

Menggunakan Raspberry 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 memory, min 8 GB
- Jenis sistem operasi: Linux (Raspbian)
- Instalasi:
 - Download: Raspbian

The screenshot displays three software images available for download from the Raspberry Pi website. Each image is represented by a Raspberry Pi logo icon and a list of details.

Image Name	Version	Release date	Kernel version	Release notes	Download Links
RASPBIAN STRETCH WITH DESKTOP AND RECOMMENDED SOFTWARE	November 2018	2018-11-13	4.14	Link	Download Torrent Download ZIP
RASPBIAN STRETCH WITH DESKTOP	November 2018	2018-11-13	4.14	Link	Download Torrent Download ZIP
RASPBIAN STRETCH LITE	November 2018	2018-11-13	4.14	Link	Download Torrent Download ZIP

SHA-256: 0ca644539fda4e19ec7ceb29e61c049b52ba45b1a21cdec91fa54bd59d660d2

SHA-256: a121652937c0de1c2583fe77d1c0a0407f2cd248327df2901e4716649ac9bc97

RASPBIAN STRETCH WITH DESKTOP AND RECOMMENDED SOFTWARE (sudah di lengkapi dengan beberapa 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 ekstrak :

.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