

Running Head: Devices Comparison

Devices Comparison

By

ITEC-3000: Internet Tools Technology

Melinda Doty

East Carolina University

Abstract

With the limited computer resource and equipment, accomplishing a regular task takes longer time and costs more. To facilitate the job performance in office, the supervisor requested the following tools.

1. A digital camera with at least 15 megapixels
2. A monitor with at least 19 inches and widescreen
3. A desktop
 - Processor: AMD Athlon or Pentium
 - RAM: 4 GB or higher
 - Hard Drive: 500 GB or higher
 - DVD read/write: Yes
 - OS: Windows 7 Operating System
 - Program: Most Recent Microsoft Office Professional
4. An color ink-jet printer for printing pictures

This paper will list and compare two primary devices for each required category. The report also includes the recommendation; the supervisor will make the final decision then contact the human resource department for specific order.

Digital Camera: Nikon D5100 vs Sony Cyber Shot DSC-HX200V

Both cameras have similar specifications, but Sony is recommended. First, Sony DSC-HX200V costs almost \$480, which is \$100 cheaper than Nikon D5100 with the price tag of \$600. Second, Sony camera has ability to take clearer shots than Nikon: Sony is 18.2 megapixels, and Nikon is 16.2 megapixels. Beside the price and better photo quality advantages, Sony DSC-HX200V includes optical and digital zoom in the package, while customer has to buy

separate lens with Nikon. However, Nikon supports a few more file formats than Sony such as NEF and MOV video files.

Nikon – D5100 16.2-Megapixel DSLR Camera



Sony – Cyber-shot DSC-HX200V 18.2-Megapixel Digital Camera



Figure 1: Nikon D5100 16.2 (BestBuy, 2012) Figure 2: Sony DSC-HX200V (BestBuy, 2012)

Monitor: Asus 21.5" Flat-Panel LED-LCD HD vs Acer 23" Flat-Panel TFT-LCD

Both monitors are only \$5 different: Asus for \$134.98 and Acer \$139.98, but Acer provides more options, one more input port, and better image. First, Acer is 1.5" bigger than Asus, and with a much higher contrast ratio of 80,000, Acer most likely to offer better image and video quality than Asus with only 1000 contrast ratio. Unfortunately, Acer monitor does not qualify with Energy Star. Energy Star supported devices consume less energy or power efficient. Based on the price tag, advantages, and disadvantages of each monitor, Acer 23" LCD is preferable.

Asus - 21.5" Widescreen Flat-Panel LED-LCD HD Monitor



Acer - 23" Flat-Panel TFT-LCD Monitor



Figure 3: Asus 21.5" LED-LCD (BestBuy, 2012) Figure 4: Acer 23" TFT-LCD (BestBuy, 2012)

Desktop: Asus Essentio vs Dell Inspiron

Asus Essentio and Dell Inspiron are \$15 different, so price is not the major comparison argument. Dell Inspiron is only \$15 more expensive than Asus, but build with more and better computer parts than Asus Essentio. First of all, Dell runs on Intel 2nd Generation Core i3 with 3 MB of cache memory which most likely to run faster than Asus running with AMD Athlon II X2 and only 1 MB cache memory. Second, Dell comes with bigger hard drive of 1 TB and built-in wireless LAN adapter. In case of Asus, user has to buy separate a wireless adapter if he or she wants to connect wireless connection. Thus, Dell Inspiron should be the better selection with just \$15 more.

Asus – Essentio Desktop – 4GB Memory –
750GB Hard Drive



Dell – Inspiron Desktop – 4GB Memory – 1TB
Hard Drive



Figure 5: Asus Essentio Desktop (BestBuy, 2012) Figure 6: Dell Inspiron Desktop (BestBuy, 2012)

Printer: Epson PictureMate vs HP Photosmart Plus B210A

A major difference between Epson PictureMate and HP Photosmart Plus is price. HP Photosmart Plus comes with a price tag of \$159.53 which is almost half cheaper than Epson PictureMate of \$299.99. Two primary advantages Epson has over HP are bigger memory and attached cartridge. Printers without cartridge like TV without power; this means users can do nothing with the printer. In case of HP printer, buyers have to purchase separate cartridges which may not be cheap. Moreover, HP printer offers better print quality and support wireless connection. Although the front price tag may scare the Epson potential

buyers, the same customers have to pay more for cartridge with HP Photosmart Plus. Hence, both printers stand on similar ground.

Epson - PictureMate Show Photo Printer and Digital Photo Frame



HP - Photosmart Plus B210A Inkjet Multifunction Printer



Figure 7: Epson PictureMate (BestBuy, 2012) Figure 8: HP Photosmart Plus B210A (BestBuy, 2012)

Microsoft Office Professional

The latest and greatest Microsoft Office is Microsoft Office Professional 2010. This office edition costs \$349.95 for one PC license or \$499.95 for up to two PCs license. MS Office Professional is not the only office program in the market. Users can find many free produces with the similar tools on the Internet, for example Open Office.



Figure 9: MS Office Professional 2010 (Microsoft 2012)

Conclusion

This paper is produced based on only a small portion of produces in the market and only the top two devices were selected for comparing. The writer's recommendation for each device is primarily due to the provided specification and his knowledge. The supervisor will make the final decision.

Reference

BestBuy (2012). COMPARE: Digital Cameras. Retrieved April 26, 2012, from

http://www.bestbuy.com/site/olspage.jsp?id=cat13504&type=page&pageIdentity=searchDriven&useProductString=true&productString=1218336884671*1218573506482&unProductString=1218271238372*1218335097455*1218433532934*1218555766785*121855766176*1218382978312*1218380520302*1218523177521*1218577513493*1218373615037*1218558350133*1218391169769*1218171770784&catId=

BestBuy (2012). COMPARE: Monitors. Retrieved April 26, 2012, from

http://www.bestbuy.com/site/olspage.jsp?id=cat13504&type=page&pageIdentity=searchDriven&useProductString=true&productString=1218277383660*1218206199696&unProductString=1218130472240*1218193383364*1218152021201*1201913867402*1218611405302*1218515265561*1218505327914*1218500933393*1218500946016*1218501064762*1218496159642*1218492488324*1218492365915&catId=

BestBuy (2012). COMPARE: PCs. Retrieved April 26, 2012, from

http://www.bestbuy.com/site/olspage.jsp?id=cat13504&type=page&pageIdentity=searchDriven&useProductString=true&productString=1218541285338*1218240385303&unProductString=1218429924902*1218429921286*1218429905451*1218463836566*1218429879977*1218536624954*1218429918696*1218475487853*1218429885126*1218456779134*1218500909306*1218428682204*1218509097618*1218536616750&catId=pcmcat212600050008

BestBuy (2012). COMPARE: Printers. Retrieved April 26, 2012, from

http://www.bestbuy.com/site/olspage.jsp?id=cat13504&type=page&pageIdentity=searchDriven&useProductString=true&productString=1218266960975*1218261476542&unPr

[oductString=1218247185946*1218141143534*1218084393796*1218084392176*1218084392755*1218617158067*1218525513675*1218525513322*1218525517330*1218468382506*1218456925882*1218424166059&catId=abcat0511006](http://www2.buyoffice.microsoft.com/usa/product.aspx?sku=10234442&cache=18224810&action=buy&culture=en-us)

Microsoft (2012). Microsoft Office Professional 2010. Retrieved April 27, 2012, from

<http://www2.buyoffice.microsoft.com/usa/product.aspx?sku=10234442&cache=18224810&action=buy&culture=en-us>