**Preliminary requirements**

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| Name | Price | Qty | Link | Specification |
| Raspberry Pi Camera Module 2 | 400 rs | 3 | https://www.amazon.in/dp/B019WEUPP4/ref=sspa\_dk\_detail\_0?psc=1&pd\_rd\_i=B019WEUPP4&pd\_rd\_w=1LANf&pf\_rd\_p=4e9225d2-7473-4eb0-95d5-670190275218&pd\_rd\_wg=Eu20n&pf\_rd\_r=6WP7VH2ZRFG03962CF29&pd\_rd\_r=ac7e6b68-10d9-4597-a08f-3da7ca70e44b&smid=A30U359VFSJTKB&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEzRzlRSDNVU0hBM1JXJmVuY3J5cHRlZElkPUEwNjQ5ODIxSDlNVjcwMkw3RVRNJmVuY3J5cHRlZEFkSWQ9QTAzNzUyODQyRlo0QzhLSU9VSzYxJndpZGdldE5hbWU9c3BfZGV0YWlsJmFjdGlvbj1jbGlja1JlZGlyZWN0JmRvTm90TG9nQ2xpY2s9dHJ1ZQ== | The v2 Camera Module has a Sony IMX219 8-megapixel sensor (compared to the 5-megapixel OmniVision OV5647 sensor of the original camera). |
| 4 Pin 2mm JST Female with Wire | 15 | 7 | https://www.dnatechindia.com/4-pin-jst-ph-2-mm-female-relimate-connector.html?search=4%20pin%20jst | * Type: Female Connector * No of Pins: 4 * Pitch: 2.0 mm * Current Rating: 2 Ampere * Wire Length: 28 cm |
| D&V 12V 5A Dc Power Supply Ac Adaptor, Smps,SMPS for PC, LCD Monitor, TV, LED Strip, CCTV Power Adaptor | 380 | 2 | https://www.amazon.in/Power-Supply-Adaptor-Monitor-Strip/dp/B094CWLBF5/ref=sr\_1\_1?crid=1VBDUQTU3BWC3&keywords=12v+dc+adapter+5amp&qid=1641028215&sprefix=12v+dc+adapter%2Caps%2C834&sr=8-1 |  |
| 3pcs/Set 15 Pin 30cm 50cm 100cm FFC Ribbon Flexible Flat Cable for Raspberry Pi Module Camera | 710 | 1 | https://www.amazon.in/Ribbon-Flexible-Raspberry-Module-Camera/dp/B088TCBTM3/ref=sr\_1\_4?crid=2TI4SG6P0HT6M&keywords=pi+camera+flat+ribbon&qid=1641027690&sprefix=pi+camera+flat+ribbon%2Caps%2C365&sr=8-4 | * MATERIAL: The cable usually consists of a flat and flexible plastic film base, with multiple metallic conductors bonded to one surface. * GOOD FEATURE: High quality, soft, flexible and compact. It has a high flexibility and ultra-thin. * PARAMETER: 15 pin, 3 FFC cables per set in different length: 30cm, 50cm and 100cm, Weight: approx. 9g * USAGE: This cable is compatible the Raspberry Pi ribbon connectors when connecting a peripheral such as an external display, camera, or the AlienSpec Ribbon Connector Breakout Board. * SATISFACTION GUARANTEE: We care for every customers feeling.If this product does not meet or exceed your expectations,please send it back for a 100% refund no questions asked. * Warranty not applicable for this product |
| Raspberry Pi T-Cobbler Plus 40 Pin GPIO Breakout Board | 249 | 1 | https://www.amazon.in/REES52-Raspberry-GPIO-board-Pin/dp/B01L1FOF3K |  |
| FRC Cable With Female To Female 2.54mm Pitch Connector 12" Long | 275 | 1 | https://www.amazon.in/e4u-Cable-Female-2-54mm-Connector/dp/B08L9V15V3/ref=sr\_1\_2?crid=YWJ2L4VQHUL3&keywords=40+pin+cable&qid=1641025172&sprefix=40+pin+cab%2Caps%2C278&sr=8-2 |  |
| Pi2Grover - Grove Connector Interface for The Raspberry Pi | 3200 | 1 | https://www.desertcart.in/products/31752904-pi-2-grover-grove-connector-interface-for-the-raspberry-pi | * No software required. It just works! 15 Grove Connectors - 4 Grove I2C, 10 Grove Digital, 1 Grove Serial. Includes 3.3V to 5V bi-directional buffering Works Perfectly with the Grove 4 Channel 16 Bit ADC from SwitchDoc Labs On board status LEDS for Power and I2C. |
