

Capra Hircus



ONE ROBOT – MULTIPLE APPLICATION

- Urban Maintenance**
- Cigarette Removal
 - Chewing Gum Removal
 - Weed Removal
 - Ice Removal



- Inspection & Surveillance**
- Perimeter Control
 - Inspection & Surveillance



- Logistics**
- Interlogistics
 - Campus Logistics
 - Last Mile Delivery



TECHNICAL SPECIFICATIONS



SECURITY



MAINTENANCE



LOGISTICS

Dimensions and Weight	
External Dimensions (LxWxH)	1106x600x373 mm
Wheel Diameter	326 mm
Clearance Height	126 mm
Weight with 2 batteries	50 kg (with 2 batteries)
Speed and Performance	
Maximal Speed	6 km/h
Maximal Incline	30%
Curb climbing	140 mm
Turning Radius	465 mm
Chassis	4-wheel robot frame
Motor Type	4 pcs. hub motors of 250W
Payload Capacity (sum max 100 kg)	50 kg
Effect	
Battery Type	Li-NMC
Capacity	Up to 6 units of 25.9V, 20 Ah
Operating Time	17,5 Hours (with 6 batteries)
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
I/O	RJ45 Ethernet (with access to ROS2)
Manual Steering	Remote Control and pull rod
Safety	
Collision Avoidance	Ultrasound Sensors Bumper bar
Safety	Machine directive EMC test: EN55032-2015, Class B, EN61000-4-3:2006 +A1+A2, EN61000-4-2 2009 Design for safety According to ISO 13849-1 (PLc): Emergency stop, Emergency brake and braketest, Manuel brake test, Relay and contactor test.

