

— EMBRACING THE AUTONOMY

BR4VO UGV

Fully electric, multi-purpose autonomous load carrier -
engineered for cargo, industry, agriculture, and defence.

MILDA.TECH · MADE IN EU



Fully electric. Fully autonomous. Built for the field.

BR4VO is a mid-sized unmanned ground vehicle that sets a new standard in autonomous transportation - engineered to reduce labour costs and increase operational safety across cargo, industry, agriculture and defence.

Four in-wheel electric motors and eight hot-swap battery modules deliver at least eight hours of continuous operation in standard cargo configuration. A 600 kg payload accommodates all standard EUR / EUR2 / NATO pallets on the integrated cargo deck.

Vision-based AI perception, IMU/INS and GNSS-aided navigation enable four operational modes - from remote control with live video to fully autonomous mission execution - with zero-radius turning and an IP67 environmental rating for all-weather deployment.



PAYLOAD	ENDURANCE	PROTECTION	TURNING
600 kg	8 h+	IP67	0° radius

Technical specifications.

DIMENSIONS

1620 × 1140 × 825 mm
Ground clearance 225 mm

WEIGHT

520 kg · Payload up to
600 kg

ENDURANCE

≥ 8 hours in standard
cargo configuration

TIRES

Airless radial · Michelin
26×9N14, 4×110 mm

ENVIRONMENTAL

IP67 · -20 °C to +50 °C

SENSING

Vision-based AI
perception
Stereo cameras front/rear,
optional 360°

CARGO DECK

1460 × 1120 mm
EUR / EUR2 / NATO pallets

PROPULSION

Fully electric · 4× in-
wheel motors

BATTERY

8× 48 V DC hot-swap ·
13.6 kWh usable
Li-ion NMC

SPEED

12 km/h operational ·
65 km/h towing

MOBILITY

Zero-radius turning · 45%
incline

NAVIGATION

IMU / INS + GNSS-aided
Heading & dead-reckoning
options

OPERATION MODES

M01

Remote control

Direct operator control
with real-time video
transmission.

M02

Follow-me

Tracks a pedestrian or
vehicle within the
maximum speed limit.

M03

Taught route

Repeats a learned path
with active obstacle
avoidance.

M04

Autonomous

Full mission execution
using vision-based AI
perception.

One platform. **Four missions.**

BR4VO is delivered in four mission-specific configurations - sharing one autonomous chassis across civilian industry, agriculture and defence applications.

BR4VO/CARGO ^{C·01}

Palletized and non-palletized cargo carrying and handling. Optional dropside cargo bed with foldable, removable, or net-type side panels.

LOGISTICS & SUPPLY CHAIN

BR4VO/SPEC ^{S·02}

Versatile implement carrier and mobile power source for industry-specific tasks - construction, municipal services, and emergency response.

INDUSTRY & EMERGENCY

BR4VO/AGRI ^{A·03}

Implement carrier and harvest transportation solution. Supply handling for agriculture, horticulture, livestock and forestry operations.

AGRICULTURE & FORESTRY

BR4VO/MIL ^{M·04}

Infantry co-robot, last-mile supply chain carrier, reconnaissance platform and mobile power source for defence operations.

DEFENCE & RECONNAISSANCE

Find the configuration that fits your mission. **Talk to our team.**

TEAM@MILDA.TECH →