# BOM

| ID | Descriptions | Link | Quantity |
| --- | --- | --- | --- |
| 1 | Waveshare Raspberry Pi 10.1inch HDMI LCD 1024x600 Capacitive Touch Screen with case for Raspberry Pi 2 3 Model B B+ &BeagleBone Black Support Raspbian Ubuntu with Video Input | <https://www.amazon.de/Waveshare-HDMI-LCD-kapazitiver-Videoeingang-schwarz/dp/B01CU7VX5Q?th=1> | 1 |
| 2 | Raspberry Pi 5 8GB |  | 1 |
| 3 | Raspberry Pi - M.2 HAT+ for Raspberry Pi 5 |  | 1 |
| 4 | Raspberry Pi - M.2 NVMe SSD, 256GB |  | 1 |
| 5 | RPi 5 HeatSink | DigiKey : ED-PI5PCOOLER | 1 |
| 6 | Microcontroller Teensy 4.1 |  | 1 |
| 7 | EAV (GSR) Sensor (op-Amp+ADC): | <https://de.aliexpress.com/i/1005005467354271.html> | 1 |
| 8 | Pigtailed NIR laser |  | 1 |
| 9 | Rod coated with TiN (titanium nitride) |  | 1 |
| 10 | RPi 4 40Pin Cable | <https://www.aliexpress.com/item/32391134102.html> | 1 |
| 11 | [Mini embedded power Supply AMS1117 3.3 V](https://www.ebay.de/itm/174942374246) | <https://www.ebay.de/itm/174942374246> | 1 |
| 12 | [TXS0108E 8 Channel Logic Level Converter 3.3V 5V](https://www.amazon.de/iHaospace-Kanal-Logikpegelwandler-bidirektionaler-High-Speed-Shifter-Raspberry/dp/B07PPR7T4D) | <https://www.amazon.de/iHaospace-Kanal-Logikpegelwandler-bidirektionaler-High-Speed-Shifter-Raspberry/dp/B07PPR7T4D> | 1 |
| 13 | [External power supplyULPS2250B 5x3.5x2](https://osaelectronics.com/get/psu/ulps2250a/OSA_ULPS22_Series.pdf) | <https://osaelectronics.com/get/psu/ulps2250a/OSA_ULPS22_Series.pdf> | 1 |
| 14 | [Laser module](https://docs.google.com/document/d/1MqGqb1aFIM1-N1ZOM7Ss83JZs3_pLmGg7GTBviUJvAc/edit?tab=t.0#heading=h.xip1sgqmfj4) with pig tail |  | 1 |
| 15 | [SMA Female](https://www.aliexpress.com/item/1005008696517200.html) | <https://ko.aliexpress.com/item/1005008696517200.html?gatewayAdapt=glo2kor> | 2 |
| 16 | [SMA Male](https://www.aliexpress.com/item/1005008696517200.html) | <https://ko.aliexpress.com/item/1005008696517200.html?gatewayAdapt=glo2kor> | 2 |
| 17 | [Banana EAV Female](https://de.aliexpress.com/item/1005009045131805.html) | <https://de.aliexpress.com/item/1005009045131805.html> | 2 |
| 18 | [Banana EAV Male](https://de.aliexpress.com/item/4000578573724.html) | <https://de.aliexpress.com/item/4000578573724.html> | 2 |
| 19 | [XT30 Power connector](https://de.aliexpress.com/item/1005006845627223.html) | <https://de.aliexpress.com/item/1005006845627223.html> | 2 |
| 20 | DC Panel Mount Connector | <https://www.adafruit.com/product/610?srsltid=AfmBOorUKJoqa8CR7OLRXw3Ly3FrvEVlPpW3_9mdJA_Tgz-H8zCP5Nlg> | 2 |
|  |  |  |  |