Raspberry Pi Timelapse

Written by Mark Webster

Summary: Learn to use a Raspberry Pi single board computer to create timelapse video.

Introduction

Time lapse videos are popular for entertainment, scientific, and educational purposes. The Raspberry Pi is popular as a dedicated device to gather still images at regular intervals.

https://projects.raspberrypi.org/en/projects/timelapse-setup

https://www.raspberrypi.org/documentation/usage/camera/raspicam/timelapse.md

Capturing Still Images

Raspistill

Cron

Python

Combining Images to Video or Gif

ImageMagik

https://projects.raspberrypi.org/en/projects/timelapse-setup/6

Avconv

Mencoder

https://en.wikipedia.org/wiki/MEncoder

FFmpeg

https://en.wikipedia.org/wiki/FFmpeg

http://hamelot.io/visualization/using-ffmpeg-to-convert-a-set-of-images-into-a-video/

Software on Other Computers