

ELC UGV Fully electric multi-purpose autonomous load carrier

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

Introducing the ELC 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 ELC 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 ELC 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 in standard ELC UGV 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 ELC UGV Cargo configuration 4x Electric In-Wheel motors Battery 8x 48V DC hot-swap modules Battery Type: NMC Tires/Wheels Airless Radial Tire 26x9N14, X° TWEEL® UTV by MichelIn Towing speed 65 km/h 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 35% Operation Follow-me mode (Pedestrian or another vehicle within max. speed Streeo cameras in front and rear; Optional side cameras for full 360° obstacle detection and navigation Sensing Vision-based Al perception with obstacle detection and navigation Streeo cameras in front and rear; Optional side cameras for full 360° obstacle detection and navigation ELC UGV Cargo - Palletized/None-Palletized cargo carrying/handling: optional dropside cargo bed with foldable and removable or net-type side pa=IS. ELC UGV Agri - Implement carrier, harvest transportation solution, supply handling in Agri/Horticuture, Livestok and Forestry Image: Www.milda.tech | | | |
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