

Specifications for Camera and Workstation

We used the following equipment to digitize our manuscripts:

Hardware: Camera

BetterLight Super 8K-2 HS Digital Scan Back

Features:

- USB 2.0 model
- Up to 8000 x 10660 pixels (244 MB 48-bit RGB file).
- Resolution settings up to 12000 x 15990 pixels (549MB).

TTI (Tarsia Technical Industries) - Repro-Graphic Workstation 4060/Reflex 45ei

Specifications:

- 40" x 60" x 14" worktable with built-in vacuum; 72" column height; motorized camera elevation with variable speed remote control, lead screw driven; digital counter and camera mount.
- Camera: TTI Reflex 45ei with reflex viewer and bright screen ground glass. Camera accepts BetterLight Super 8K2 scanning back.
- Lens: Rodenstock Apo-Sironar Digital 90mm f/5.6 with Copal 0 shutter and mounted on a TTI lens board.
- IR filter: Fitted in front of lens. TTI lens plate rotates to best position lens f/stops.
- Lighting: Quartz halogen TTI-1200/2000A Lighting System: (8) lamp system, 4 lamps per side rated at 250 W -120V., 3200K Color Temperature with integral dichroic reflector and forced air cooling. Lights are fitted with Polarize filter frames and mounted on heavy duty Matthews light stand for additional flexibility.
- Vacuum pumps are hooked up to variable voltage transformers that control the amount of suction from zero to 100%. Lights and vacuum turn on/off via footswitches.
- TTI supplies magnetic corners and bars to help locate media, as well as a holster for resting ground glass or scanning back when not used
- Footprint: 120"W X 47"D X 90" H.

Hardware: Workstation

Workstation attached to camera and monitor:

Dell Precision 380 Mini-Tower: Intel Pentium 4 Processor 650, 3.40GHz, 2MB L2, 800MHz; Memory: 2GB, 522MHz, DDR2 SDRAM Memory; Graphics: 128MB PCIe x16 nVidia Quadro FX 1400, Dual Monitor DVI or VGA Capable

Monitor for this workstation: Lacie ElectronBlue 19" IV CRT Monitor Monitor Size 19 Viewable Size (inches) 18 Dot Pitch .25 mm Display Type slotted aperture grille Maximum Resolution 1920 x 1440 73Hz Screen Type Flat-Screen 110kHz

Image processing workstation: Apple G5:1.8GHz Single G5 8x SuperDrive Memory: 1GB

Software

Image editing software: Adobe Photoshop CS, Industry-standard image editing software.

Calibration software: PULSE ColorElite Standard with OPTIXR RGB Only (ID# 700-403)