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# PHOTOGRAMMETRY EQUIPMENT AND SOFTWARE

This document outlines the photogrammetry equipment and software in use at the Washington State University Libraries.

## CAMERAS

Nikon D750 DSLR Camera with AF-S 24-120mm f/4G ED VR Lens & Free Accessories

<https://www.adorama.com/inkd750k1b.html>

Available at [Adorama](#) for \$2296.95 (2017-05-10)

Most point-and-shoot cameras will work for a photogrammetry setup, as long as you are able to transfer the digital files to a computer. Make sure the camera shoots at 10 megapixels or above. A DSLR camera is best if you have the resources.

## LENSES

Nikon AF-S FX NIKKOR 50mm f/1.8G Lens

<http://www.nikonusa.com/en/nikon-products/product/camera-lenses/af-s-nikkor-50mm-f%252f1.8g.html>

Available at [Amazon](#) for \$216.95 (2017-05-10)

## TURNTABLE

Arqspin 24" Motorized Photography Turntable

<https://www.adorama.com/artt24110.html>

Available at [Adorama](#) for \$233.95 (2017-05-10)

## LIGHTING KIT

Linco Lincostore 2000 Watt Photo Studio Lighting Kit

<http://a.co/dn0uuSx>

Available at [Amazon](#) for \$249.99 (2017-05-10)

## TRIPOD

InnerTeck 70 Inches Professional Camera Tripod

<http://a.co/7Fd0ty8>

Available at [Amazon](#) for \$49.99 (2017-05-10)

## SOFTWARE

Digital Stewardship Curriculum  
Center for Digital Scholarship and Curation  
PO Box 645610, Pullman, WA 99164-5610  
<https://cdsc.libraries.wsu.edu/cdsc/>  
<https://sustainableheritagenetwork.org>

AGISOFT PhotoScan Pro License (Educational)

<http://www.agisoft.com/>

Available at [Agisoft](#) for \$549.00 (2017-05-10)

VisualSFM

<http://ccwu.me/vsfm/index.html>

Available [here](#) for free download (2017-05-10)

Meshlab

<http://www.meshlab.net/>

Available [here](#) for free download (2017-05-10)

Digicam Control

<http://digicamcontrol.com/>

Available [here](#) for free download (2017-05-10)

## **GENERAL SPECIFICATIONS FOR COMPUTERS**

- 500MB to 1TB internal HDD will be very helpful (having a smaller SSD Boot drive and a second internal 500MB to 1 TB would be ideal).
- Intel i5 or i7 CPU 8GB of RAM (recommended) USB 3.0 ports X1 (at least one recommended)

### **Sample computers that run Windows**

Computer: HP EliteDesk available at [CDW](#) \$987.99 (2015-10-13)

Monitors: HP EliteDisplay e241i available at [CDW](#) \$257.99 (2015-10-13)