

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 the open-source Robot Operating System (ROS). Rich demos and tutorials are provided to help you get started quickly and hassle-free.

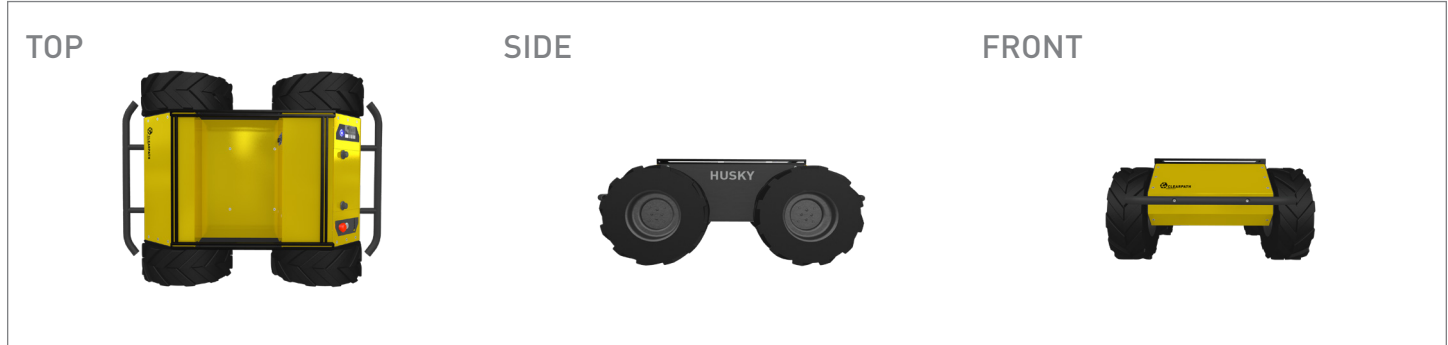
DESIGNED FOR RAPID CUSTOMIZATION

When research changes, so should your hardware. Make changes to Husky quickly and easily 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



TECHNICAL SPECIFICATIONS



DIMENSIONS L x W x H	990 x 670 x 390 mm (39 x 26.4 x 14.6 in)	OPERATING TIME	3 hrs typ 8 hrs max	ENCODERS	78,000 pulses/mm Quadrature
WEIGHT	50 kg (110 lbs)	DRIVE POWER	1000 W Peak 400 W continuous	FEEDBACK	Battery Status Odometry
PAYLOAD A: all terrain; B: maximum	A: 20 kg (44 lbs) B: 75 kg (165 lbs)	BATTERY	A: 24 V 20 Ah Lithium Ion available	CONTROL MODES	Direct Voltage Velocity Wheel Speed Torque
MAXIMUM SPEED	1.0 m/s (2.3 mph)	USER POWER	5 V / 12V / 24V Fused @ 5A each	DRIVERS/ APIs	ROS Kinetic C++ Library Mathworks
CLEARANCE	130 mm (5 in)	COMMUNICATION	RS -232 115200 BAUD		

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.