

Seven Segment Optical Character Recognition

<https://github.com/jiweibo/SSOCR>

Digitizes numbers from videos & images of seven segment displays

opencv + python: <https://github.com/suyashkumar/seven-segment-ocr>

```
dpavlin@x200:/mnt/nuc/seven-segment-ocr/seven-segment-ocr$ sudo apt-get install python-opencv pyt
```

```
dpavlin@x200:/mnt/nuc/seven-segment-ocr/seven-segment-ocr$ python seven_segment_ocr.py --video /d
VIDEOIO ERROR: V4L2: Pixel format of incoming image is unsupported by OpenCV
Unable to stop the stream: Device or resource busy
VIDEOIO(cvCreateFileCapture_Images (filename)): raised C++ exception:
```

```
v4l2-ctl -d /dev/video0 --list-formats
```

```
dpavlin@x200:/mnt/nuc/seven-segment-ocr/seven-segment-ocr$ v4l2-ctl -d /dev/video1 --list-formats
```

```
ioctl: VIDIOC_ENUM_FMT
```

```
    Type: Video Capture
```

```
    [0]: 'YUYV' (YUYV 4:2:2)
```

```
    [1]: 'H264' (H.264, compressed)
```

```
    [2]: 'MJPG' (Motion-JPEG, compressed)
```