Installation of the B101 HDMI to CSI-2 converter on a Raspberry PI 2 Model B

AUVIDEA
audio video media

what you need

- Raspberry 2 Model B with power supply and micro SD card
- Auvidea B101 HDMI to CSI-2 converter
- 15 pin 1mm straight FFC cable
- HDMI source (1080p30[1])

preparing the Raspberry Pi

Connect the B101 to the Raspberry using a 15 pin FFC cable and plug in the HDMI source.

Download the Image Raspbian Jessie Lite, Kernel 4.1 from
https://www.raspberrypi.org/downloads/raspbian/

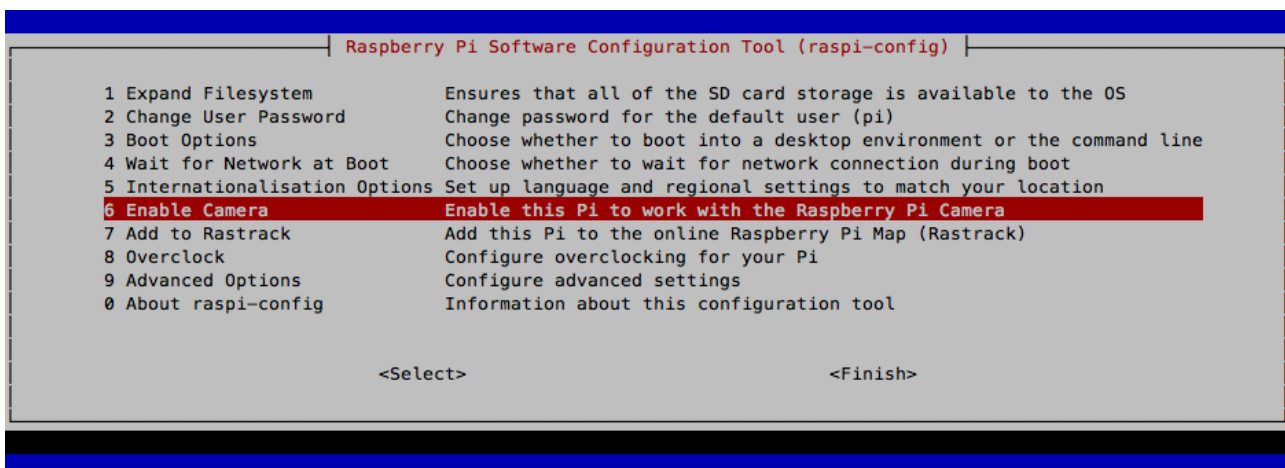Write the Image to the micro SD card, insert the micro SD card into the Raspberry PI and boot the system

enabling Raspicam support

In the Raspbian console type:
sudo apt-get update
sudo apt-get upgrade
sudo raspi-config
In this menu, enable the camera (6).
To test the setup, run *raspivid -t 0* to enable preview of the HDMI source using the HDMI output.

```
┤ Raspberry Pi Software Configuration Tool (raspi-config) ├

  1 Expand Filesystem           Ensures that all of the SD card storage is available to the OS
  2 Change User Password        Change password for the default user (pi)
  3 Boot Options                Choose whether to boot into a desktop environment or the command line
  4 Wait for Network at Boot    Choose whether to wait for network connection during boot
  5 Internationalisation Options Set up language and regional settings to match your location
  6 Enable Camera               Enable this Pi to work with the Raspberry Pi Camera
  7 Add to Rastrack             Add this Pi to the online Raspberry Pi Map (Rastrack)
  8 Overclock                   Configure overclocking for your Pi
  9 Advanced Options            Configure advanced settings
  0 About raspi-config          Information about this configuration tool


              <Select>                              <Finish>
```

Disclaimer: please use this installation guide at your own risk

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[1] only resolution supported as of Dec. 2015
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