

BILL OF MATERIALS

By Gireesh H



Bill of Materials

Component Name	Quantity	Purchase Link(International)*
Raspberry Pi 3, Model B, 1GB RAM	1	https://www.amazon.com/Raspberry-Pi-MS-004-00000024-Model-Board/dp/B01LPLPBS8/
5.1V 2.5A Power Supply	1	https://www.amazon.com/MUZOCT-Supply-Charger-Adapter-Raspberry/dp/B073JDFML5/
16 GB Micro SD card, class 10	1	https://www.amazon.com/Sandisk-Ultra-Micro-UHS-I-Adapter/dp/B073K14CVB/
Breadboard	1	https://www.amazon.com/Breadboards-Solderless-Breadboard-Distribution-Connecting/dp/B07DL13RZH/
Hook-up cables and Jumper **	1	https://www.amazon.com/GenBasic-Piece-Female-Jumper-Wires/dp/B077N5RLHN/
2-Channel Relay Module	1	https://www.amazon.com/SMAKN%C2%AE-ActiveChannel-Arduino-Raspberry/dp/B00VH8926C/
Sense HAT	1	https://www.amazon.com/RASPBERRY-PI-RASPBERRYPI-SENSEHAT-Raspberry-Orientation-Temperature/dp/B014HDG74S/
LED	2	https://www.amazon.com/eBoot-Pieces-Emitting-Diodes-Assorted/dp/B06XPV4CSH/
Beeper	2	https://www.amazon.com/BETAFPV-Terminals-Electronic-Continuous-12X9-5mm/dp/B073RH8TQK/
Resistors 1K	1	https://www.amazon.com/Watt-Carbon-Film-Resistors-pack/dp/B00EV2QC96/
7-segment Display	1	https://www.amazon.com/a13071500ux0900-Cathode-Segment-Display-Digital/dp/B00EZBGUMC/
External power supply board	1	https://www.amazon.com/HiLetgo-Supply-Module-Prototype-Breadboard/dp/B00HJ6AE72/
CFL lamp	1	https://www.amazon.com/Hydrofarm-Agrobrite-FLB125C-Compact-Fluorescent/dp/B019XS07A2/
Micro SD adapter	1	https://www.amazon.com/SanDisk-MicroSDHC-Adapter-Capacity-Packaged/dp/B0047921Q6
Touch Sensor	1	https://www.amazon.com/Gumps-grocery-Channel-Digital-Capacitive/dp/B07ZZ8YLGG/
USB Webcam	1	https://www.amazon.com/Webcam-Microphone-Compatible-Conferencing-Streaming/dp/B08H1KLP75/
Push-button	1	https://www.amazon.com/Momentary-Tactile-Button-Switch-Black/dp/B0796Q621R/
PIR Sensor	2	https://www.amazon.com/HC-SR501-Sensor-Infrared-Arduino-Raspberry/dp/B07KBWVJMP/

*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.