

DCBA Prototyping Budget

March 28, 2013

- Imaging - \$2000
 - Low-cost fixed focus cameras (cellphone camera quality)
 - Pinhole cameras
 - CMOS arrays for the manufacture of prototype pinhole cameras
- Illumination - \$5000
 - Pico-projector
 - LEDs, laser-diodes
 - Optics
 - * Beamsplitters
 - * Lenses
 - * Gratings
 - * Filters
 - Piezoelectric Motors (altering projection direction)
 - DC motors with accurate optical encoders (spinning scan target)
- Embedded Processors - \$1000
 - Initial Arduino prototypes
 - Later with custom PCBs
- Materials - \$1000
 - Acrylic
 - Aluminum
 - Screws, nuts, etc.
 - Wiring, electrical components
- Construction Costs - \$1000
 - Ordering machined parts (e.g. grates)