

Re: Help with distance sensor...

Source: <http://sci.tech-archive.net/Archive/sci.electronics.design/2006-01/msg03897.html>

- *From:* Dirk Bruere at Neopax <dirk.bruere@xxxxxxxxxx>
 - *Date:* Sun, 22 Jan 2006 18:24:32 +0000
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Fred Bloggs wrote:

webber.tom@xxxxxxxxxx wrote:

I am an art student in London, and am looking for help with a project using a distance sensor...

I intend to show a small screen with images on, and want the images on the screen to change depending on the distance of the viewer to the screen.

The images will be of eyes looking at the screen, but the nearer the viewer is to the screen, the more the eyes will look away. By using a small screen, the viewer will be forced to get close to it in order to see what it is showing.

Any help would be greatly appreciated on i) types of motion/distance sensors, and ii) how I may be able to connect them to computer/DVD player so that the images shown will change depending on viewers' distance.

Any other ideas would be useful too - thank you! Tom

You probably want to go with a cheap hobby grade ultrasonic range finder and use a cheap serial interface to the the PC. The serious products are big bucks. Here is one listing:
<http://www.hobbyengineering.com/SectionS.html>

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-and an example product:

<http://info.hobbyengineering.com/specs/devantech-srf04-tech.pdf>

Maybe Maplin

<http://www.maplin.co.uk/Module.aspx?ModuleNo=46674&criteria=ultrasonic&doy=22m1>

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Dirk

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