

## Tutorial: Creating a Timelapse Video



There are two ways to create a timelapse video using a Panomachine:

1. **Using a timelapse application on your smartphone (e.g., Framelapse):**  
In this case, program the Panomachine with the “VideoPan” option. The rotational movement will be defined by the settings chosen for the Panomachine. The sequencing of images and video format will be defined by the parameters chosen in your smartphone's application.
2. **Using the Panomachine’s “timelapse” option** to capture a few hundred photos and then creating the video on a computer using software like **VirtualDub** (free).  
This approach gives you complete control over the creation process and allows you to generate videos of very high quality and resolution.

## *Creating a Timelapse Video with VirtualDub from a Batch of JPEG Files*

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### **Organize Your Files:**

- Connect your smartphone to your computer to download all the images into a single folder.
- Ensure the files are named sequentially (e.g., image0001.jpg, image0002.jpg, etc.).

### **Load JPEG Files into VirtualDub:**

1. Click on **File > Open Video File**.
2. Select the first file in the series (e.g., image0001.jpg).
  - VirtualDub will automatically detect the other sequential files.

### **Enable Video Processing Mode:**

1. Go to the **Video** menu and select **Full Processing Mode**.

### **Apply a Resizing Filter if Necessary:**

1. Navigate to **Video > Filters**, then click **Add**.
2. Select the **resize** filter from the list and click **OK**.
3. Configure the filter:
  - **New size:** Specify the desired resolution (e.g., 1920x1080 for Full HD or 1280x720 for HD).

### **Add Additional Adjustments if Necessary:**

1. If your images need cropping, add the **null transform** filter and click **Cropping** to set the desired dimensions.

### **Adjust the Timelapse Speed and Video Compression:**

1. In **Video > Frame Rate**, set a speed such as **25 fps** or **30 fps**.
2. Go to **Video > Compression** to choose a video codec like **Xvid MPEG-4** or **H.264**.
  - If these codecs are not installed:
    - [Download Xvid](#)
    - [Download K-Lite Codec Pack Full](#)

### **Export the Video:**

1. Click on **File > Save as AVI**.
2. Let VirtualDub process the images. This may take some time, especially if resizing filters have been applied.

### **Note:**

- When using the **x264 codec**, it may be helpful to check the “virtualdub hack” option.
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