

## Q: Light sensors for accurate timings, linking to PC

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*frank.hastings\_at\_gmail.com*

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Hello group,

I was wondering if one of you might be able to help me with the following.

Basically, I need to get accurate timings for the passage of a ball around a roulette wheel. These timings would then be processed on my PC.

I guess I would need several light sensors positioned around the wheel to measure the ball passing. As a rough guide, the ball is about 2cm in diameter and travels at about 3 m/s.

I would like to create an experimental setup pretty much like this one: <http://www.survtech.com.au/reports/rouletteCompDev.htm>

I have looked into using <http://www.phidgets.com/>, which looks like a very user-friendly platform, but the analog sensors are sampled at only 65 Hz, which I assume may be too low for my use.

Could someone point me at a ready-made experimental platform I could use for this?

Any help greatly appreciated.

Frank