

# Convert 4k Video of DJI Files into 1080p using FFMPEG on Windows

Using RTX 4080 Super Graphic Card

open window command as administrator

cd into the folder which has \*.mp4 files. (eg: cd e:/dji )

```
for %f in (*.MP4) do ffmpeg -hwaccel cuda -i "%f" -vf "hwupload_cuda,scale_cuda=1920:-2" -c:v av1_nvenc -preset p6 -cq 23 -b:v 0 -c:a copy "%~nf_1080p_AV1.mp4"
```

```
Stream mapping:
  Stream #0:0 -> #0:0 (hevc (native) -> av1 (av1_nvenc))
  Stream #0:1 -> #0:1 (copy)
Press [q] to stop, [?] for help
Output #0, mp4, to 'DJI_20260223144410_0002_D_1080p_AV1.mp4':
  Metadata:
    major_brand      : isom
    minor_version    : 512
    compatible_brands: isomiso2mp41
    timecode         : 14:53:47;38
    encoder          : Lavf61.7.100
  Stream #0:0(und): Video: av1 (Main) (av01 / 0x31307661), cuda(tv, bt2020nc/bt2020/arib-std-b67, progressive), 1920x1080, q=2-31, 59.94 fps, 60k tbn (default)
  Metadata:
    creation_time   : 2026-02-23T07:44:11.000000Z
    handler_name    : VideoHandler
    vendor_id       : [0][0][0][0]
    timecode        : 14:53:47;38
    encoder         : Lavc61.19.101 av1_nvenc
  Side data:
    cpb: bitrate max/min/avg: 0/0/0 buffer size: 0 vbv_delay: N/A
  Stream #0:1(und): Audio: aac (LC) (mp4a / 0x6134706D), 48000 Hz, stereo, fltp, 317 kb/s (default)
  Metadata:
    creation_time   : 2026-02-23T07:44:11.000000Z
    handler_name    : SoundHandler
    vendor_id       : [0][0][0][0]
frame=103384 fps=340 q=85.0 size= 4278784KiB time=00:28:44.78 bitrate=20322.4kbits/s speed=5.68x
```

---

Revision #1

Created 2026-02-24 13:10:30 UTC by Son.KyLuat

Updated 2026-02-24 13:13:14 UTC by Son.KyLuat