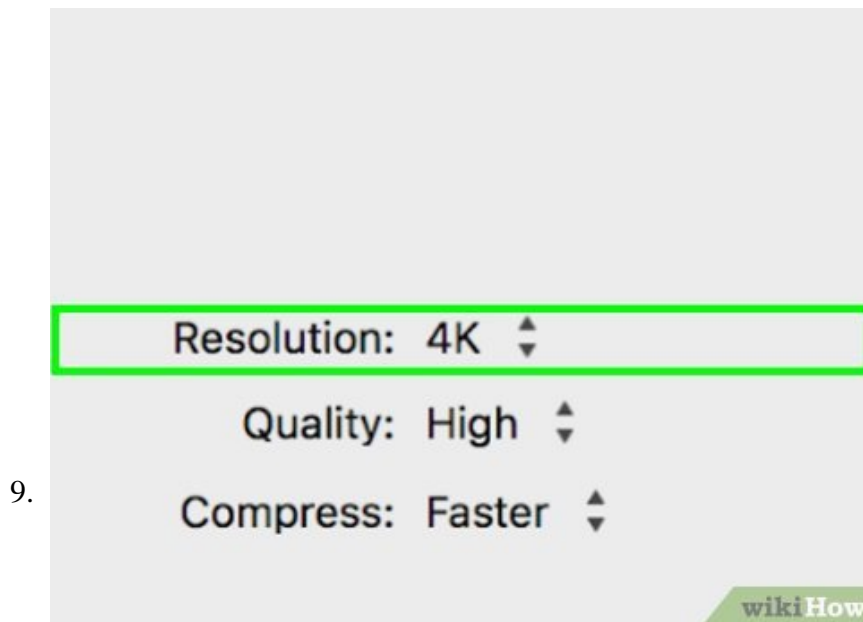
Tap Share



. It's the square with an upward-pointing arrow at the bottom-center part of the screen.^[5]



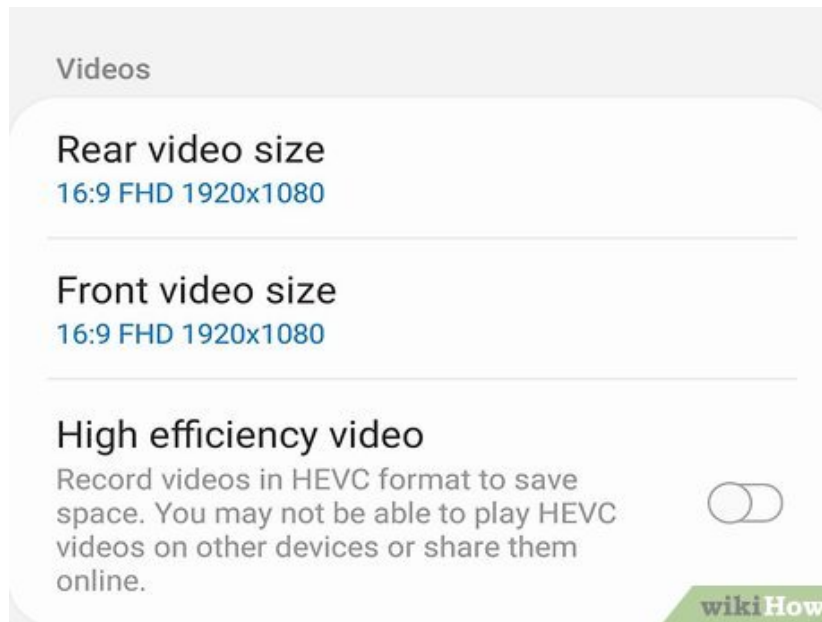
Tap **Save Video**. It's at the bottom of the menu. Some resolution sizes will appear.



Select the desired resolution. This saves the video with its improved resolution to the Photos app.

