

Forum:[Hack Forums](#)

Thread: [\\$2200 Video Editing/Gaming Build help](#)

Ralph - August 6, 2018, 7:09 pm

Hey

So I'm helping my brother build a new PC for 4k Video editing as well as some gaming (Battlefield/Skyrim/Rainbow 6 Siege will be the most intense games he plays) I'm fairly knowledgeable when it comes to the gaming aspect, but I have 0 idea what he will need for video editing. I was thinking an 8700k with a 1080. I have no idea if that's good enough for rendering videos. He is open to different cases however for the time being he wants to stick with an ATX Mid preferable the Lian LI PC-011Air

If anybody has any suggestions where to go with this I'm sure you guys have a better idea than I do.

Budget does not need to include any software/peripherals, literally only the parts within the PC.

Breeze26509 - August 7, 2018, 3:37 am

Does your brother use Adobe Premiere or Sony Vegas?

Takehito Morokuzu - August 7, 2018, 3:53 am

Yeah an 8700k with a good cooler like that popular noctua one, overclocked will do the job perfectly. The 1080 should be more than enough

EDIT: Or maybe wait for the i7 9700k which i think is coming out soon.

Ralph - August 7, 2018, 9:02 am

(Aug 7, 2018 03:37 AM)Breeze26509 Wrote: [\[CITE\]](#) Does your brother use Adobe Premiere or Sony Vegas?

Well hes coming from Using Final cut, he just got very annoyed with apple all around so wants to change it up. I believe he said he would be using Premiere.

(Aug 7, 2018 03:53 AM)???? Wrote: [\[CITE\]](#) Yeah an 8700k with a good cooler like that popular noctua one, overclocked will do the job perfectly. The 1080 should be more than enough

EDIT: Or maybe wait for the i7 9700k which i think is coming out soon.

Yea that's more why I am asking here. I'm never certain when new things tend to come out, and if they are really worth waiting for. Also at a certain point if you're waiting for every new thing that releases, you will never be able to complete the build.

Oh Host Yeah Bud - August 7, 2018, 10:20 am

I just got done with a build 3 months ago for the same purpose. Video editing, streaming and gaming. I have a I7-8700k, msi GTX 1080, 32 GB ram, 1tb Samsung m.2, 10tb hybrid drive. It is a beast of a PC I can stream 1080p, record at the same time with no lag and when I want to render a video or do 3d rendering it does it all with not breaking a sweat.

Ralph - August 7, 2018, 12:03 pm

(Aug 7, 2018 10:20 AM)Unique Gaming Solutions Wrote: [\[CITE\]](#) I just got done with a build 3 months ago for the same purpose. Video editing, streaming and gaming. I have a I7-8700k, msi GTX 1080, 32 GB ram, 1tb Samsung m.2, 10tb hybrid drive. It is a beast of a PC I can stream 1080p, record at the same time with no lag and when I want to render a video or do 3d rendering it does it all with not

breaking a sweat.

Yea thats basically the plan with his. Its not going to be for streaming or recording gameplay really, its more for gaming+editing actual 4k drone footage and such. I think as of right now I'm thinking an 8700k with a nice noctua air cooler, MSI GTX 1080, 16GB of Ram to start just to see how it fairs, probably increase to 32GB within a few weeks.

Im not really sure what Mobo to go with or PSU unfortunately I figure any z370 should work fine.

Xycon - August 7, 2018, 12:38 pm

Honestly, more cores are better here. Threadripper would be far better for video editing.

Ralph - August 7, 2018, 1:19 pm

(Aug 7, 2018 12:38 PM)Xycon Wrote: [\[CITE\]](#) Honestly, more cores are better here. Threadripper would be far better for video editing.

Yea thats what I was thinking. But at the same time it isn't like editing is his full time job, more just like a hobby with a small amount of income on the side. Is there a huge difference if he goes thread ripper compared to the 8700k?

Breeze26509 - August 7, 2018, 1:22 pm

(Aug 7, 2018 12:38 PM)Xycon Wrote: [\[CITE\]](#) Honestly, more cores are better here. Threadripper would be far better for video editing.

Not in Adobe software.

1950x trades blows with the 8700k.

This is why I asked if OP's brother uses Premiere or Sony Vegas. If they used Sony Vegas, I would have no problem recommending Threadripper here.

@OP I will update this post with a build in about an hour or so.

ohxerxe - August 7, 2018, 1:23 pm

(Aug 7, 2018 01:19 PM)Lunchables Wrote: [\[CITE\]](#) Yea thats what I was thinking. But at the same time it isn't like editing is his full time job, more just like a hobby with a small amount of income on the side. Is there a huge difference if he goes thread ripper compared to the 8700k?

I would go with the Threadripper 1950X or something similar. Not too pricey for such a high end cpu. and with that budget you can fit in a 1080 maybe even ti. Honestly could be way under budget by the end of the build. Give me like 30 minutes as I am workign right now but ill try to come up with something on partpicker.

You Just Got Sarged - August 7, 2018, 1:25 pm

(Aug 7, 2018 12:38 PM)Xycon Wrote: [\[CITE\]](#) Honestly, more cores are better here. Threadripper would be far better for video editing.

I agree with Xycon. More cores would be FAAAR better....

ohxerxe - August 7, 2018, 1:29 pm

Okay so i am kinda wrong here havent really looked into the supporting Motherboards of the threadrippers but they are a little more expensive than I thought. Without storage though and other things this comes out to a VERY powerful machine within budget ish. Also this is with a Full ATX sized machine but I think he would really like this build <https://pcpartpicker.com/list/VDbBhy>

can cut things down here and there like the case and maybe noy 32gb of ram and could use the savings toward storage.

