ADD VISION TO YOUR PI

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EmbeddedLance

SETTING UP YOUR RASPBERRY PI

Downloading raspbian

- Open raspberrypi.org in a browser
- Navigate to Downloads
- Download Raspbian(Debian Wheezy)
- Save it to your home directory

FORMATTING THE SD CARD

· Open a terminal and go to the download directory
· Un-compress the file by running
  $ unzip 2015-05-05-raspbian-wheezy.zip
· Check your SD Card
  $ sudo fdisk -l
· Copy the disk image to your SD card
  $ sudo dd if= /2015-05-05-raspbian-wheezy.img of=/dev/sdb bs=4M
· Insert the SD Card in a raspberry pi 2 board and connect it to your local router for internet

- Connect to your raspberry pi using ssh
  `$ ssh pi@raspberrypi`
- Update the linux installation
  `$ sudo apt-get update`
  `$ sudo apt-get upgrade`
- Configure the raspberry pi
  `$ sudo raspi-config`
- Select the option to Expand the Filesystem
- Reboot

You have now successfully setup the SD card for your raspberry pi :)