

**Network interface:** Intel EXPI9301CTBLK 10/100/1000Mbps PCI-Express Network Adapter - OEM (\$45)



**Keyboard:** Corsair K55 RGB Gaming Keyboard (CH-9206015-NA) (\$70)



**Mouse:** Razer Naga Ergonomic MMO Gaming Mouse - Black (RZ01-01040100-R3U1) (\$110)

**Total Cost:** \$2900

**MEDIA PRODUCTION PC FROM PC PART PICKER**

**CPU Chip:** Intel - Core i7-8700K 3.7 GHz 6-Core Processor (\$479)



**Motherboard:** Asus - Prime Z370-A ATX LGA1151 Motherboard (\$218)



**RAM:** Corsair - Vengeance LPX 32 GB (4 x 8 GB) DDR4-3000 Memory (\$251)



**MEDIA PRODUCTION PC FROM CANADA COMPUTERS**

Most things are the same as PC Part Picker but these are the different things:

**Monitor:** LG 27UD58-B 27" ULTRA HD 4K MONITOR 3840X2160 IPS 16:9 5M GTG 2XHDMI VESA (\$489)



**HDD:** BarraCuda 4TB (\$379)



**Monitor:** SEIKI SE39UY04 39" 4K UHD LED HDTV (\$489)



**GPU:** Asus - GeForce GTX 1070 8 GB Founders Edition Video Card (\$400)



**GPU:** EVGA GeForce GTX 1070 SC Gaming ACX 3.0 8GB (08G-P4-6173-KR) 1594Mhz Base/ 1784 MHz Boost, 8008 Mhz Memory PCI-E 3.0 16x, (\$500)



**Total Cost:** \$3000

**Audio Card:** ASUS Xonar DG 5.1 Channels 24-bit 96KHz PCI Interface Sound Card (\$50)



**Speaker:** Audio engine A2+ (\$329)



**External Storage:** Seagate 1TB Backup Plus Slim Portable Drive (\$80)



# MEDIA PRODUCTION AND STREAMING COMPUTER

BY: HARJAP SAINI

## SPECIFICATIONS CONTINUED

The PC must also have a high definition and high-quality monitor as that will help in the video streaming and media playback. The best monitor would be the SEIKI SE39UY04 39" 4K UHD LED HDTV. A lot of footage and media needs to be stored and transferred from camera to PC or PC to PC and that is why the external storage must be portable and large. The perfect external storage would be the Seagate 1TB Backup Plus Slim Portable Drive. No major requirements are needed for network interface as most video editing happens on one computer. If there were several computers editing at the same time than the Intel EXPI9301CTBLK 10/100/1000Mbps PCI-Express Network Adapter - OEM would help link a LAN between those PCs. No printer technology is needed as no pictures/files will be needed to be printed and only video will be produced. The PC must have a mouse and a keyboard, as they are very helpful when video editing and a good mouse and keyboard will increase the efficiency of video production. The best mouse would be Razer Naga Chroma and the best keyboard would be Corsair Vengeance K70.



## SPECIFICATIONS OF A MEDIA PRODUCTION PC

A high-end GPU and a CPU is needed because rendering a video and editing it takes a lot of computing power. Best CPU choice would be the Intel i-9 and the best GPU would be the ASUS GeForce GTX 1070. For the same reasons as the GPU and CPU, the RAM needs to be better than the average home computer as RAM effects the power of the computer. An HDD with large storage capacity is needed as media files and stock footage will take up a lot of space. The perfect HDD would be the BarraCuda 8TB. For motherboards, it should be capable of expanding and adapting to different component as different media projects require different motherboards components like a bigger RAM. The motherboard that fits this criteria would be the Asus - Prime Z370-A ATX LGA1151 Motherboard. For audio, the PC must be able to playback audio with high quality as the PC will be used for Media streaming. The best audio speaker would be the Audio engine A2+ and the best audio card would be the ASUS Xonar DG 5.1 Channels 24-bit 96KHz PCI Interface Sound Card.

## WHAT IS A MEDIA PRODUCTION AND STREAMING COMPUTER

The task I was given was to create a dream machine for media production and video streaming. This means that the PC must be good at video editing and video playback. Most media production PCs are for big companies and corporations because media production is a big business, and this means that the budget for this pc will be big. Media production PCs are supposed to be fast and they must have a good CPU because video editing uses a lot of power. The monitors and the speakers of this type of PC must be good as when playing back the video, you must be able to video the video in high quality. The storage of this computer must also be big as footage will be stored in your PC and media files take up a lot of space.

