

Final Parts Used

Microcontroller

Raspberry Pi Zero 2W (non-soldered header version)

- **Cost:** \$19.05
- **Product ID:** 5291
- **Website:** [adafruit.com](https://www.adafruit.com)
- **Link:** <https://www.adafruit.com/product/5291>

Microphone

Adafruit I2S MEMS Microphone Breakout – SPH0645LM4H

- **Cost:** \$6.95
- **Product ID:** 3421
- **Website:** [adafruit.com](https://www.adafruit.com)
- **Link:** <https://www.adafruit.com/product/3421>

Camera

Zero Spy Camera for Raspberry Pi Zero – 160 Degree FOV

- **Cost:** \$24.95
- **Product ID:** 5390
- **Website:** adafruit.com
- **Link:** <https://www.adafruit.com/product/5390>

Battery

Lithium Ion Battery Pack – 3.7V 6600mAh

- **Cost:** \$24.50
- **Product ID:** 353
- **Website:** adafruit.com
- **Link:** <https://www.adafruit.com/product/353>

Power Module

PowerBoost 1000 Charger – Rechargeable 5V LiPo USB Boost @ 1A (1000C)

- **Cost:** \$19.95
- **Product ID:** 2465
- **Website:** adafruit.com
- **Link:** <https://www.adafruit.com/product/2465>

3-D printed Wearables

Glass frames

- Reference CAD Mode

Battery Case

- Reference CAD Model

Additional Materials Needed

- Type A to Micro-USB cable (short, around 3-6 inches)
- Type A to Micro-USB cable (2–3 feet, this is the cable that will be going from the glasses to the battery case, you could adjust the length as needed to fit each individual comfortably)
- Micro-USB charger to charge the device
- Clear Adhesive Squares

Price: \$0.95

Website [adafruit.com](https://www.adafruit.com)

Link: <https://www.adafruit.com/product/4813>

Product ID: 4813

- Electronics friendly glue
- Wires

- Soldering iron and solder