Method 3 of 4:

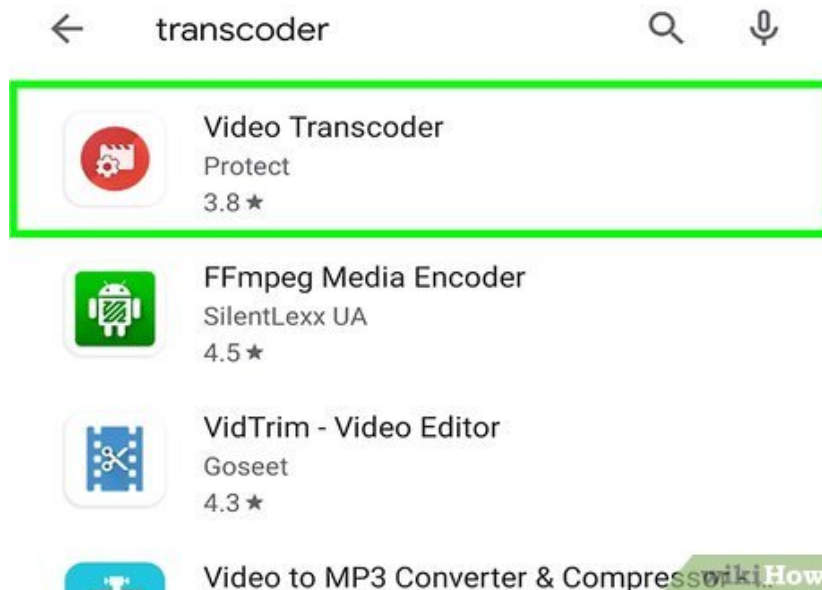
Using an Android



1.

Record in HD or 4K. Before recording video, you'll want to check your camera's settings to make sure you're recording in the best possible format. The steps to do this vary by Android (and not all Androids support the same resolutions), but you can usually find your camera settings with these steps:^[6]

1. Open the Camera app on the home screen or in the app drawer.
2. Tap **Settings** or a gear icon. If you don't see either, tap any icon that looks like a menu and select **Settings**.
3. Select your front or rear camera.
4. Select a higher resolution. For example, if you want to record Full HD video, select a **4K** option.



2.

Install a video converter app that converts video files to HD. Although many video converter apps are available at no cost from the Play Store, most charge extra to convert to high-quality formats like 1080p (Full HD). Video Format Factory by Keerby is a highly-rated free app that can convert video, but you'll need to pay \$4.49 to upgrade if you want to convert to HD or Full HD.

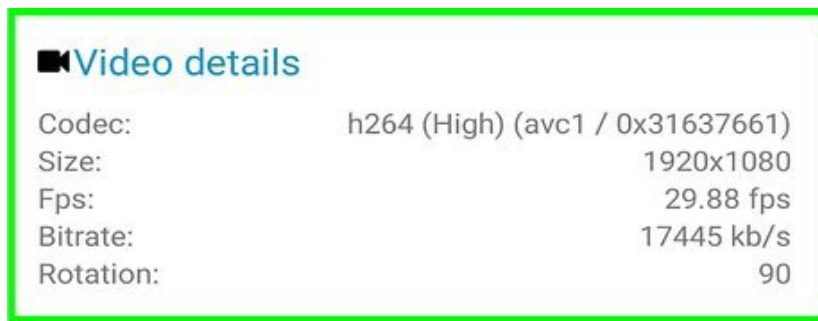
1. If converting a low-quality file to 720p (regular HD) is good enough, Video Transcoder is a completely free open-source option. You can get it from this link.^[7]



3.

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Open your video in a video converter app. For example, if you downloaded Video Format Factory, open the app, tap tap + **Add** at the top-left corner, and then select the video you want to convert.



4.

Audio details

Codec: aac (LC) (mp4a / 0x6134706D)
Frequency: 48000
Channel: stereo
Bitrate: 256kb/s

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Select your desired resolution. No matter which app you're using, you'll have to choose the desired output size for your conversion. For example, to increase the quality to 1080p, you'll usually choose **1080p** or **1920 x 1080**.

1. If the app you are using requires payment for high-quality conversions, follow the on-screen instructions to process your payment.
2. The higher the resolution, the larger the file size.



