

---

## Raspberry Pi Ultimate Guide Course Hardware

### Raspberry Pi 3 Kit

- Raspberry Pi 3
- HDMI Cable
- Power Adapter
- Micro SD Card

### List of some Raspberry Pi 3 Kit Options

[https://www.amazon.com/CanaKit-Raspberry-Complete-Starter-Kit/dp/B01C6Q2GSY/ref=as\\_li\\_ss\\_tl?](https://www.amazon.com/CanaKit-Raspberry-Complete-Starter-Kit/dp/B01C6Q2GSY/ref=as_li_ss_tl?s=pc&ie=UTF8&qid=1495918207&sr=1-3&keywords=raspberry+pi+3+kit&linkCode=ll1&tag=arduinoipibake-20&linkId=2f4d42812ad183eabf3177eb2329020e)

[s=pc&ie=UTF8&qid=1495918207&sr=1-3&keywords=raspberry+pi+3+kit&linkCode=ll1&tag=arduinoipibake-20&linkId=2f4d42812ad183eabf3177eb2329020e](https://www.amazon.com/CanaKit-Raspberry-Complete-Starter-Kit/dp/B01C6Q2GSY/ref=as_li_ss_tl?s=pc&ie=UTF8&qid=1495918207&sr=1-3&keywords=raspberry+pi+3+kit&linkCode=ll1&tag=arduinoipibake-20&linkId=2f4d42812ad183eabf3177eb2329020e)

[https://www.amazon.com/dp/B01LWVVMUI/ref=as\\_li\\_ss\\_tl?](https://www.amazon.com/dp/B01LWVVMUI/ref=as_li_ss_tl?psc=1&linkCode=ll1&tag=arduinoipibake-20&linkId=619dd3e1a1daab389aa5a44dac22a276)

[psc=1&linkCode=ll1&tag=arduinoipibake-20&linkId=619dd3e1a1daab389aa5a44dac22a276](https://www.amazon.com/dp/B01LWVVMUI/ref=as_li_ss_tl?psc=1&linkCode=ll1&tag=arduinoipibake-20&linkId=619dd3e1a1daab389aa5a44dac22a276)

[https://www.amazon.com/Vilros-Raspberry-Complete-Starter-Clear/dp/B01CUMNIV8/ref=as\\_li\\_ss\\_tl?](https://www.amazon.com/Vilros-Raspberry-Complete-Starter-Clear/dp/B01CUMNIV8/ref=as_li_ss_tl?s=pc&ie=UTF8&qid=1495918207&sr=1-9&keywords=raspberry+pi+3+kit&linkCode=ll1&tag=arduinoipibake-20&linkId=d7707e5089e968470ced99ba7f0a5ff7)

[s=pc&ie=UTF8&qid=1495918207&sr=1-9&keywords=raspberry+pi+3+kit&linkCode=ll1&tag=arduinoipibake-20&linkId=d7707e5089e968470ced99ba7f0a5ff7](https://www.amazon.com/Vilros-Raspberry-Complete-Starter-Clear/dp/B01CUMNIV8/ref=as_li_ss_tl?s=pc&ie=UTF8&qid=1495918207&sr=1-9&keywords=raspberry+pi+3+kit&linkCode=ll1&tag=arduinoipibake-20&linkId=d7707e5089e968470ced99ba7f0a5ff7)

- Any USB Mouse
- Any USB Keyboard

---

## GPIO Projects

- LED
- 330  $\Omega$  resistor
- PIR Sensor
- Piezo Buzzer
- Push Button Switch
- Male-Female / Male-Male / Female-Female connecting wires

[https://www.amazon.com/Breadboard-Wires-Aoyoho-Multicolored-Jumper/dp/B01GK2Q4ZQ/ref=as\\_li\\_ss\\_tl?](https://www.amazon.com/Breadboard-Wires-Aoyoho-Multicolored-Jumper/dp/B01GK2Q4ZQ/ref=as_li_ss_tl?s=electronics&ie=UTF8&qid=1495919642&sr=1-2&keywords=male+to+female+connection+wire+for+arduino&linkCode=ll1&tag=arduinoipibake-20&linkId=dbeda9eebe19f78562f08862f1957f89)

[s=electronics&ie=UTF8&qid=1495919642&sr=1-2&keywords=male+to+female+connection+wire+for+arduino&linkCode=ll1&tag=arduinoipibake-20&linkId=dbeda9eebe19f78562f08862f1957f89](https://www.amazon.com/Breadboard-Wires-Aoyoho-Multicolored-Jumper/dp/B01GK2Q4ZQ/ref=as_li_ss_tl?s=electronics&ie=UTF8&qid=1495919642&sr=1-2&keywords=male+to+female+connection+wire+for+arduino&linkCode=ll1&tag=arduinoipibake-20&linkId=dbeda9eebe19f78562f08862f1957f89)

---

## Extras

- HDMI to VGA Cable if needed

[https://www.amazon.com/gp/product/B01IFPZC04/ref=as\\_li\\_ss\\_tl?portal-device-attributes=desktop&redirect=true&ref=pe\\_152810\\_135491720\\_em\\_1p\\_0\\_ti&pldnSite=1&linkCode=ll1&tag=arduinoipibake-20&linkId=ee3b29fa9ee15bac439d5f42eb6d7e2a](https://www.amazon.com/gp/product/B01IFPZC04/ref=as_li_ss_tl?portal-device-attributes=desktop&redirect=true&ref=pe_152810_135491720_em_1p_0_ti&pldnSite=1&linkCode=ll1&tag=arduinoipibake-20&linkId=ee3b29fa9ee15bac439d5f42eb6d7e2a)

