

Installing OpenNI and Kinect support on Ubuntu 12.04

Install dependencies:

- 1 `sudo apt-get install git-core cmake freeglut3-dev pkg-config build-essential`
- 2 `libxmu-dev libxi-dev libusb-1.0-0-dev doxygen graphviz mono-complete`
- 3 `openjdk-7-jdk openjdk-7-jre`

Installing OpenNI and Kinect support on Ubuntu 12.04 32bit

1) from www.openni.org/Downloads/OpenNIModules.aspx download:

- OpenNI Binaries – unstable Ubuntu 12.04
- OpenNI Compliant Middleware Binaries – unstable Ubuntu 12.04

2) from <https://github.com/avin2/SensorKinect/zipball/unstable> get latest version

3) create kinect folder in your Home directory, unpack all three archives there and change their names for convenience – openni, sensorkin, nite.

4) Install all of those:

Install OpenNI

- 1 `cd ~/kinect/openni/`
- 2 `chmod a+x install.sh`
- 3 `sudo ./install.sh`

Install AVIN2

- 1 `cd`
- 2 `~/kinect/sensorkin/Platform/Linux/CreateRedist/`
- 3 `chmod a+x RedistMaker`
- 4 `sudo ./RedistMaker`
- 4 `cd ../Redist/Sensor-Bin-Linux-....(x86 or x64)`

The „Sensor-Bin-Linux-..“ directory name depends on the version.

- 1 `sudo chmod a+x install.sh`
- 2 `sudo ./install.sh`

Install NITE

- 1 `cd ~/kinect/nite/`
- 2 `chmod a+x install.sh`
- 3 `sudo ./install.sh`

Now all the OpenNI and NITE samples should work.

If „Failed to set USB interface“ error appears, try running:

- 1 `sudo rmmod gspca_kinect`

If that helps, its vital to make this change last by creating a blacklist file:

- 1 `cd /etc/modprobe.d`
- 2 `sudo touch blacklist-kinect.conf`

Into this file, a blacklist line has to be added. Open the file

- 1 `sudo gedit blacklist-kinect.conf`

And add the line:

- 1 `blacklist gspca_kinect`

