

# FFMPEG Commands

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# Cropping

## Center Crop for Instagram:

```
ffmpeg -i ParticleSensor.mp4 -vf "scale=(iw*sar)*max(1080/(iw*sar)\,1080/ih):ih*max(1080/(iw*sar)\,1080/ih),  
crop=1080:1080" ParticleSensor_ig.mp4
```

# Web Convert

## OGV:

```
in_old = "path_to_vid.mp4"
in_new = ${in_old%.*}.ogv
ffmpeg -i $in_old -codec:v libtheora -qscale:v 6 -codec:a libvorbis -qscale:a 6 $in_new
```

# Convert entire folder

```
for i in *.mov;
do name=`echo "$i" | cut -d'.' -f1`
echo "$name"
ffmpeg -i "$i" "${name}.mp4"
done
```

# Hardware encoding

## Intel example command:

```
ffmpeg -hwaccel vaapi -hwaccel_output_format vaapi -vaapi_device /dev/dri/renderD128 -i  
"${invid}" -codec:v h264_vaapi "${invid%._}_testHW.mp4
```