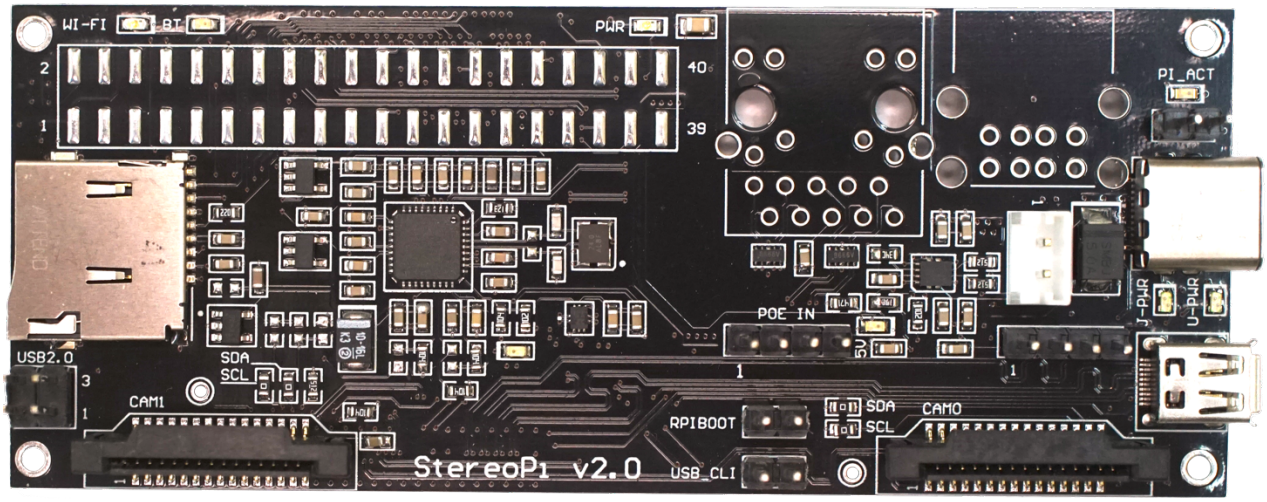
StereoPi v2 Slim Edition

Mouser PN: 392-STPI2-SLM-01



Brief Description

- StereoPi is a carrier board for a Raspberry Pi Compute Module 4.
- This is an open source stereoscopic camera based on Raspberry Pi. It can capture, save, livestream, and process real-time stereoscopic video and images. StereoPi opens up countless possibilities in robotics, AR/VR, computer vision, drone instrumentation, panoramic video, and more.

Features & Specifications

- **Raspberry Pi Compatibility:**
  - Raspberry Pi Compute Module 4, including:
  - – both wireless-equipped and no-wireless versions
  - – eMMC equipped and no eMMC editions
  - – 1, 2, 4, and 8 Gb RAM versions
- **Dimensions:**
  - width x length: 100 mm x 40 mm
  - height: 23 mm (standard edition) / 15 mm (slim edition)
- **Video:**
  - input: two 15-pin CSI-2 camera connectors
  - output: one micro HDMI
- **Camera Support:**
  - Raspberry Pi camera V1 (OV5647 sensor), V2 (Sony IMX 219 sensor), HQ (IMX477 sensor)
  - HDMI video capture module (single mode, on Toshiba TC358743XBG chip)
  - Other camera modules with additional drivers
- **Connectivity:**
  - ***Not*** populated on Slim version: GPIO 40-pin classic Raspberry Pi header
  - Populated 1 x USB pin header; ***not*** populated on Slim version: USB: 2 x USB Type-A,
  - ***Not*** populated on Slim version: Ethernet: RJ45 jack. Use ‘MagJack-A70-112-331N126’ or ‘LPJG0926HENL’ connectors (recommended by RPF for the CM4 compatibility).
- **Storage:**
  - microSD card slot (for non-eMMC versions of CM4)
- **Power:**
  - 5 V DC input via two-pin header
  - USB C power input
  - Power hot-swap support
  - PoE support with external shield
- **Software:**
  - Raspberry OS support “out of the box”
  - eMMC software upload support

