

BILL OF MATERIALS

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BOM

Component Name	Quantity	Buy Link (International)*
Raspberry Pi 4 Model B 1GB	2	https://www.amazon.com/Raspberry-Model-2019-Quad-Bluetooth/dp/B07TD43PDZ/
5V 3A Pi Power Supply	1	https://www.amazon.com/Raspberry-Power-Supply-USB-C-Listed/dp/B07W8XHMJZ/
32 GB Class 10 Micro SD card	1	https://www.amazon.com/SanDisk-Ultra-microSDXC-Memory-Adapter/dp/B073JWXGNT/
R Pi Cooling Case with Heat sink	1	https://www.amazon.com/iUniker-Raspberry-Aluminium-Heatsink-Supply/dp/B07D3S4KBK/
PIR Motion Sensors	2	https://www.amazon.com/Adafruit-LK-9180-SANV-FBACA-PIR-Motion-Sensor/dp/B00JOZTAC6/
5V 2 channel Relay Module	1	https://www.amazon.com/SMAKN%C2%AE-Active-%20Channel-Arduino-Raspberry/dp/B00VH8926C/
BMP180 Sensor	1	https://www.amazon.com/HiLetgo-Digital-Barometric-Pressure-Replace/dp/B01F527EXS/
16X2 I2C LCD	1	https://www.amazon.com/Interface-Characters-Display-Monitor-Compatible/dp/B07PFBDDYB/
MB102 Breadboard Power Supply	1	https://www.amazon.com/CorpCo-Breadboard-Supply-Arduino-Solderless/dp/B00ZO9YB1G/
Breadboard	1	https://www.amazon.com/Qunqi-point-Experiment-Breadboard-5-5%C3%978-2%C3%970-85cm/dp/B0135IQ0ZC/
Hookup and Jumper Wires**	1	https://www.amazon.com/EDGELEC-Breadboard-Optional-Assorted-Multicolored/dp/B07GD2BWPY/
Soldering Iron Kit	1	https://www.amazon.com/Soldering-Iron-Kit-Temperature-Desoldering/dp/B07S61WT16/

**Check with your domestic online electronic stores before ordering from global online stores. You might get the components more quickly if ordered from domestic sellers. Also, these links might render useless if the seller removes the item from the online shop.*

***These are cheaper when ordered in bulk, and you will be needing extra components for the later sections.*