

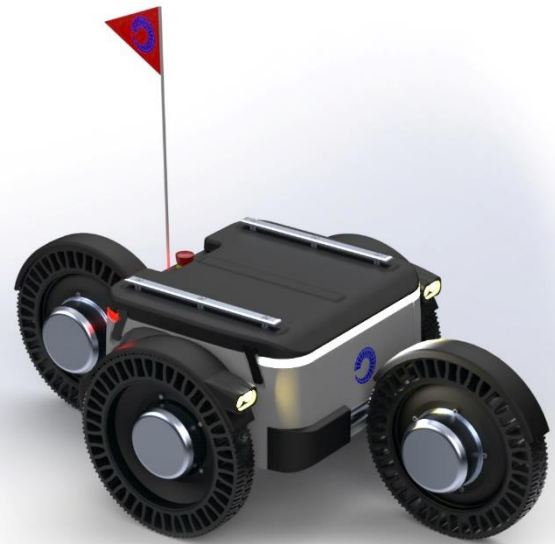


CAPRA ROBOTICS

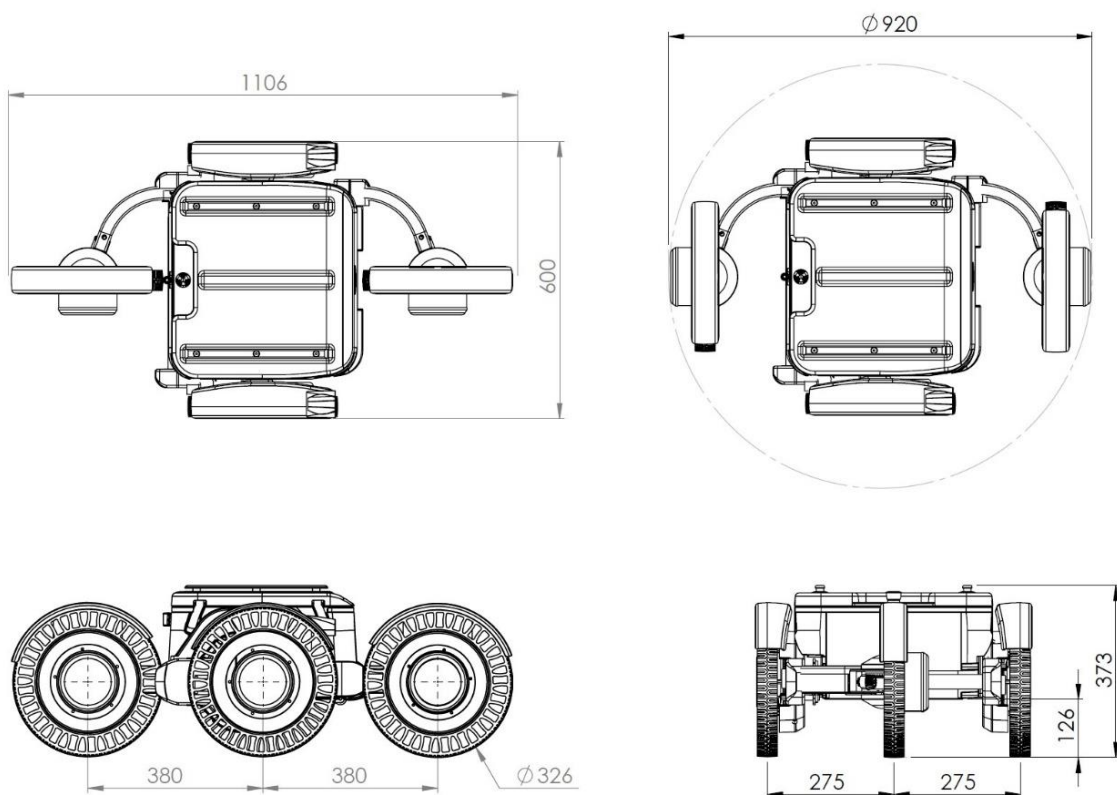
Capra Hircus – Product Sheet

Capra Hircus is a maneuverable outdoor mobile robot, based on Capra Robotics' patented chassis. Hircus is designed to easily carry different types of load. Due to its flexible chassis and large engine power, it can be used for numerous types of tasks in uneven terrain, as well as in urban areas.

The robot comes with a direct interface to its ROS2 operating system, which makes it easy to connect additional equipment to the robot. Via the built-in remote connection, it is possible to automatically control the robot to a given target. Automatic driving with the robot can be done from control systems based on the VDA-5050 protocol, where the robot follows the given path.



Dimensions



CAPRA ROBOTICS

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Technical Specifications

Dimensions and Weight	
External Dimensions (LxWxH)	1106x600x373 mm
Wheel Diameter	326 mm
Clearance Height	126 mm
Weight	45 kg
Speed and Performance	
Maximal Speed	6 km/h
Maximal Incline	30°
Turning Radius	465 mm
Chassis	4-wheel robot frame
Motor Type	4 pcs. hub motors of 250W
Payload Capacity	50 kg
Effect	
Battery Type	Li-NMC
Capacity	Up to 6 units of 25.9V, 20 Ah
Operating Time	16 Hours
Range	105 km (with 6 batteries)
Charging Time	3 Hours
Environment	
Operational Temperature Range	-20°C to +50 °C
IP Rating	IP 65
Usage	Primarily Outdoors
Interface and Communication	
External Communication	Redundant 4G router with Dual-band WiFi (G/N/B)
I/O	RJ45 Ethernet (with access to ROS2)
Manual Steering	Remote Control and Rod
Safety	
Collision Avoidance	2 pcs. Ultrasound Sensors
Safety Functions	4 Safety functions according to ISO 13849-1

