

NEW PRODUCTS

CONSUMER ROBOTS

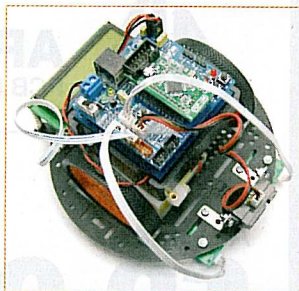
Robots and Range Finders

The following new items are available at RobotShop.

The Robonica Roboni-i Programmable Remote Controlled Robot is a smart robot full of personality. The robot's "moods" come from a number of user defined programs that allow it to adapt its behavior. The more you play with your Roboni-i, the more control it will allow you; leave it alone for too long and it can become annoyed. Roboni-i is a fully programmable remote controlled robot with sensors (RFID, distance, touch, and more) that make it aware of its environment and that enable it to interact with other robots and accessories. The unique wheel design uses two hoops to propel the robot. Connect it to your computer for online gaming or to create your own game using the many accessories included.



Experience Arduino programming features with the POP-BOT — the first of its kind in the range of INEX robots with its onboard Arduino Comprehensive MCU Board. This mobile robot combines sensors, a display module, and an Arduino microcontroller to allow programming of robot movements and intelligence. The kit comes complete with a USB-to-serial cable, light sensors, distance sensor, switch sensors, a 16x2 serial LCD, and more. Several mechanical parts for expansion of sensors are included.



Hokuyo scanning laser range finders are used in robotics for area scanning and localization of autonomous robots and automated material handling



systems (AMHS). This scanner is an ideal solution to get a 2D or 3D (mounted to a servo or stepper) to map an environment. The unit essentially acts as the "eyes" for mobile robots for path planning and obstacle detection in unknown environments and needs only 100 ms to scan 240 degrees. The unit is lightweight, compact (50 x 50 x 70 mm), accurately measures distances between 60 mm to 4 m, and operates on 5 VDC via the USB port.

For further information, please contact:

Robot Shop

Web: www.robotshop.com

DEVELOPMENT TOOLS

SchmartBoard Releases Parallax Propeller Board

SchmartBoard has now made available a development board for the Parallax Propeller chip. The Propeller chip makes it easy to rapidly develop embedded applications. Its eight processors (cogs) can operate simultaneously — either independently or cooperatively — sharing common resources through a central hub. The developer has full control over how and when each cog is employed. There is no compiler-driven or operating system-driven splitting of tasks among multiple cogs. A shared system clock keeps each cog on the same time reference, allowing for true deterministic timing and synchronization.

"We have wanted to work with Parallax in some capacity for a few years now because Parallax has a complimentary user base to SchmartBoard," says Neal Greenberg, SchmartBoard VP of sales and marketing. "Parallax wants more people to use the Propeller chip, while SchmartBoard wants more people to prototype with SchmartBoard when adding more circuitry to the Parallax system. I believe SchmartBoard, Parallax and most importantly, the user, benefit from this partnership."

The new Propeller board that SchmartBoard is offering will give the user an option previously not available — the ability to hand solder the components onto the board. Many people cannot hand solder surface mount components, however, SchmartBoard's "ez" technology makes it simple for anyone to solder.

For further information, please contact:

SchmartBoard

Web: www.schmartboard.com