

Re: Portable Generator of visual stimuli

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- *From:* mike <spamme0@xxxxxxxxxxxxxx>
 - *Date:* Sat, 10 Sep 2005 19:15:07 -0700
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Tom Biasi wrote:

"vasileiosh" <vasileios_at_ntlworld_dot_com@xxxxxxxx> wrote in message [news:KvGUe.387447\\$km5.342367@xx](mailto:news:KvGUe.387447$km5.342367@xx)

Hi all,
I want to built or purchase a device with the follwing specification:

Imagine a box 10x10x10cm,
with two medium sizes lamps on it one left one right, preferably
something that can be commercially available so it can be easily replaced.

I want these two lamps to light randomly for example Left/L/R/L/R/R
etc.
I want to be able to control maximum and minimum interval between the
light signal and the total number
of signals within a standard period of time, lets say two minutes.

I would like that to be powered by a 9V battery, again that standard
ones available.

How easy it is to make somthing like that and how much it will cost??
Any pointers to something similae

This device is going to be used in sport reflexes/reaction training.

Re: Portable Generator of visual stimuli

You are not asking for something that can not be constructed within reasonable price constraints.

If you mean by "9V battery", the standard MN1604 type then I would suggest using LEDs.

Maybe someone here will design it for you for free but I don't have the time.

Best Regards,

Tom

Give some thought to exactly what you mean when you say "random" then apply timing constraints to it.

I'd put a pair of LEDs on a glasses frame and power them from the serial or parallel port of your laptop. Program should be trivial.

Once you figure out what works and finalize your design, you can build it around a single-chip processor with almost no parts. The hard part is gonna be the user interface to change the parameters. Although you could hook it momentarily to a computer to set it up.

Trying to do it without some programmable part is gonna be tough.

Of course, if you change or relax your requirements, that should change.

mike

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Return address is VALID but some sites block emails with links. Delete this sig when replying.

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Wanted, PCMCIA SCSI Card for HP m820 CDRW.

FS 500MHz Tek DSOscilloscope TDS540 Make Offer

Wanted 12" LCD for Compaq Armada 7770MT.

Bunch of stuff For Sale and Wanted at the link below.

MAKE THE OBVIOUS CHANGES TO THE LINK

ht<removethis>tp://www.geocities.com/SiliconValley/Monitor/4710/

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