

# HUSKY™

## UNMANNED GROUND VEHICLE



**RUGGED ALL-TERRAIN  
PERFORMANCE IN AN  
EASY-TO-USE PACKAGE.**

### ENGINEERED FOR THE GREAT OUTDOORS.

Husky is engineered to thrive in harsh outdoor environments. With a powerful 4x4 zero-maintenance drivetrain, rugged all-terrain tires and class-leading ground clearance, Husky will take your field robotics to new extremes.

### BUILT UPON INDUSTRY TRUSTED SOFTWARE.

Using Husky to program complex autonomous systems is simple with open-source Robot Operating System (ROS) or National Instruments LabVIEW Robotics. Rich demos and tutorials are provided to help you get started quickly and hassle-free.

### DESIGNED FOR RAPID CUSTOMIZATION.

When research changes, so should your hardware. Making changes to Husky in a snap with flexible payload mounting, easy to access 5/12/24V power and reconfigurable I/O. Mobile robot prototyping has never been faster or easier.

#### A FEW OF THE INNOVATIVE FIRMS WHO USE OUR ROBOTS



Contact us today for pricing and a free 30 minute technical assessment: 1-800-301-3863

# TECHNICAL SPECIFICATIONS



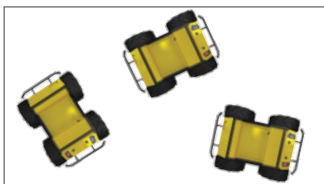
<b>DIMENSIONS</b> L x W x H	990x670x390 mm 39x26.4x14.6 in
<b>WEIGHT</b>	50 kg 110 lbs
<b>PAYLOAD</b> A: All-terrain; B: Maximum	A: 20 kg / 44 lbs B: 75 kg / 165 lbs
<b>MAXIMUM SPEED</b>	1.0 m/s 3.3 ft/s
<b>CLEARANCE</b>	130 mm 5 in

<b>OPERATING TIME</b>	3 hrs typ 8 hrs max
<b>DRIVE POWER</b>	1000 W peak 400 W continuous
<b>BATTERY</b>	24V 20 Ah Sealed Lead Acid
<b>USER POWER</b>	5V / 12V / 24V FUSED @ 5A each
<b>COMMUNICATION</b>	RS-232 115200 BAUD

<b>ENCODERS</b>	78,000 pulses/mm QUADRATURE
<b>FEEDBACK</b>	BATTERY STATUS ODOMETRY
<b>CONTROL MODES</b>	DIRECT VOLTAGE VELOCITY WHEEL SPEED TORQUE
<b>DRIVERS/APIs</b>	ROS MOOS-IvP LabVIEW Python

## SAMPLE APPLICATIONS

### MULTI-ROBOT SYSTEMS



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

### PERCEPTION & NAVIGATION



Improve state estimation with tunable vehicle control parameters, high-resolution wheel odometry and full power system diagnostics.

### MOBILE MANIPULATION



Husky can easily **interface with** many small industrial **manipulators** for tele-operated or autonomous manipulation tasks.

### TELE-OPERATION



Husky comes ready for tele-operation **out-of-the-box**. Plug in your favourite wireless joystick and get started on day one.

## CONTACT US FOR MORE INFORMATION

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