

4K Multicam Streams without dropping frames

Storage	Final Cut Pro 11	Premiere Pro 25	DeVinci Resolve 19
NVMe SSD RAID 0	40	15	30
4-Drive HDD RAID 0	7	9	8
	17.5%	60.0%	26.7%

NOTES

Source video: 4K (3840 x 2160) ProRes 422

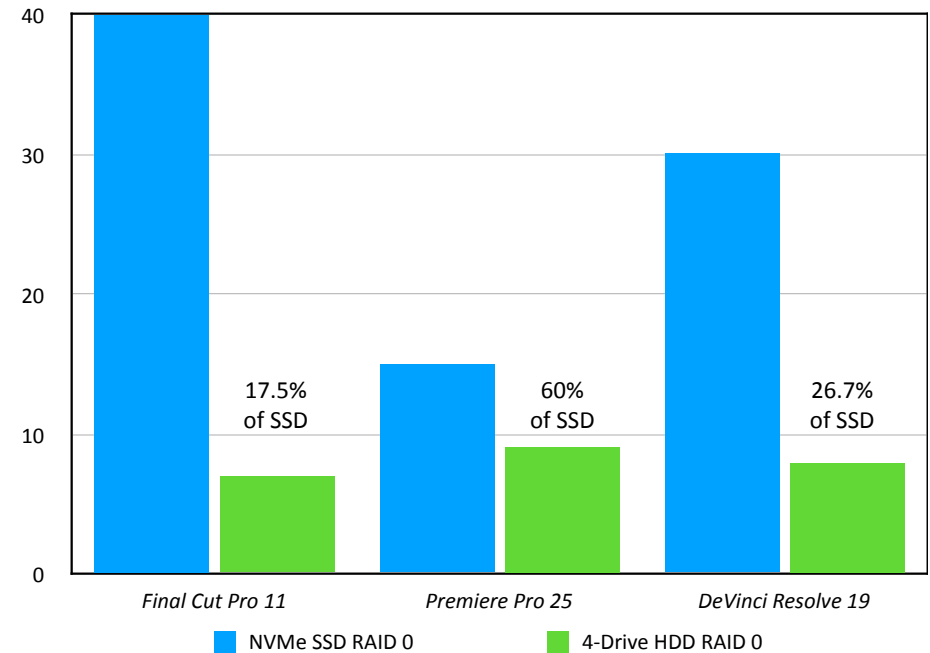
The NVMe SSD RAID was an OWC ThunderBlade SSD RAID 0

The OWC Thunderbay 4 HDD RAID 0 used new (empty) Seagate 16 TB Iron Wolf Pro SATA drives

Both RAIDs formatted using Disk Utility v22.7

All tests run on M2 Max Mac Studio (64 GB RAM, 12 CPU cores, 30 GPU cores) running macOS 15.1.1.

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The big multicam limitation of spinning media is latency, the time it takes to move the drive heads between files.