Menggunakan Raspbery pi 3 untuk menjalankan OpenCV

27 November 2018 15:29

Raspberry pi 3

(https://www.raspberrypi.org/products/raspberry-pi-3-model-b-plus/)

Hardware:

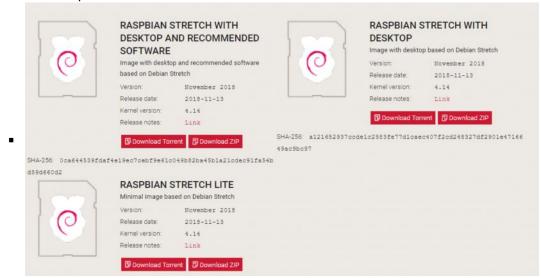
The Raspberry Pi 3 Model B+ is the latest product in the Raspberry Pi 3 range.

- Broadcom BCM2837B0, Cortex-A53 (ARMv8) 64-bit SoC @ 1.4GHz
- 1GB LPDDR2 SDRAM
- 2.4GHz and 5GHz IEEE 802.11.b/g/n/ac wireless LAN, Bluetooth 4.2, BLE
- Gigabit Ethernet over USB 2.0 (maximum throughput 300 Mbps)
- Extended 40-pin GPIO header (digital I/O)
- Full-size HDMI (display)
- 4 USB 2.0 ports
- CSI camera port for connecting a Raspberry Pi camera
- DSI display port for connecting a Raspberry Pi touchscreen display
- 4-pole stereo output and composite video port
- Micro SD port for loading your operating system and storing data (minimal 8GB)
- 5V/2.5A DC power input
- Power-over-Ethernet (PoE) support (requires separate PoE HAT)

From https://www.raspberrypi.org/products/raspberry-pi-3-model-b-plus/

SOFTWARE:

- Sistem operasi disimpan dalam Micro SD memeory, min 8 GB
- Jenis sistem operasi: Linux (Raspbian)
- > Instalasi:
 - Download: Raspbian



RASPBIAN STRETCH WITH DESKTOP AND RECOMMENDED SOFTWARE (sudah di lengkapi dengan beberpa aplikasi yang umum digunakan)

RASPBIAN STRETCH WITH DESKTOP (dilengkapi dengan GUI interface)

RASPBIAN STRETCH LITE (no GUI) tetapi ukura file image (backup file system) paling kecil

File yang sudah di download harus di ektrak : .zip -> .img (biasanya ukurannya akan menjadi 3 sampai 4x lebih besar)

Selanjutnya file *.img di tuliskan ke dalam Micro SD, dengan menggunakan software tools Etcher (https://ethcer.io) 66.9 MB