## LWP BOM \$285:

Raspberry pi zero 2W #1 (\$15 at microcenter)

https://www.microcenter.com/product/643085/raspberry-pi-zero-2-w

PCA9685 board #2 (\$8.50, \$17 pack of 4)

https://www.amazon.com/dp/B08RN1S311?ref=ppx\_vo2ov\_dt\_b\_fed\_asin\_title&th=1

RPI camera module V2 #1 (\$13)

https://www.amazon.com/dp/B01ER2SKFS?ref=ppx\_yo2ov\_dt\_b\_fed\_asin\_title

Alternate RPI camera:

RPI camera module V3 wide angle #1 (\$35 at microcenter)

Arducam for Raspberry Pi Camera Module 3 Wide, 120°(D) IMX708 Autofocus Pi Camera V3, 15cm 15-22 Pin FFC Cable

Spool of PLA print filament #1 (\$14/spool)

https://www.amazon.com/dp/B07XG3RM58?ref=ppx\_yo2ov\_dt\_b\_fed\_asin\_title

Servo motors #20 (\$85, \$17 pack of 4)

https://www.amazon.com/dp/B07MFK266B?ref=ppx\_yo2ov\_dt\_b\_fed\_asin\_title&th=1

2000mAh batteries #10 (\$68 pack of 10)

https://www.amazon.com/dp/B08HQWXQ6Y?ref=ppx\_yo2ov\_dt\_b fed\_asin\_title&th=1

USB C BMS battery charger #6 (\$4, \$10 pack of 20)

https://www.amazon.com/dp/B0C2VD3ZW3?ref=ppx\_yo2ov\_dt\_b\_fed\_asin\_title&th=1

Boost converter 3.7V-5V/8V #7 (\$5, \$7 pack of 10)

https://www.amazon.com/dp/B089JYBF25?ref=ppx yo2ov dt b fed asin title&th=1

Rectifier diode #7 (\$5 for pack of 100)

https://www.amazon.com/dp/B071YWNBVM?ref=ppx yo2ov dt b fed asin title

Power Switch #1 (\$1, \$8 pack of 10)

https://www.amazon.com/dp/B07S2QJKTX?ref=ppx yo2ov dt b fed asin title

Battery connect wire #5 (\$3.50, \$7 pack of 10)

https://www.amazon.com/dp/B07NWD5NTN?ref=ppx yo2ov dt b fed asin title

Wires of various length 10-20-30cm (\$2, \$22 per pack)

<u>Multicolored Breadboard Jumper Wire Dupont Kit for Arduino, Raspberry Pi (120 Wires - 10CM - 4INCH)</u>: Amazon.com: Industrial & Scientific

Common Cathode RGB LEDs #6

Don't worry about these. I have enough.

Large Bearings 20x27x4mm #5 (\$13, \$11 pack of 4)

https://www.amazon.com/dp/B082PS5HHN?ref=ppx\_vo2ov\_dt\_b\_fed\_asin\_title&th=1

Small Bearings 6x17x6mm #15 (\$15, \$9 pack of 10)

https://www.amazon.com/dp/B07JJC9SFK?ref=ppx\_yo2ov\_dt\_b\_fed\_asin\_title&th=1

M2 screws #? (\$8/pack)

https://www.amazon.com/dp/B0D3X33XGB?ref=ppx\_vo2ov\_dt\_b\_fed\_asin\_title&th=1

M3 screws #? (\$8/pack)

https://www.amazon.com/dp/B0D3X7R5H2?ref=ppx\_vo2ov\_dt\_b\_fed\_asin\_title&th=1

M2 heat set inserts ~#100 (\$9 pack of 100)

https://www.amazon.com/dp/B0CS6XJSSL?ref=ppx yo2ov dt b fed asin title&th=1

M3 heat set inserts #10 (\$1, \$15 pack of various sizes)

https://www.amazon.com/dp/B0B8YWC454?ref=ppx\_vo2ov\_dt\_b\_fed\_asin\_title

20mm 5v Chassis Fan (\$5, \$10 pack of 2)

https://www.amazon.com/dp/B08MKP8P3S?ref=ppx\_vo2ov\_dt\_b\_fed\_asin\_title&th=1

Nylon paracord 3ft (\$5 50ft)

https://www.amazon.com/dp/B0BJGZ8VQC?ref=ppx yo2ov dt b fed asin title&th=1&psc=1