**Stereoscopic Shutter Glasses**

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**Pi-Cell LCDs:** Dark when low voltage applied. Transparent when high voltage applied. When one LCD is transparent, the other one should be dark.

**Ray Tracer:** Dual camera, displays the image for the eye which LCD is transparent.

- **Shutter Glasses** switching on and off with 60Hz frequency
- **Ray tracer** displaying right and left image alternately with 60Hz frequency
- **Synchronization**
- **3D image**

**USB Bit Whacker:** Sends the oscillating signal to the glasses.

**PLL (Phase Locked Loop) Circuit:** Synchronizes the glasses with the computer monitor output.