Kit content:

1 x StereoPi v2 Slim board
2 x Short power cable (JST EHR 2 connector)
3 x Jumpers

Specific details

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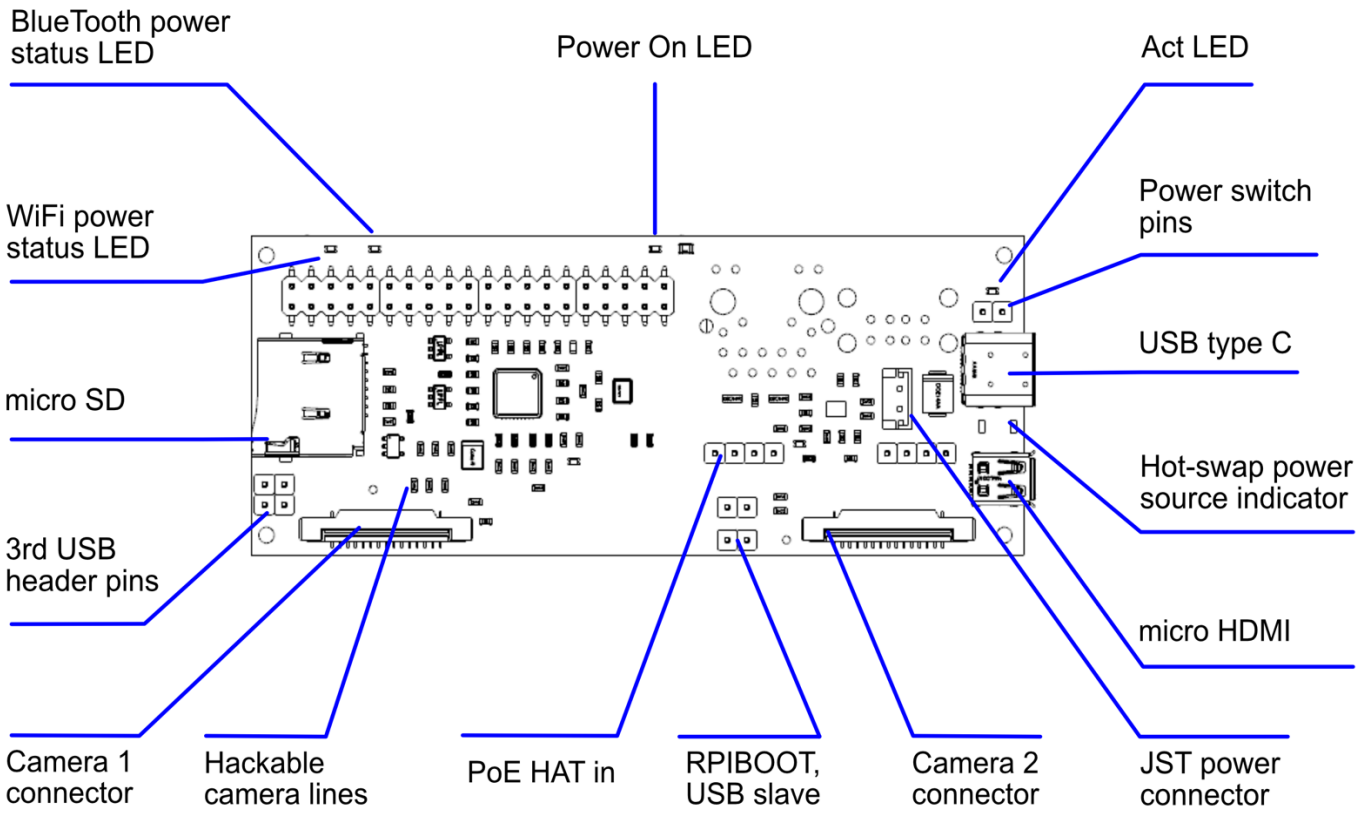

Additional information

StereoPi V2 SLim edition is **RoHS 3 Compliant**