Materials List for:

Flying Insect Detection and Classification with Inexpensive Sensors

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Materials

Name	Company	Catalog Number	Comments
Audio recorder: ICD-PX312	Sony	4-267-065-11(2)	With a 8 GB microSD extra memory
Insectary	Lee's Aquarium & Pet Products.	20088 HerpHaven®, Large Rectangle	14 1/2" long x 8 3/4" wide x 9 3/4" high. Modified to house insects.
Laser line generator, 650 nm (red)	Apinex (www.apinex.com)	LN60-650	5 mW. This is a low powered laser, similar to a teacher's laser pointer
Photodiode array	VISHAY SEMICONDUCTOR TEFD4300 PIN PHOTODIODE, 650NM, 20DEG, T1	TEFD4300	We made a custom array of 15 of these photodiodes wired in parallel.
Analogue to digital convertor integrated circuit	Custom made in our lab		We made this item ourselves, but an easily available commercial product, Gino PCF8591 AD/DA Converter, provides the same functionality.