File details

20200319_152358.mp4

/storage/emulated/0/DCIM/Camera

45.65 MB

00:00:21

5. Video details

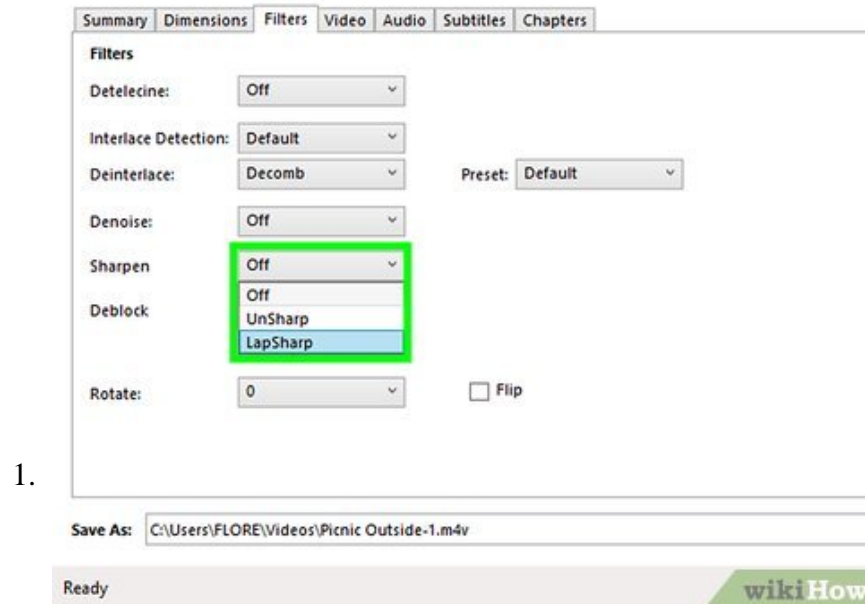
Codec: h264 (High) (avc1 / 0x31637661)

Size: 1920x1080

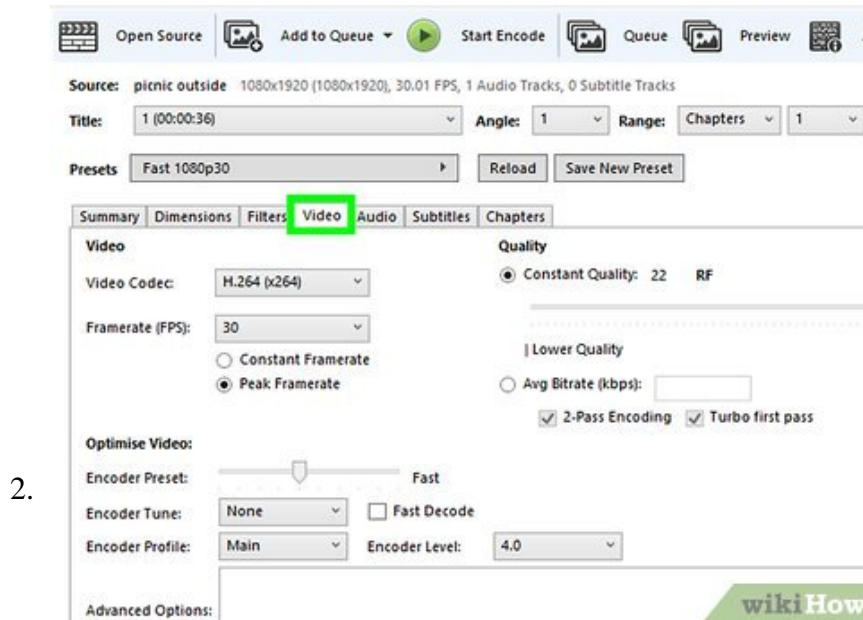
Select the option to convert the file. This might be a checkmark or the word **Convert**. Once the file is converted, its resolution will be updated.

