PiCamera Controller User Notes 9/6/2018

testapp.py **(Main Dashboard)**

camera.py **(Run Cam)** Allows user to input time between images and image count

camsRecord.py **(Run Video)** Allows user to record video for certain duration

preview.py **(Quick Preview)** Allows user to preview cam orientation prior to pictures

executes terminal command to open qv4l2 **(Live View)** Allows user to access Pi Camera from anywhere live using VNC Viewer and qv4l2

Kills App (**Exit App)**

camera.py: This file will take an image and save it as a .jpg starting with 0(++) at the following directory (/home/pi/Desktop/cam\_images/images). It is important to move these to another directory or else the images will be overwritten next time you use camera. py.

camsRecord.py: This will record a video for a set duration (defined by user) and stored as a .h264 at the following directory ((/home/pi/Desktop/cam\_images/images). There is no need to rename as the originals are timestamped down to the second.

To convert the files execute the following command in terminal:

**MP4Box -add <file>.h264 <file>.mp4**

To play the file execute the following command in terminal:

**omxplayer <file>.mp4**

preview.py: just provides a preview in the activex window for a set duration.

The desktop icon was created with a text file and the following code:

**#!/usr/bin/env xdg-open**

**[Desktop Entry]**

**Version=1.0**

**Type=Application**

**Terminal=True**

**Exec=python /home/pi/Desktop/cam\_images/testapp.py**

**Name=PiCamera Controller**

**Comment=Use to take pictures and videos with picam**

**Icon=/home/pi/Desktop/cam\_images/icons/maxresdefault.jpg**

**X-KeepTerminal=true**

**StartupNotify=false**