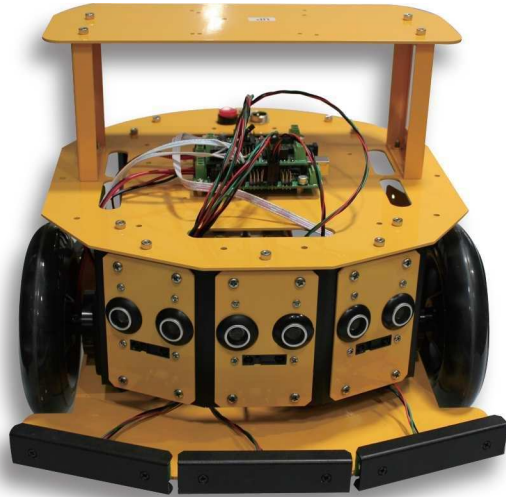


2WD mobile robot kit 10004



This robot kit provides an economical introduction to the world of robotics. It has 2 drive wheels and a freewheel. It includes a series of sensors making it aware of the surrounding: Sonar sensors to detect the obstructions, IR distance measure sensors used as a fall-arrest detector, bumper sensors to make it turn around while run into obstruction in its way. It is based on Arduino microcontroller. Its aluminum alloy body is firm enough to be mounted with extension equipments.



Aluminum alloy frame



Fall detect sensor



Ultrasonic sensor



IR sensor



Encoder



Programmable



Easily expand

Features:

- 2 wheels drive
- Aluminum alloy body
- IR sensors and ultrasonic sensors mounted as range finder
- Fall detect sensors equipped to avoid fall
- Bumper sensors to prevent collision
- Still spare mounts for sensors
- Easily expand with pre-drilled holes
- Second and third plates for extended components

Parts included:

- 135mm PU Wheel X 2
- Faulhaber 12V DC Coreless Motor X 2
- Arduino 328 ControllerX1
- Arduino IO Expansion X1
- Ultrasonic Range Finders X 3
- GP2Y0A21 Infrared Sensor X3
- Bumper Sensors X 3
- Fall Detect IR Sensors X 2
- 12V Ni-Mh BatteryX1
- 12V ChargerX1