Method 4 of 4:

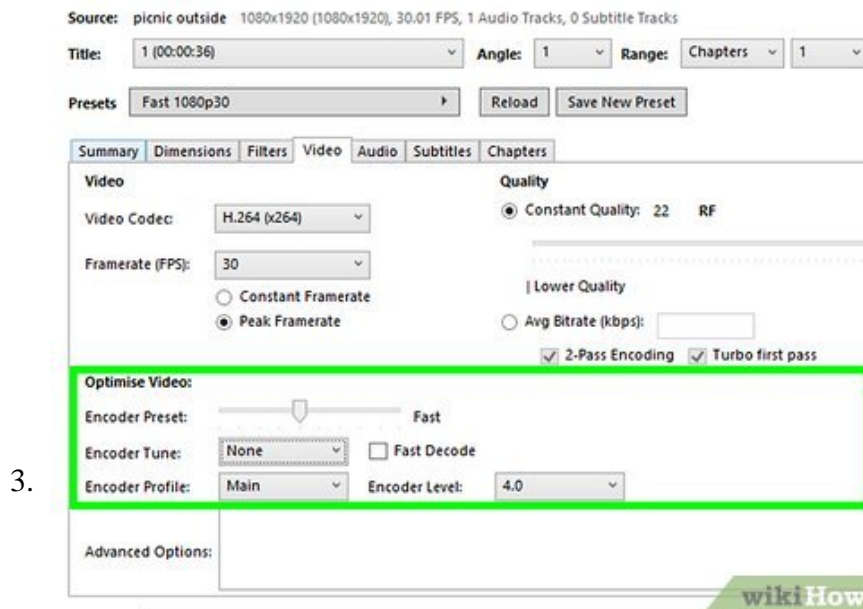
Improving Quality in Any Video Editor



Apply a sharp filter to your video. A sharp filter is typically found in the filters and effects menu. A sharp filter makes the video image appear crisper by identifying the edges in a video image and shrinking them. If your video includes an option to adjust sharpness, increase it for better quality.

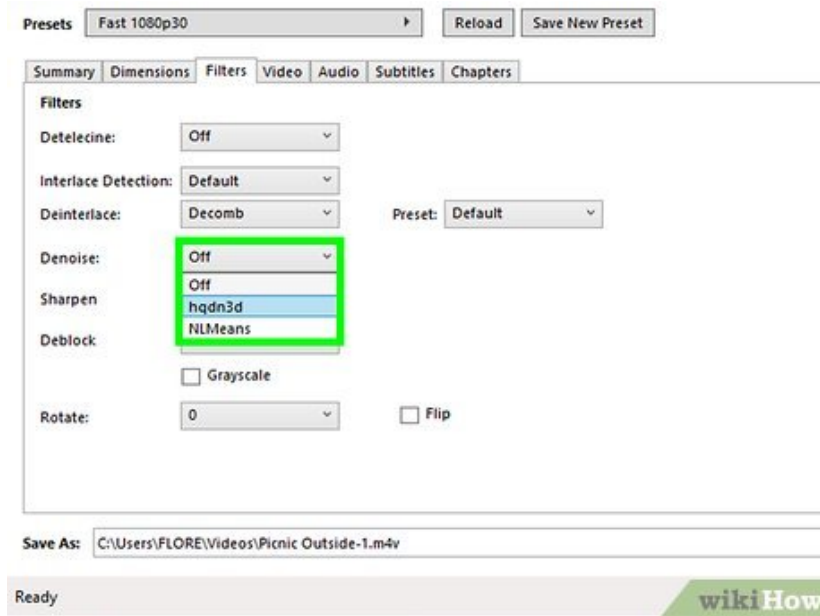


Apply a blur, soften, or smooth filter. These effects can be found in the filters and effects menu of any video editing application and can be effective in removing unwanted artifacts such as graininess or scratches in analog video files. Experiment with these filters to determine which of them produces the best results. You will likely only need to apply a small amount.



