

Kinetic Imaging suggested Computer and Equipment list

Required:

- Computer
- Digital SLR camera with video capability
- External hard drive for backup (at least 2 terabyte suggested)
- Lacie, OWC Mercury, Western Digital to name a few
- Adobe Creative subscription [student rate](#)
- Over-the-ear studio headphones
- Sennheiser, Sony, Audio technica
- 64GB USB memory stick (thumb drive)
- 16GB SD card (SanDisk Extreme, PROU3 UHS-II or Lexar Professional 2000x U3 UHS-II)
- 64GB SD micro card (SanDisk Extreme, PROU3 UHS-II or Lexar Professional 2000x U3 UHS-II)

Recommended:

- Tripod
- Audio recording equipment (Zoom H4n)
- HDMI cord 6'-16'
- HDMI to thunderbolt or usb C adapter
- VGA to thunderbolt adapter (or C if your computer requires)
- If applicable: USB C adapter to USB
- projector or monitor for displaying work What computer to buy? Can be a MAC or PC, desktop or laptop with most up to date operating systems. Animation, Video and Sound classrooms have MAC computers; the 3D modeling and animation classroom uses PC computers (Dell), running Autodesk Maya.

RamTech provides computers specific to Kinetic imaging standards. They also provide a trade in option. <https://ramtech.lightspeedwebstore.com/so-arts-kinetic-imaging>

Computer specifications: – look at online system requirements for Adobe After Effects and Autodesk Maya <http://www.adobe.com/products/aftereffects/tech-specs.html>

- Intel Core i5 Processor (i7 processor suggested) AMD Phenom II processor (PC)
- 8 - 16 GB RAM or more (16GB recommended)
- Large capacity solid state hard drive (SSD) – 250 GB / more space has better performance
- Hard drive speed SATA 3, 7200 mps
- Graphics card is important- discrete graphics (not integrated)
- o look at software certified cards, online
- USB 3.0 ports
- OpenGL 2.0–capable system
- Adobe and Maya certified Open GL graphics card Software: (get student discount via Journeyed.com)
- Adobe Premiere (Final Cut X could be substituted but not taught in class)

- Adobe Creative Cloud (After Effects, Photoshop, Premiere) External hard drive: An external hard drive is a must! – 2 TB or more is recommended, and one that is portable. A second hard drive is recommended to backup your files. SD Cards:

- 16-32gb Class 10

- micro SD card 16-32gb class 10 Video Camera – A great source for purchasing camera and related equipment - B&H Photo and Video (bhphotovideo.com – go to Students/Educators tab at top, for student pricing.) look for something

that shoots 1920 x 1080p (Full HD) 1280 x 720p (HD), 640 x 480p (SD). consider 4k options with higher frame rate capturing.

Camera technology changes rapidly. It is recommended that you wait until entry into the department, use some of the cameras that are available for rental and talk with your instructors. The cameras listed below are DSLR cameras, which work on the animation stand as well as for video.

DSLR camera recommendations as of March 2021 (at bhphotovideo.com):

- Nikon D3500 (\$596 with 18-55mm lens)
- Canon Rebel SL3 (\$699 with 18-55mm lens)
- Canon Rebel T7 (\$449 with 18-55mm lens)
- Canon Rebel T6 (\$549 with 18-55mm lens & 75-300mm lens)
- Sony Alpha a6000 mirrorless camera 16-50mm lens (good for video) \$648
- Olympus OM-D E-M10 (\$749 with 14-42mm lens)

All of these can be purchased second hand to save on cost

Audio Recording Devices (at bhphotovideo.com)

- Zoom h4n pro (has xlr input capable \$209)
- Tascam DR-40 4-Track Handheld Digital Audio Recorder (xlr capable \$180)

information about Student Computer Initiative <http://www.vcu.edu/sci/>