

Macroalgal Herbarium Digitization Project

Imaging Station Specifications

1. Camera Equipment
 - Canon EOS 5D Mark III
 - Canon ACK-E6 AC adapter
 - Canon EF 50mm f/2.5 Compact Macro Lens
2. Light Box
 - MK Direct Photo ebox 1419 – **Ask for the “NYBG Modified” version. Also ask them to remove the 2 middle feet and not to install the camera arm.**

Contact:

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MK Digital Direct
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3. Copystand
 - Kaiser Copy Stand RS 1 with RA-1 Arm, 40"
4. Desktop (or laptop) computer
Recommended minimum: i7 processor, 8GB RAM, 1TB hard drive, Windows 7 or 8, 24 inch monitor.
5. Barcode Scanner
 - Honeywell Xenon 1900 2D Scanner USB kit
 - Scanner stand
6. External hard drive (2TB for backup)
7. Digital Transitions ColorGauge Nano Target
8. Adobe Lightroom 5.0 (requires Windows 7 or 8; educational licensing is available)
9. Velvetine Background Paper
10. ¼" Fender washer and flat washer

Macroalgal Herbarium Imaging Station

Canon EOS 5D Mark III Digital Camera (Body Only)	\$2,499.00
Canon Normal EF 50mm f/2.5 Compact Macro Autofocus Lens	\$299.00
Canon ACK-E6 AC Adapter Kit	119.00
Kaiser Copy Stand RS 1 with RA-1 Arm, 40" Column and 18 x 20" Baseboard	\$789.95
Manfrotto 3/8" + 1/4" Adapter Spigot	\$5.59
Manfrotto 066 Double Female Stud for Super Clamp	\$4.50
Honeywell Xenon 1900 2D Scanner USB kit	\$222.49
Honeywell Scanner stand	\$29.00
Hot Shoe Bubble Level	\$24.95
MK Direct Photo eBox	\$1,780.00
Desktop Computer (Windows 7 or 8, 1TB Drive, 8GB RAM, 24" Monitor)	\$1,000.00
Adobe Lightroom 5.0 (Education Version)	\$79.00
ColorGauge Nano Target	\$195.00
External hard drive (2TB)	\$117.88
Midnight Velvetine Background Paper	\$39.95
1/4" Fender Washer (Home Depot or hardware store)	\$0.25
1/4" Flat Washer (Home Depot or hardware store)	\$0.10
Total	\$7,205.66

Notes:

- 1) The total is a little higher than we budgeted. You can probably find a less expensive barcode reader and you might be able to find a computer for a little less.
- 2) On the other hand, if price is no object another option for a camera would be the new Nikon D810, which has higher resolution (36 MegaPixels) than the Canon (22 MegaPixels). The [Nikon D810 is \\$2995](#) B&H Photo. If you are thinking about buying the Nikon, you will also need the [Nikon AF-S Nikkor 50mm f/1.8G Lens](#), a [EP-5b connector](#), [EH-5b ac adapter](#) and [Nikon Camera Control Pro 2.0](#) software.
- 3) For an extra \$100, you can order the Kaiser RS-1 copy stand with an [RT-1 arm](#), which allows you to adjust the distance between the copy stand post and the camera. It also provides more secure attachment to the camera. If you get the RT-1 arm, you won't need the Manfrotto stud, the Manfrotto Spigot Adapter, or the fender and flat washers.