



Workstation Pro
Intel Core i7-8700k @3.7 HGz
64 GB RAM (58GB Allocated)
NVIDIA GeForce GTX 1070 GPU

VS

Editing PC
Intel Xeon CPU E5-2630 v3 @ 2.4GHz
32 GB RAM (26GB Allocated)
NVIDIA GeForce GTX 750 TI

Adobe Premiere (Premiere Pro CC 2018) Project Testing: Workstation Pro vs Editing PC

400gb folder of 4k footage - exporting out to 4K H.264

Testing Process	Workstation Pro No Pre-Renders	Workstation Pro With Pre-Renders	Editing PC Over Ext HDD No Pre-Renders	Editing PC Over Ext HDD With Pre-Renders	Editing PC Over Local HDD No Pre-Renders	Editing PC Over Local HDD With Pre-Renders	Editing PC Over Network No Pre-Renders	Editing PC Over Network With Pre-Renders
Import folder (4k RED @ 400gb)	19 Seconds *	19 Seconds *	3 Minutes 30 Seconds	3 Minutes 35 Seconds	30 Seconds	30 Seconds	3 Minutes 5 seconds	5 Minutes 10 Seconds
Scrub files	All files available	All files available	Most Media Unavailable	Mostly Media Unavailable	All files available	All files available	Most Media Available	Most Media Available
Transfer from library to timeline	Done	Done	Done	Done	Done	Done	Done	Done
Scrub timeline	No dropped frames	No dropped frames	Dropped frames	Dropped frames	No dropped frames	No dropped frames	No dropped frames	No dropped frames
Import color preset to timeline	Done	Done	Done	Done	Done	Done	Done	Done
Add warp stabilizer effect (5%)	4 Minutes	4 Minutes	6 Minutes 30 Seconds	7 Minutes	6 Minutes 35 Seconds	6 Minutes 35 Seconds	6 Minutes 30 Seconds	6 Minutes 35 Seconds
Pre-render		55 Seconds		2 Minutes 5 Seconds		2 Minutes 5 Seconds		2 Minutes 15 Seconds
Playback on timeline	Dropped Frames	No dropped frames	Some dropped frames	No dropped frames	Some dropped frames	No dropped frames	Some dropped frames	No dropped frames
Add transitions (3D)	Done	Done	Done	Done	Done	Done	Done	Done
Pre-render		35 Seconds		55 Seconds		55 Seconds		50 Seconds
Playback on timeline	Dropped Frames	No dropped frames	Dropped Frames	No dropped frames	Dropped frames	No dropped frames	Dropped frames	No dropped frames
Save project	Done	Done	Done	Done	Done	Done	Done	Done
Export project	4 Minutes 15 Seconds	4 Minutes	5 Minutes 30 Seconds	5 Minutes 45 Seconds	5 Minutes 20 Seconds	5 Minutes 20 Seconds	6 Minutes 20 Seconds	5 Minutes 50 Seconds
Close premiere	Done	Done	Done	Done	Done	Done	Done	Done
Re-open project	Done	Done	Done	Done	Done	Done	Done	Done
Scrub files	No dropped frames	No dropped frames	Dropped frames	Dropped frames	No dropped frames	No dropped frames	Most Media Available	Most Media Available

*Using optimized cachecade

Timed Process Numbers (in Seconds)

Import Times (4K RED ~400gb)	Seconds
Workstation Pro	19
Editing PC Over Ext HDD	210
Editing PC Over Local HDD	30
Editing PC Over Network	185

Warped Stabilizer Added	Seconds
Workstation Pro	240
Editing PC Over Ext HDD	420
Editing PC Over Local HDD	395
Editing PC Over Network	390

Total Project Times	Seconds
Workstation Pro	589
Editing PC Over Ext HDD	1155
Editing PC Over Local HDD	925
Editing PC Over Network	1110

Export Times (4K @ H.264 MP4)	Seconds
Workstation Pro - no pre-render	255
Workstation Pro - pre-render	240
Editing PC - Ext HDD - no pre-render	330
Editing PC - Ext HDD - pre-render	345
Editing PC - Local HDD - no pre-render	320
Editing PC - Local HDD - pre-render	320
Editing PC - Network - no pre-render	380
Editing PC - Network - pre-render	350

Pre-rendering (Stabilizer)	Seconds
Workstation Pro	55
Editing PC Over Ext HDD	125
Editing PC Over Local HDD	125
Editing PC Over Network	135

Pre-rendering (Transitions)	Seconds
Workstation Pro	35
Editing PC Over Ext HDD	55
Editing PC Over Local HDD	55
Editing PC Over Network	50