

JACKAL™

UNMANNED GROUND VEHICLE



DIMENSIONS L x W x H	508 x 430 x 250 mm 20 x 17 x 10 in	OPERATING TIME	2 hrs maximum 8 hrs typical	COMMUNICATION	Ethernet, USB 3.0, RS232, IEEE 1394 avail.
WEIGHT	17 kg 37 lb	DRIVE POWER	500 W	DRIVERS/APIs	Packaged with ROS, Mathworks
PAYLOAD A: all terrain; B: maximum	A: 10 kg / 22 lb B: 20 kg / 44 lb	BATTERY	270 Watt hours Lithium Ion	CONTROL MODES	Open-loop Wheel Velocity Kinematic Commands
MAXIMUM SPEED	2.0 m/s 6.6 ft/s	ENCODERS	78,000 pulses/m Quadrature	FEEDBACK	Battery+Motor Current Wheel Velocity Integrated GPS, Gyroscope and Accelerometer
CLEARANCE	65 mm 2.6 in	USER POWER	5V @ 5A 12V @ 10A Vbat (24V Norm) @ 20A		

SAMPLE APPLICATIONS

MULTI-ROBOT SYSTEMS



Jackal is engineered with a **scalable and open architecture** making it the ideal platform for testing and developing multi-robot systems.

PERCEPTION & NAVIGATION



Get your research rolling faster with **camera, GPS and laser packages**, all of which include documented libraries and programming examples.

LAB TEACHING TOOL



Jackal is **lightweight, compact and easy to program** - the perfect platform to help build courseware that students will be excited about!

ENVIRONMENTAL MONITORING



Configure Jackal for **teleoperation or autonomy in outdoor applications**. The weatherproof, rugged chassis makes it ideal for environmental monitoring.

CONTACT US FOR MORE INFORMATION

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