

# BOM

ID	Descriptions	Link	Quantity
1	Waveshare Raspberry Pi 10.1inch HDMI LCD 1024×600 Capacitive Touch Screen with case for Raspberry Pi 2 3 Model B B+ &BeagleBone Black Support Raspbian Ubuntu with Video Input	<a href="https://www.amazon.de/Waveshare-HDMI-LCD-kapazitiver-Videoeingang-schwarz/dp/B01CU7VX5Q?th=1">https://www.amazon.de/Waveshare-HDMI-LCD-kapazitiver-Videoeingang-schwarz/dp/B01CU7VX5Q?th=1</a>	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):	<a href="https://de.aliexpress.com/i/1005005467354271.html">https://de.aliexpress.com/i/1005005467354271.html</a>	1
8	Pigtailed NIR laser		1
9	Rod coated with TiN (titanium nitride)		1
10	RPi 4 40Pin Cable	<a href="https://www.aliexpress.com/item/32391134102.html">https://www.aliexpress.com/item/32391134102.html</a>	1
11	<u>Mini embedded power Supply. AMS1117 3.3 V</u>	<a href="https://www.ebay.de/itm/174942374246">https://www.ebay.de/itm/174942374246</a>	1
12	<u>TXS0108E 8 Channel Logic Level Converter 3.3V 5V</u>	<a href="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</a>	1
13	<u>External power supplyULPS2250B 5×3.5×2</u>	<a href="https://osaelectronics.com/get/psu/ulps2250a/OSA_ULPS22_Series.pdf">https://osaelectronics.com/get/psu/ulps2250a/OSA_ULPS22_Series.pdf</a>	1
14	<u>Laser module</u> with pig tail		1
15	<u>SMA Female</u>	<a href="https://ko.aliexpress.com/item/1005008696517200.html?gatewayAdapt=glo2kor">https://ko.aliexpress.com/item/1005008696517200.html?gatewayAdapt=glo2kor</a>	2

ID	Descriptions	Link	Quantity
16	<u>SMA Male</u>	<a href="https://ko.aliexpress.com/item/1005008696517200.html?gatewayAdapt=glo2kor">https://ko.aliexpress.com/item/1005008696517200.html?gatewayAdapt=glo2kor</a>	2
17	<u>Banana EAV Female</u>	<a href="https://de.aliexpress.com/item/1005009045131805.html">https://de.aliexpress.com/item/1005009045131805.html</a>	2
18	<u>Banana EAV Male</u>	<a href="https://de.aliexpress.com/item/4000578573724.html">https://de.aliexpress.com/item/4000578573724.html</a>	2
19	<u>XT30 Power connector</u>	<a href="https://de.aliexpress.com/item/1005006845627223.html">https://de.aliexpress.com/item/1005006845627223.html</a>	2
20	DC Panel Mount Connector	<a href="https://www.adafruit.com/product/610?srltid=AfmBOorUKJoga8CR7OLRXw3Ly3FrVpPpW3_9mdJA_Tgz-H8zCP5Nlg">https://www.adafruit.com/product/610?srltid=AfmBOorUKJoga8CR7OLRXw3Ly3FrVpPpW3_9mdJA_Tgz-H8zCP5Nlg</a>	2