

Lighting

No discussion of machine vision would be complete without an entire chapter on lighting. The fact is that any vision application will succeed or fail based on how well you are able to control the lighting. If you try to use ambient lighting, you will almost surely fail in your endeavor. It really is that simple.

Fortunately, there are ample resources on the internet that cover this important topic. A few of the better ones can be found at these URLs:

- Melles Griot: http://www.mellesgriot.com/products/machinevision/lif_1.htm
- Advanced Illumination:
<http://advill.com/uploads/downloads/A%20Practical%20Guide%20to%20Machine%20Vision%20Lighting.pdf>
- Edmund Scientific: <http://www.edmundoptics.com/techSupport/DisplayArticle.cfm?articleid=264>
- *Vision & Sensors Magazine*:
http://www.visionsensorsmag.com/CDA/Articles/Cover_Story/BNP_GUID_9-5-2006_A_10000000000000097315

Schematic

