**Table 2**. Commercially available parts for the open source dual axis Gimbal system

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Component** | **Quantity** | **Cost (USD)** | **Source/Link** |
|  |  |  |  |  |
| 1 | Bearing (Roller skates bearing: O.D = 21mm and I.D = 8mm) | 2 | 2.9 |  |
| 2 | 5V Stepper Motor and Driver | 2 | 5.6 | https://www.amazon.com/Elegoo-28BYJ-48-ULN2003-Stepper-Arduino/dp/B01CP18J4A |
| 3 | Adafruit Pro Trinket 5V Microcontroller | 1 | 9.95 | http://www.amazon.com/dp/B0131VM9I0/ref=biss\_dp\_t\_asn |
| 4 | 5/16” (or M8) screw 195mm | 2 | 2.8 | Hardware Store |
| 5 | 5/16” (or M8) nuts | 6 | 0.6 | Hardware Store |
| 6 | 5V DC Supply Adaptor | 1 | 10.99 | https://www.amazon.com/gp/product/B01ISM267G/ref=oh\_aui\_detailpage\_o06\_s00?ie=UTF8&psc=1 |
| 7 | 5.5mm Jack Connector Socket | 1 | 1.03 | http://www.amazon.com/uxcell-Terminals-2-1x5-5mm-Connectors-Socket/dp/B00CQMGWIO/ |
| 8 | M5 Socket Head Bolt 16mm | 4 | 0.48 | Hardware Store |
| 9 | M5 Steel Hex Nut | 4 | 0.07 | Hardware Store |
| 10 | M3 Heat Set Insert | 2 | 0.25 | Hardware Store |
| 11 | M3 Socket Head Screw | 2 | 0.14 | Hardware Store |
| 12 | 8” Cable Tie | 2 | 0.06 | Hardware Store |
|  | **Total** |  | **34.87** |  |