| Category | Hardware | Part Number | Data Sheet & Info | Available |
|---|---|---|---|---|
| | | | | |
| Sensors | Camera module | Raspberry Pi - camera module v2.1 | https://www.raspberrypi.org/documentation/hardware/camera/ | |
| | Ultrasonic sensor | Grove - Ultrasonic Ranger | http://wiki.seeedstudio.com/Grove-Ultrasonic_Ranger/ | |
| | IMU | Adafruit - BNO055 | https://learn.adafruit.com/adafruit-bno055-absolute-orientation-sensor | |
| | | | | |
| Board | Jetson Nano | NVIDIA Jetson Nano - P3448 | https://developer.nvidia.com/embedded/jetson-nano-developer-kit | |
| | | | | |
| Actuator | Gearbox Motor | DC Gearbox Motor - "TT Motor" - 200RPM - 3 to 6VDC | https://www.adafruit.com/product/3777 | |
| | | | | |
| Other Electronics | I2C Motor Driver | Grove - I2C Motor Driver | http://wiki.seeedstudio.com/Grove-I2C_Motor_Driver_V1.3/ | |
| | I2C Hub | Grove - I2C Hub | http://wiki.seeedstudio.com/Grove-I2C_Hub/ | |
| | Step up converter | JOY-IT - XL6019 Step-UP Converter | http://anleitung.joy-it.net/wp-content/uploads/2018/09/SBC-XL6019-Datenblatt_27-09-18.pdf | |
| | | | | |
| Display | OLED Display | Grove OLED display 1.12" | http://wiki.seeedstudio.com/Grove-OLED_Display_1.12inch/ | |
| | LED Ring | NeoPixel Ring - 12 x 5050 RGB LED | https://www.adafruit.com/product/1643 | |
| | | | | |
| Accessories | Micro SD card with Jetson Nano Image | Intenso 64 GB Micro SD | - | |
| | Micro SD card adapter | - | - | |
| | WLAN USB Adapter | ASUS - USB-N10 NANO | https://www.asus.com/Networking/USBN10_NANO/HelpDesk_Download/ | |
| | Castor wheel mounted on base | - | - | |
| | Power Bank | Intenso Powerbank S10000 | - | |
| | | | | |
| Cables | Jumper - Female to Female | - | - | |
| | Jumper - Male to Female | - | - | |
| | Micro USB - USB cable | - | - | |
| | Camera extension cable | - | - | |
| | I2C 4 Pin Cable | - | - | |
| | | | | |
| 3D printed | Jetson Nano Case | - | - | |
| | Glass holder | - | - | |
| | Camera mount | - | - | |
| | Ultrasonic sensor mount | - | - | |