

WIRELESS ROVER RGI-RTR6x6-N



RGI-RTR6x6-NVC in Fire Engine Red

The RGI-RTR6x6 Wireless Rover is Robotics Group's latest Remote Telepresence Robotics offering.

It is the marriage of a rugged aluminum chassis, powerful belt-driven 6x6 wheel drive, advanced 802.11b/g WiFi based remote control system, high-resolution state-of-the-art wireless camera options, leading-edge 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 powder-coated 0.10in (2.5mm) thick aluminum clam-shell chassis (14.0in x 15.0in x 5.5in).
- Chip-resistant crinkle finish on the chassis underside.
- Available in bright high-contrast distinct yellow and fire engine red, and military black colors.
- Two high-power reduction-g geared RS-540 motors.
- Smooth belt-drive synchronizes power to the wheels.
- Six-wheel drive with skid-steering for precise control.
- Two smooth 300-degree rotating Delrin® pan units, one for a camera, the other for an optional manipulator.
- 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.
- Super-lightweight high-power lithium polymer batteries.
- Advanced power management allows sub-systems to be turned off to conserve power and increase runtime.
- Highly customizable easy-to-use control software.
- Compatible with standard USB Joystick/Gamepad controllers.



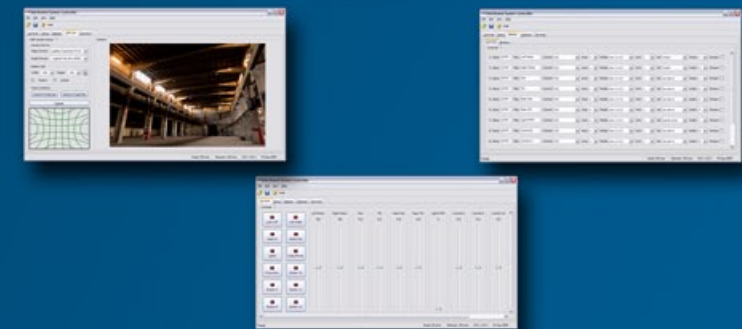
220x Zoom
Camera

Night Vision
Camera

Standard WiFi
Webcam



RGI-AWC-1 Advanced Wireless Controller



RGI-DSCv3 Distributed Systems Controller