

SmartDen
Budget Plan

| Parts | Description |
|-------------------------------|---|
| Ranging Sensor | Transmitter and Reciever based, used to determine distance from the target object. |
| RGB Led | Red,Blue,Green LEDs. Produces over 16 million hues of light. |
| Quad Half H-Bridge | The SN754410 is a quadruple high-current half-H driver designed to provide bidirectional drive. |
| Arduino Uno | an open-source microcontroller board based on the Microchip ATmega328P microcontroller. |
| Temperature & Humidity Sensor | low-cost digital temperature and humidity sensor. |
| Total | \$4.88 |

| Reference Number | Unit Price (CAD) | Quantity | Supplier | Purchaser |
|----------------------|------------------|----------|-----------------------|--------------------|
| HC-SR04 | Owned | 1 | Amazon | Boswell Orendain |
| YSL-R596CR3G4B5C-C10 | \$2.58 | 1 | Micro Controller Shop | Sam Fatuga |
| SN754410 | \$2.30 | 1 | Texas Instruments | Hoang Phuc (Bobby) |
| R3 | Owned | | Amazon | Boswell Orendain |
| DHT-11 | Owned | | Amazon | Boswell Orendain |