- Logitech wireless keyboard/mouse combined

[https://www.amazon.com/Logitech-Wireless-Internet-Connected-Certified-Refurbished/dp/B01E0BUPW2/ref=as\\_li\\_ss\\_tl?s=electronics&ie=UTF8&qid=1519860292&sr=1-2-fkmr0&keywords=Logitech+Wireless+Touch+Keyboard+K400+with+Built-In+Multi-Touch+Touchpad,+Black&linkCode=ll1&tag=arduinoipibake-20&linkId=0125f795edd01dce3669f911b4dd7725](https://www.amazon.com/Logitech-Wireless-Internet-Connected-Certified-Refurbished/dp/B01E0BUPW2/ref=as_li_ss_tl?s=electronics&ie=UTF8&qid=1519860292&sr=1-2-fkmr0&keywords=Logitech+Wireless+Touch+Keyboard+K400+with+Built-In+Multi-Touch+Touchpad,+Black&linkCode=ll1&tag=arduinoipibake-20&linkId=0125f795edd01dce3669f911b4dd7725)

---

## Working with Cameras and Images

>> Either Webcam below will work

- **Logitech HD Pro Webcam C 920 1080p**

[https://www.amazon.com/Logitech-Widescreen-Calling-Recording-Desktop/dp/B006JH8T3S/ref=as\\_li\\_ss\\_tl?s=electronics&ie=UTF8&qid=1519860385&sr=1-3&keywords=logitech+webcam&linkCode=ll1&tag=arduinoipibake-20&linkId=8313399c0b859fa90f7e3374255579dc](https://www.amazon.com/Logitech-Widescreen-Calling-Recording-Desktop/dp/B006JH8T3S/ref=as_li_ss_tl?s=electronics&ie=UTF8&qid=1519860385&sr=1-3&keywords=logitech+webcam&linkCode=ll1&tag=arduinoipibake-20&linkId=8313399c0b859fa90f7e3374255579dc)

- **Logitech HD Webcam C 310 HD 720p**

[https://www.amazon.com/Logitech-960-000585-HD-Webcam-C310/dp/B003LVZO8S/ref=as\\_li\\_ss\\_tl?s=electronics&ie=UTF8&qid=1519860385&sr=1-8&keywords=logitech+webcam&linkCode=ll1&tag=arduinoipibake-20&linkId=4f37e40a34aadd2251175fa583ffa7f7](https://www.amazon.com/Logitech-960-000585-HD-Webcam-C310/dp/B003LVZO8S/ref=as_li_ss_tl?s=electronics&ie=UTF8&qid=1519860385&sr=1-8&keywords=logitech+webcam&linkCode=ll1&tag=arduinoipibake-20&linkId=4f37e40a34aadd2251175fa583ffa7f7)

- **Raspberry Pi Camera Module V2**

[https://www.amazon.com/Raspberry-Pi-Camera-Module-Megapixel/dp/B01ER2SKFS/ref=as\\_li\\_ss\\_tl?s=electronics&ie=UTF8&qid=1519860752&sr=1-3&keywords=raspberry+pi+camera+module&linkCode=ll1&tag=arduinoipibake-20&linkId=6039bbc9f996fdb471dfc63fee4aaeb8](https://www.amazon.com/Raspberry-Pi-Camera-Module-Megapixel/dp/B01ER2SKFS/ref=as_li_ss_tl?s=electronics&ie=UTF8&qid=1519860752&sr=1-3&keywords=raspberry+pi+camera+module&linkCode=ll1&tag=arduinoipibake-20&linkId=6039bbc9f996fdb471dfc63fee4aaeb8)

---

## Amazon Echo Clone Additional Hardware

- **Any speaker**
- **Any USB microphone**

- **Inexpensive USB Microphone**

[https://www.amazon.com/Sienoc-Microphone-Desktop-Studio-Recording/dp/B00XU1GHO4/ref=as\\_li\\_ss\\_tl?s=electronics&ie=UTF8&qid=1519860934&sr=1-3&keywords=usb+mini+microphone&linkCode=ll1&tag=arduinoipibake-20&linkId=37d13d1e1a96b022f7678623e4e17f37](https://www.amazon.com/Sienoc-Microphone-Desktop-Studio-Recording/dp/B00XU1GHO4/ref=as_li_ss_tl?s=electronics&ie=UTF8&qid=1519860934&sr=1-3&keywords=usb+mini+microphone&linkCode=ll1&tag=arduinoipibake-20&linkId=37d13d1e1a96b022f7678623e4e17f37)

[https://www.amazon.com/Kinobo-Microphone-Desktop-Recognition-Software/dp/B00IR8R7WQ/ref=as\\_li\\_ss\\_tl?s=electronics&ie=UTF8&qid=1519860995&sr=1-4&keywords=usb+mini+microphone&linkCode=ll1&tag=arduinoipibake-20&linkId=e2a74e59baffa235598021d80018dc7a](https://www.amazon.com/Kinobo-Microphone-Desktop-Recognition-Software/dp/B00IR8R7WQ/ref=as_li_ss_tl?s=electronics&ie=UTF8&qid=1519860995&sr=1-4&keywords=usb+mini+microphone&linkCode=ll1&tag=arduinoipibake-20&linkId=e2a74e59baffa235598021d80018dc7a)