Breeze26509 - August 7, 2018, 1:58 pm

If editing isn't his full time job, then I honestly don't see the point in going with Threadripper...

[PCPartPicker part list](#) / [Price breakdown by merchant](#)

CPU: [Intel - Core i7-8700K 3.7GHz 6-Core Processor](#) (\$347.00 @ Amazon)
CPU Cooler: [NZXT - Kraken X62 Rev 2 98.2 CFM Liquid CPU Cooler](#) (\$147.89 @ OutletPC)
Motherboard: [Gigabyte - Z370 AORUS Gaming 3 \(rev. 1.0\) ATX LGA1151 Motherboard](#) (\$132.99 @ SuperBiiz)
Memory: [G.Skill - Ripjaws V Series 16GB \(2 x 8GB\) DDR4-3200 Memory](#) (\$149.99 @ Newegg)
Storage: [ADATA - XPG SX8200 960GB M.2-2280 Solid State Drive](#) (\$279.99 @ Amazon)
Storage: [Western Digital - BLACK SERIES 2TB 3.5" 7200RPM Internal Hard Drive](#) (\$110.90 @ OutletPC)
Video Card: [EVGA - GeForce GTX 1080 Ti 11GB iCX GAMING Video Card](#) (\$704.98 @ Newegg)
Case: [Lian-Li - PC-O11AIR ATX Full Tower Case](#) (\$129.99 @ Newegg)
Power Supply: [Rosewill - Capstone 650W 80+ Gold Certified Semi-Modular ATX Power Supply](#) (\$74.99 @ Amazon)
Total: \$2078.72
Prices include shipping, taxes, and discounts when available
Generated by PCPartPicker 2018-08-07 16:48 EDT-0400

Ralph - August 7, 2018, 5:29 pm

I mean, so I'd say threadripper as well, but is there really any point going with it seeing as editing isn't the main priority of the PC? It will certainly be there, but it's not really a full time job, so it's more of a hobby let's say.

I threw this together with some suggestions.

I think the storage is fair with 4TB on the Mechanical and almost 1TB on the NVME SSD. The 1080 Should be good enough for the games he plans on playing, and the 8700k is a good mixture of both Cores and gaming ability. He isn't looking to render a 4k video in record time or anything, more or less just want to make sure it can do it without the software crashing. Still have \$150ish to work with however that may just end up going into a decent secondary IPS monitor for previews.

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CPU Cooler: [Noctua - NH-D15 82.5 CFM CPU Cooler](#) (\$83.65 @ Newegg)
Motherboard: [Asus - ROG STRIX Z370-E GAMING ATX LGA1151 Motherboard](#) (\$197.99 @ Amazon)
Memory: [Corsair - Vengeance LPX 32GB \(2 x 16GB\) DDR4-3000 Memory](#) (\$330.98 @ Newegg)
Storage: [Kingston - A1000 960GB M.2-2280 Solid State Drive](#) (\$219.99 @ Amazon)
Storage: [Seagate - BarraCuda Pro 4TB 3.5" 7200RPM Internal Hard Drive](#) (\$168.98 @ Amazon)
Video Card: [EVGA - GeForce GTX 1080 8GB Superclocked Gaming ACX 3.0 Video Card](#) (\$474.98 @ Newegg)
Power Supply: [EVGA - SuperNOVA G2 750W 80+ Gold Certified Fully-Modular ATX Power Supply](#) (\$95.95 @ Amazon)
Other: Lian-Li PC-011 (\$129.99)
Total: \$2049.51
Prices include shipping, taxes, and discounts when available
Generated by PCPartPicker 2018-08-07 20:26 EDT-0400

Breeze26509 - August 7, 2018, 5:46 pm

(Aug 7, 2018 05:29 PM)Lunchables Wrote: [\[CITE\]](#) I mean, so I'd say threadripper as well, but is there

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1070ti is basically 1080 performance for not much more than a GTX 1070.

Adata SX8200 is about the same performance as the Samsung 960 EVO, at the same price as a 1TB 860 EVO.

750w is overkill.

32GB is definitely overkill if editing isn't the main priority (Even then, that depends on how complex his timeline gets). You could take my build, and add another 16GB kit later on if he really needs it, and switch out the drive for the 4TB.

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Power Supply: [Rosewill - Capstone 650W 80+ Gold Certified Semi-Modular ATX Power Supply](#) (\$74.99 @ Amazon)
Total: \$2091.81

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Generated by PCPartPicker 2018-08-07 20:53 EDT-0400

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I actually dont know how I skipped over your build originally, thats my bad.

Yea I really just went for 32GB of RAM because I truly have no idea what you need when it comes to rendering videos.

Regarding the 1080ti choice, I'm curious if its worth waiting to see anything regarding the 11xx or whatever, I heard something regarding August 30th? At the end of the day, if I sit and wait for every single part to get its next gen, he wont ever get a PC. Is it worth even waiting it out for a month? Or will it be like Reference model releases in September followed by everyone releasing their versions in the following months?

Just dont really want to spend the money on a 1080ti if waiting 1 more month could allow for a 11xx or whatever they will be calling it.

I will probably stick to the build you just posted as it seems to address all the concerns I have. RAM can always be increased after the fact.

Thanks!

Breeze26509 - August 8, 2018, 1:30 pm

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Thanks!

If you get an EVGA card, you can use their Step-Up program to get the newer card (You'd be able to go as high as the xx80 card because the xx80ti cards come out way later.

<https://www.evga.com/support/stepup/>

Generally speaking, the xx70 card is roughly the same performance as the last gen xx80ti card (970 = 780ti, 1070 = 980ti), so I wouldn't necessarily suggest you step up to the new xx70 card if you have a 1080ti.

At first it will be Founders Edition cards (reference) at first, and custom cards later.