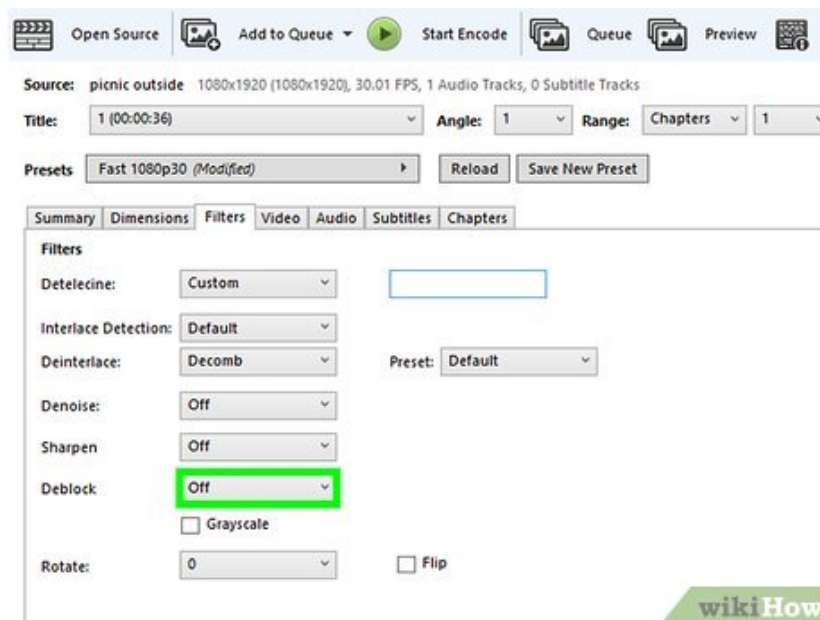
Use color correction filters to adjust the color. Color correction filters, such as brightness, contrast, levels, hue, saturation filter to improve the light, shadows and color balance of a video file. Most video editing applications will contain these or similar features located in the effects and filters menu. Experiment by applying each separately to determine which combination of filters produces the best results.

4.



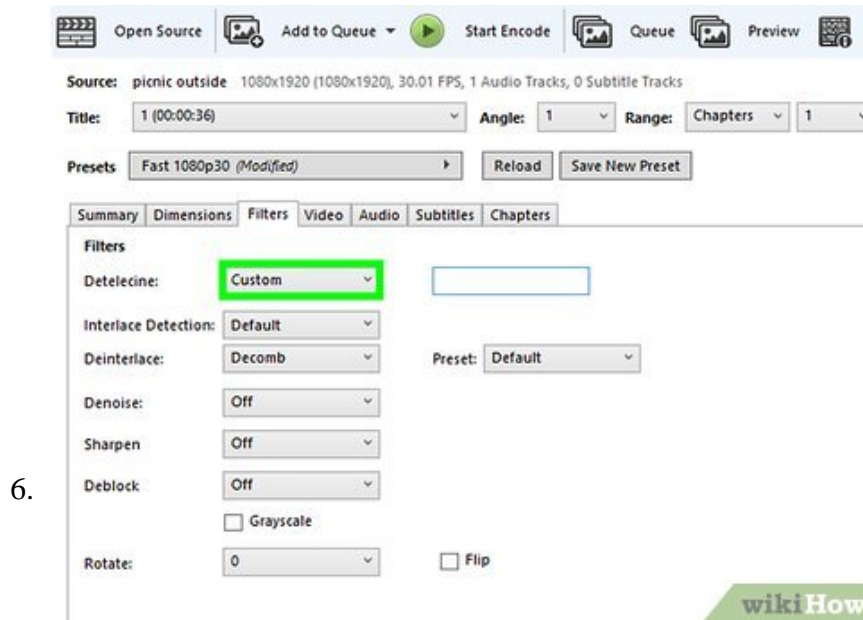
Use noise reduction, or video denoising, to improve video quality. Video de-noising is a process by which analog 'noise', such as lines, dots, color degradation and various other unwanted artifacts can be removed or diminished. The video denoising filter typically will be found in the effects and filters menu of the video editing application.

5.

