

VIDEO COMPRESSION SPEED TESTS - iMAC vs. Mac Pro

| | iMac 2013 | File size | Mac Pro | File Size | Mac Pro Speed Difference | HW Accel. iMac Speed Diff. | Mac Pro Single vs Multi Speed Diff. |
|---|-----------|-----------|---------|-----------|--------------------------|----------------------------|-------------------------------------|
| BMD Write (internal) MB/second | 155 | | 950 | | 512.9% | | |
| BMD Read (Internal) | 160 | | 944 | | 490.0% | | |
| BMD Write (2-drive RAID) | 235 | | 280 | | 19.1% | | |
| BMD Read (2-drive RAID) | 245 | | 275 | | 12.2% | | |
| | | | | | | | |
| Processor Speed (GHz) | 3.4 | | 2.7 | | -20.6% | | |
| RAM (GB) | 16 | | 32 | | | | |
| | | | | | | | |
| 2 REEL Guys (TRT: 10:23) | | | | | | | |
| YouTube HD720p defaults | 27m 47s | 837 MB | 17m 27s | 837 MB | 37.2% | | |
| Apple Devices HD Best (default) | 4m 42s | 534 MB | 4m 7s | 539.2 MB | 12.4% | | |
| DVD (Default settings) A&V | 4m 39s | 567.5 MB | 3m 8s | 567.5 MB | 32.6% | | |
| Custom QT single pass (HW) | 3m 56s | 274.2 MB | 4m 28s | 274.9 MB | -13.6% | 544.5% | 277.6% |
| Custom QT multi-pass | 25m 21s | 281.5 MB | 16m 52s | 281.5 MB | 33.5% | | |
| Custom MPEG-4 single pass | 3m 53s | 161.6 MB | 4m 28s | 160.5 MB | -15.0% | 577.7% | 226.5% |
| Custom MPEG-4 multi-pass | 26m 19s | 187.1 MB | 14m 35s | 181.4 MB | 44.6% | | |
| | | | | | | | |
| Talking Head (TRT: 2:39) | | | | | | | |
| Apple Devices HD | 32s | 142.1 MB | 58s | 143.3 MB | -81.3% | | |
| DVD (Default settings) A&V | 1m 17s | 152.3 MB | 50s | 152.3 MB | 35.1% | | |
| Custom QT single pass (HW) | 39s | 71.5 MB | 1m 6s | 71.5 MB | -69.2% | 687.2% | 198.5% |
| Custom QT multi-pass | 5m 7s | 69.9 MB | 3m 17s | 69.9 MB | 35.8% | | |
| Custom MPEG-4 single pass | 38s | 42.4 | 1m 6s | 42.4 MB | -73.7% | 942.1% | 213.6% |
| Custom MPEG-4 multi-pass | 6m 36s | 47.6 | 3m 27s | 45.0 MB | 47.7% | | |
| | | | | | | | |
| Screen Capture (TRT: 12:10) | | | | | | | |
| Apple Devices HD | 1m 56s | 552.9 MB | 2m 6s | 460.5 MB | -8.6% | | |
| DVD (Default settings) A&V | 4m 40s | 423.3 MB | 3m 28s | 423.3 MB | 25.7% | | |
| Custom QT single pass (HW) | 1m 39s | 308.2 MB | 1m 46s | 289.3 MB | -7.1% | 905.1% | 382.1% |
| Custom QT multi-pass | 16m 35s | 336.4 MB | 8m 31s | 336.4 MB | 48.6% | | |
| Custom MPEG-4 single pass | 1m 48s | 438.4 | 1m 45s | 159.4 MB | 2.8% | 1383.3% | 501.9% |
| Custom MPEG-4 multi-pass | 26m 42s | 210.2 MB | 10m 32s | 208.8 MB | 60.5% | | |
| | | | | | | | |
| Buzz WAV (TRT: 1:00:47) | | | | | | | |
| Convert to MP3 (VBR 128 KB/s Stereo) | 36s | 58.8 | 42s | 58.8 MB | -16.7% | | |
| Convert to AAC (default 128 KB/s Stereo) | 34s | 50.4 MB | 39s | 50.4 MB | -14.7% | | |
| | | | | | | | |

VIDEO COMPRESSION SPEED TESTS - iMAC vs. Mac Pro

| | Notes |
|---|--------------|
| BMD Write (internal) MB/second | |
| BMD Read (Internal) | |
| BMD Write (2-drive RAID) | |
| BMD Read (2-drive RAID) | |
| | |
| Processor Speed (GHz) | |
| RAM (GB) | |
| | |
| 2 REEL Guys (TRT: 10:23) | |
| YouTube HD720p defaults | |
| Apple Devices HD Best (default) | |
| DVD (Default settings) A&V | |
| Custom QT single pass (HW) | PCM Audio |
| Custom QT multi-pass | PCM Audio |
| Custom MPEG-4 single pass | MPEG-4 Audio |
| Custom MPEG-4 multi-pass | MPEG-4 Audio |
| | |
| Talking Head (TRT: 2:39) | |
| Apple Devices HD | |
| DVD (Default settings) A&V | |
| Custom QT single pass (HW) | PCM Audio |
| Custom QT multi-pass | PCM Audio |
| Custom MPEG-4 single pass | MPEG-4 Audio |
| Custom MPEG-4 multi-pass | MPEG-4 Audio |
| | |
| Screen Capture (TRT: 12:10) | |
| Apple Devices HD | |
| DVD (Default settings) A&V | |
| Custom QT single pass (HW) | PCM Audio |
| Custom QT multi-pass | PCM Audio |
| Custom MPEG-4 single pass | MPEG-4 Audio |
| Custom MPEG-4 multi-pass | MPEG-4 Audio |
| | |
| Buzz WAV (TRT: 1:00:47) | |
| Convert to MP3 (VBR 128 KB/s Stereo) | |
| Convert to AAC (default 128 KB/s Stereo) | |
| | |