ROBOTICS GROUP

REMOTE TELEPRESENCE ROBOTS

Wireless Rover

RGi-RTR4x4

RGi-RTR4x4-N in Rainforest Green

The RGi-RTR4x4 Wireless Rover is Robotics Group's lowest cost Remote Telepresence Robotics offering.

It is the marriage of a rugged aluminum chassis, four independant motor 4x4 wheel drive, advanced 802.11b/g WiFi based remote control system, high-resolution state-of-the-art wireless camera, standard lithium polymer batteries, and a sophisticated power management system.

Features:

- 802.11b/g control system allows easy integration to existing infrastructure - no custom radios needed.
- Exclusive SmartRoam® technology automatically attaches to the strongest access point signal.
- Secure AES-CCMP & TKIP 128-bit encrypted communication prevents the robot from being hijacked.
- Optional 802.15.4 ZigBee and long-range 900MHz radio options.
- Tough anodized 0.10in (2.5mm) thick aluminum clamshell chassis (13in x 14in x 5in).
- Four knobby tires for high-traction.
- Available in rainforest green, desert gold, and military black colors.
- Four high-power reduction-geared GH-12 motors.
- Independant power to each of the four wheels.
- Four-wheel drive with skid-steering for precise control.
- One standard 170-degree rotating Delrin® pan unit, or optional 300-degree high-resolution unit.
- High-quality video options: night vision camera; 220X zoom camera; standard fixed focus webcam.
- Expandable control system: compatible with both standard R/C servos and Dynamixel® AX12/DX servos.
- Infra-red and ultrasonic compatible sensor ports.
- Built-in routines can sweep and store sensor values.
- Three expansion ports for optional advanced sensors.
- High-power 11.1V/10AH lithium polymer batteries.
- Advanced power management allows sub-systems to be turned off to conserver power and increase runtime.
- Highly customizable easy-to-use control software.
- Compatible with standard USB Joystick/Gamepad controllers.

220x Zoom Camera | Night Vision Camera | Standard WiFi Webcam

RGi-AWC-1 Advanced Wireless Controller

RGi-DSCv3 Distributed Systems Controller

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