



RP *Strike-R*TM *RAPTOR*

variant Can-Am CommanderTM/LSA Autonomy Robotic Control



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Bringing more **ASSETS** to the fight!

RP Strike-RTM RAPTER

variant **Can-Am CommanderTM/LSA Autonomy Robotic Control**



The **RP Strike-R RAPTER** is a high mobility off-road robotic platform. Aimed at the commercial and military markets for unmanned and optionally manned vehicles, the Strike-R derives its heritage from the field proven RPAMS Commander and the LSA Autonomy RAP.

The integrated vehicle offers the following unique advantages:

- Proven Durability and Off-Road Performance
- All Electric Silent Operation
- Fail-Safe Remote Operation
- Ease of Use
- Low Cost

The Strike-R provides an open communication interface and enables remote operation from virtually any computing device (smart phone, tablet, laptop and desktop). The intuitive operator interface provides for touch, gamepad and joystick input. Modes of operation include direct throttle, brake, and steering actuation; speed control with rollover prevention; and single waypoint control with geo-fencing.



About LSA Autonomy

Land Sea Air Autonomy LLC, is dedicated to providing affordable autonomous solutions. We focus on developing innovative solutions to our customer's needs that are both technically sound and cost effective.

Our core competencies are:

- Robotics and Autonomy Applications
- Embedded Real-Time Control Systems
- Sensor Processing and Data Fusion

LSA Autonomy integrates vehicles and sensors with our own hardware designs and software components. The resulting systems are based on modular, open system architecture designs that are both adaptable and platform agnostic. LSA Autonomy leverages COTS computers and sensor, where possible, to effectively manage lifecycle costs without sacrificing performance, to include reliability, maintainability and availability.

Capabilities

The Strike-R robotic electric vehicle provides identical performance in both manned and unmanned modes.

These performance capabilities include:

- Speed: 25 mph / 40 km/h (programmable for higher speeds)
- Range: 100 miles / 160 km (range extender options available through battery configuration)
- Payload: 1000 lb / 450 kg
- Zero Emissions
- One Touch Manned/Unmanned Conversion
- JAUS Interface
- Flexible Chassis and Payload Configurations

Upgrades

The remote operation component of the Strike-R is derived from the LSA Autonomy Robotic Autonomous Platform (RAP). Due to this heritage, a number of upgrades can be added to the system to enable semi-autonomous and full autonomous operation.

These upgrades include:

- High Accuracy Navigation
- Waypoint Route Execution
- Collision Detection and Avoidance
- Automated Evasive Maneuvering
- Reconnaissance, Surveillance and Target Acquisition (RSTA) integrated payload suite

Missions

Fundamentally built as an optionally manned/remotely operated light tactical off-road vehicle, the Strike-R is ideally suited for many missions, including:

- Remote Intelligence, Surveillance and Reconnaissance (ISR)
- Chemical, Biological, Radiological and Nuclear (CBNR) inspection
- Soldier Support/Leader Follower/MULE
- Force Clearance/Counter IED
- Force Protection
- Target Drone

INFORMATION & DEALER INQUIRIES

Terry Wilmeth 971-237-3217, Jim Baynes 503-348-7950 or CustomerService@RPAMS.com



RP Advanced Mobile Systems

Veteran and Minority Owned Business

11160 SW Durham Lane, Suite 3 | McMinnville, Oregon 97128 | phone: 503-434-9446 | fax: 503-217-6080

www.RPAMS.com

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