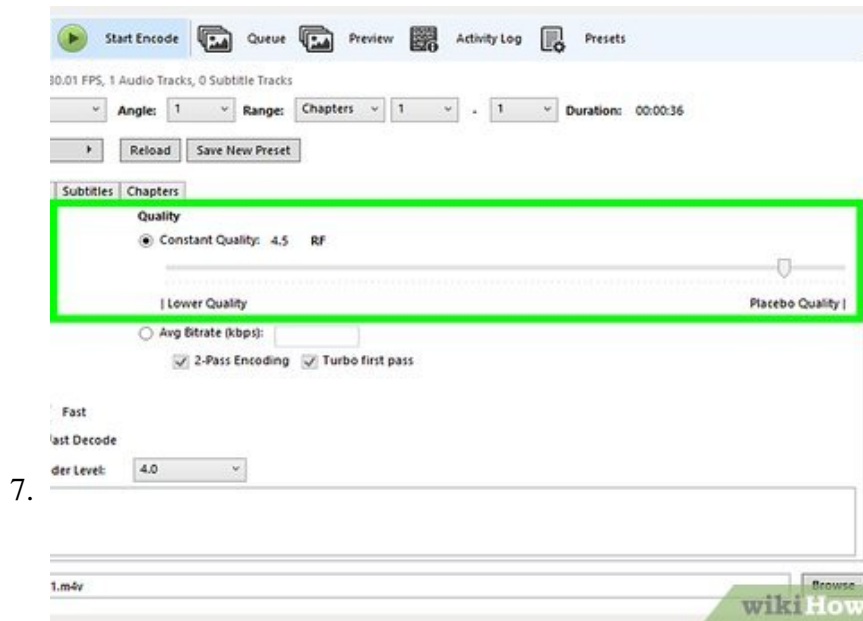


Use a video stabilizer effect to stabilize shaky video. This function focuses on reducing a shaky video recorded in motion. It compensates global motion by moving whole frame to correct for the motion in the video.

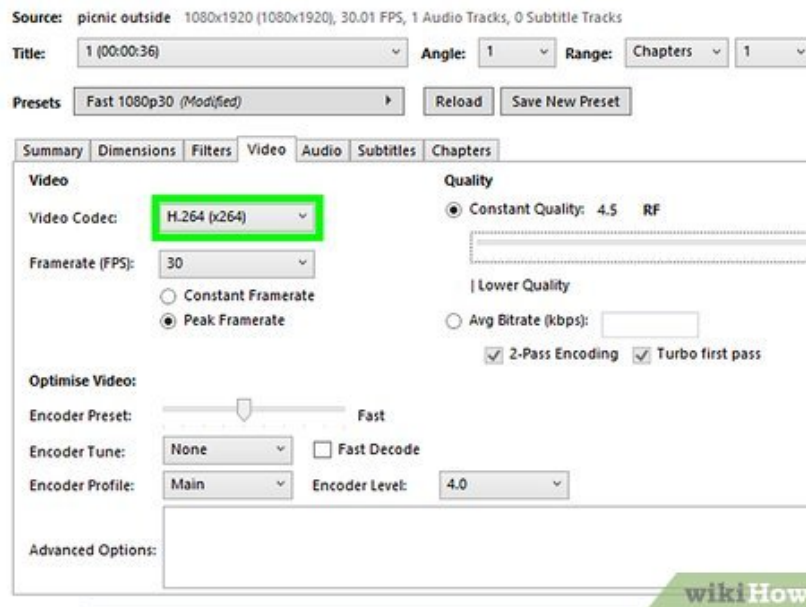
1. If your video editing software does not have a video stabilization tool, you can stabilize videos for free online at <https://video-stabilize.com/>



Use de-interlacing options. Video interlacing is a process in which every other line of an image is scanned and alternated each frame. Progressive scans that display each line each frame produce better quality images. Different de-interlace options work better for different video formats. The de-interlace options may be in the filters and effects menu, or it may be an option you select when you render or export a video.



Use a post-processing filter to automatically adjust the interpolation. Most video editing apps contain a post-processing tool typically found in or near the filters and effects menu. Locate and select the post-processing tool to improve video quality.



8.

Render the video in MP4 format using the H.264 codec. When you are happy with the way your video looks, you can render it. The option to render or export a video is typically found under the File menu. When you render or export a video, you will be asked to choose a file format. The most common file format is MP4 using the H.264 codec.

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