ffmpeg

Video conversion tool.

- Extract the sound from a video and save it as MP3:

ffmpeg -i {{video.mp4}} -vn {{sound}}.mp3

- Convert frames from a video or GIF into individual numbered images:

ffmpeg -i {{video.mpg|video.gif}} {{frame_%d.png}}

- Combine numbered images (frame_1.jpg, frame_2.jpg, etc) into a video or GIF:

ffmpeg -i {{frame_%d.jpg}} -f image2 {{video.mpg|video.gif}}

- Quickly extract a single frame from a video at time mm:ss and save it as a 128x128 resolution image:

ffmpeg -ss {{mm:ss}} -i {{video.mp4}} -frames 1 -s {{128x128}} -f image2 {{image.png}}

- Convert AVI video to MP4. AAC Audio @ 128kbit, h264 Video @ CRF 23:

ffmpeg -i {{input_video}}.avi -codec:audio aac -b:audio 128k -codec:video libx264 -crf 23 {{output_video}}.mp4

- Remux MKV video to MP4 without re-encoding audio or video streams:

ffmpeg -i {{input_video}}.mkv -codec copy {{output_video}}.mp4

- Convert MP4 video to VP9 codec. For the best quality, use a CRF value (recommended range 15-35) and -b:video MUST be 0:

ffmpeg -i {{input_video}}.mp4 -codec:video libvpx-vp9 -crf {{30}} -b:video 0 -codec:audio libopus -vbr on -threads {{number_of_threads}} {{output_video}}.webm