| Raspberry Pi Touch Display | 9500 | 1 | https://www.amazon.in/Raspberry-Pi-Touchscreen-Display-7-inch/dp/B0153R2A9I/ref=sr\_1\_1?crid=1VNMRHI6N6NOV&keywords=raspberry+pi+display&qid=1641027160&sprefix=raspberry+pi+display+%2Caps%2C423&sr=8-1 | * This touch screen display module is a 7inch display compatible for Raspberry Pi boards. * The viewable screen size of the 7inch display is 155mm x 86mm. * This touch screen display module for Raspberry Pi has a screen resolution of 800 x 480 pixels. * The type of touch used in the raspberry pi display is a 10 finger capacitive touch. * You can connect yur 7 inch display module to the Raspberry Pi by attaching the ribbon cable to the DSI port on the Raspberry Pi board. |
| I2C Multiplexer for the Raspberry Pi (RPI-I2C-HUB) | 1825 | 1 | https://www.tindie.com/products/land\_boards/i2c-multiplexer-for-the-raspberry-pi-rpi-i2c-hub/#specs | * I2C Hub / Repeater / Replicator / Multiplexer / De-multiplexer * PCA9544A IC * Controlled via I2C * Multiple part vendors * Devices with the same address can be attached to different ports * Host I2 port goes to Raspberry Pi I2C lines * 3.3V host operation * Four I2C slave ports * I2C ports can use the Raspberry Pi or have their own power (power source select jumper) * A Raspberry PI which runs 3.3V can control an I2C device which runs at 5V * Voltage translation between the ports * I2C ports can be 3.3V or 5V * Fits in any Raspberry Pi model * Cutout for Model B RCA video jack * Interrupt controller on each channel and host 100KHz/400KHz operation * On-board termination resistors |
| UG LAND INDIA 12V Relay Module for ARM PIC AVR MCU 5V Indicator Light LED 1 Channel Relay Module Works with Official Boards | 210 | 2 | https://www.amazon.in/UG-LAND-INDIA-Indicator-Official/dp/B07VJWXFQB/ref=sr\_1\_6?crid=3RHPV3Y1I7NBB&keywords=12v+relay&qid=1641027858&sprefix=12v+rela%2Caps%2C369&sr=8-6 | * The module complies with international safety standards, control area load area isolation groove; Genuine relay Songle; * With the power and relay action instructions, pull bright disconnect does not shine; * Blue KF301 terminals to the line of control is more convenient. * LED indicator light for power on and contacting status indication; * The control of the DC or AC signal, can control 220V AC load; There is a normally open and a normally closed contact; |
| 200psi 160 psi DC 12V 80W Micro Electric Diaphragm 2in1 High Pressure Dual Water Pump for RV Boat | ₹1,030.00 | 2 | https://www.amazon.in/160-psi-Electric-Diaphragm-Pressure/dp/B07N4WBSYK/ref=sr\_1\_2?dchild=1&keywords=12+Volt+Water+Pump&qid=1629395105&sr=8-2 | * Flow Rate: 9 LITRES PER MIN Adjustable Speed: Yes Power Supply: 12V Total Head: 6 m Multi-purpose: home use for garden sprinklers, shower, water taps in the boat, caravan or motor |
| Arducam Multi Camera Adapter Module V2.2 for Raspberry Pi 4 B, 3B+, Pi 3, Pi 2, Model A/B/B+, Work with 5MP OV5647 / 8MP IMX219 / 12MP IMX477 Cameras | 3800 | 1 | https://www.uctronics.com/arducam-multi-camera-adapter-module-v2-2-for-raspberry-pi-4-3b-3b-5mp-and-8mp-cameras-compatible-with-arducam-mipi-cameras.html | * Accommodate 4 Raspberry Pi cameras on a single RPi board * Support 5MP OV5647 / 8MP IMX219 / 12MP IMX477 camera for Raspberry Pi, no mixing allowed * Support Raspberry Pi Model A/B/B+, Pi 2 and Raspberry Pi 4, 3,3b+. * 3 GPIOs required for multiplexing * Cameras work in sequential, not simultaneously * Low resolution, low frame rate video surveillance demo with 4 cameras * High resolution still image photography demo |
| Total | 24105 |  |  |  |