iSumoBot® 4W Drive Combat Mobile Robot


iNOVA MICROSYSTEMS
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Description

iSumoBot

iSumoBot® Soccer Robot System is a high-quality compact 2-axis robot designed for both **autonomous** and **RC remote control** capabilities.

- Full metal chassis
- **Twin** high power servo motor encoder
- 4 wheel drive
- **PID closed loop control** for speed and position
- **4 IR sensor** as floor boundary sensor
- **5 Ultrasonic sensor** to sense surrounding objects
- **One** RS-232 port
- **Bluetooth** communication
- **Arduino** compatible
- **iQu®** enabled with PC software
- **Competition** event in Singapore and Japan
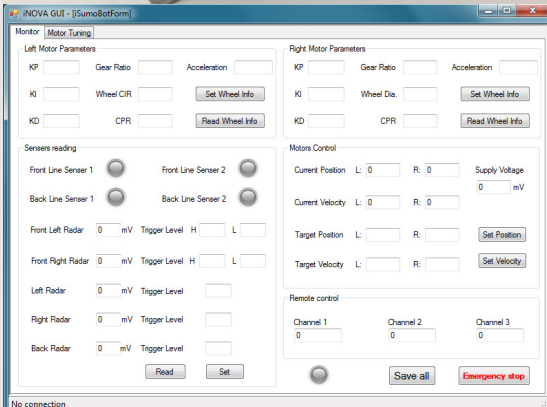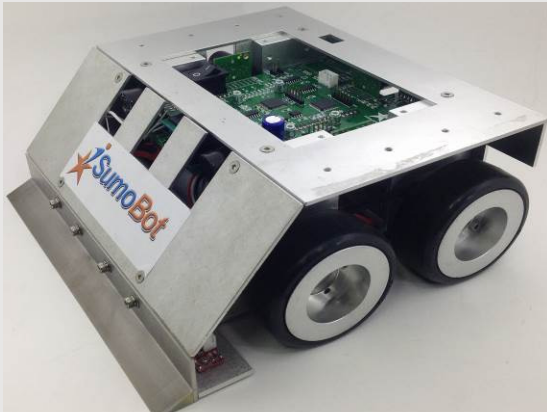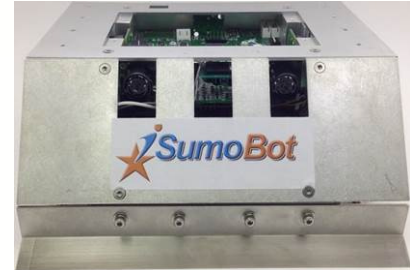
Autonomous mode during this mode, the robot can be programmed to perform the task automatically.

RC mode during this mode, user become the controller of the robot by using the standard RC remote controller.

iQu® is a robot control platform that allows
- Diagnose and control via PC software
- Access of I/O, sensors and motors
- Built-in robotic actions to perform tasks.

With **iQu®**, it can used as a general mobile robotic development platform.

Training

Training is conducted upon request. The topics including
- System operation and maintenance
- Introduction to **iQu®** platform
- Introduction to C programming for Microchip MCU
- Action programming for sumo robot