

BR4VO UGV

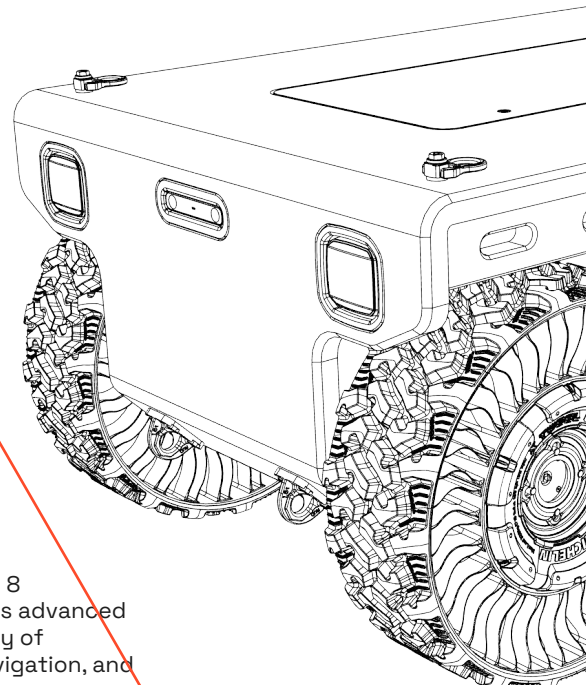
Fully electric multi-purpose autonomous load carrier

Reduce labor costs and increase safety with BR4VO UGV fully electric and autonomous load carrier designed for efficient cargo movement and human assistance.

Introducing the BR4VO UGV, an innovative mid-sized unmanned ground vehicle that sets new standards in autonomous transportation. Having dimensions of 1140 mm x 1120 mm x 825 mm and a robust ground clearance of 225 mm, the BR4VO UGV is designed to accommodate a wide range of payloads up to 600 kg, including all standard EUR/EUR2/NATO pallets.

This fully electric vehicle is powered by four in-wheel motors and equipped with 8 hot-swap battery modules, ensuring a remarkable endurance of at least 12 hours. Its advanced technology features include vision-based AI perception for navigation, a variety of operational modes like remote control, follow-me, taught route, and autonomous navigation, and an impressive zero-radius turning capability.

Whether for cargo handling, specialized industry tasks, or agricultural and military applications, the BR4VO UGV, with its airless radial Michelin tires and IP67 environmental rating, is built to perform efficiently and reliably in diverse environments, redefining the possibilities of unmanned ground logistics and support.



Dimensions	1620 mm X 1140 mm X 825 mm	Ground Clearance 225 mm
Cargo deck dimensions	1140 mm X 1120 mm	Accommodates all EUR/EUR2/NATO Pallets in standard Cargo configuration
Weight	549 kg	Payload up to 600 kg
Propulsion	Fully Electric	4x Electric In-Wheel motors
Endurance	At least 12 hours in standard BR4VO UGV Cargo configuration	
Battery	8x 48V DC hot-swap modules	Battery Type: NMC
Tires/Wheels	Airless Radial Tire 26x9N14, X® TWEEL® UTV by Michelin	
Speed	16 km/h	Towing speed 65 km/h
Environmental	IP 67	Temperature range -20°C to +50°C
Turning Circle	Zero-Radius turning	Incline Slope 45%
Operation Modes	Remote Control mode with real-time Video transmission Follow-me mode (Pedestrian or another vehicle within max. speed limit) Taught route mode (including obstacle avoidance) Autonomous navigation mode	
Sensing	Vision-based AI perception with obstacle detection and navigation	Stereo cameras in front and rear; Optional side cameras for full 360° obstacle detection and navigation
BR4VO UGV configurations	<p>BR4VO UGV Cargo - Palletized/None-Palletized cargo carrying/handling; optional dropside cargo bed with foldable and removable or net-type side panels.</p> <p>BR4VO UGV Spec - Versatile implement carrier and mobile power source for industry specific tasks as in construction, municipal and emergency services</p> <p>BR4VO UGV Agri - Implement carrier, harvest transportation solution, supply handling in Agri/Horticulture, Livestock and Forestry</p> <p>BR4VO UGV Mil - Infantry co-robot, last-mile supply chain carrier, reconnaissance and mobile power source</p>	