Asus Xtion / Kinect + Raspberry Pi?

dave.snowdon   **Jul 21**

Hi Adrian

I was just wondering whether you've done or have plans to do anything with 3D depth cameras such as the Microsoft Kinect or the Asus Xtion (same chipset as the Kinect, works as a drop-in replacement).

It occurred to me that hooking up a Kinect or Xtion to a Raspberry Pi controlled robot could be a fun project.

I'd be interested to hear from anyone else doing stuff with the Kinect or compatible devices.

Adrian Chief PyImageSearcher   **Jul 21**

Great question. I personally don't have much experience in 3D or stereo vision. It's not something that personally interested me, and because of that, I haven't written any tutorials on it. That said, I do have an Xbox Kinect, but I haven't had enough time to start playing with it.

Any types of tutorials I would do in the 3D area would be very newbie oriented, because by definition, I don't have experience in that area.   **Jul 21**

In the future I would certainly *like* to do some intro tutorials on 3D and stereo vision, but right now I'm mainly focusing on deep learning and CNNs. The rest of 2016 and even part of 2017 will be dedicated to that. Once I get through mid-2017 I'll consider what it would take to create 3D/stereo vision tutorials.

KentChiu   **Jul 22**

Hi, Dave

I would suggest not use Raspberry Pi to handle the data from Kinect currently especially Kinect-2.

The main reason is the extremely large streaming data (bit rate). As my experience, to let Kinect-1 work properly, you will need a USB 3.0, which is only equipped by Ras-Pi 3 above.

3 / 3
Jul 22

If you are going to use Kinect-2, the specific chip-set of the USB 3.0 would be also required. [Check This]

Jul 22