

MIDBOT

Heavy-duty modular autonomous ground vehicle for large-scale outdoor operations - survey, security, inspection, and field R&D.

Drive: 4WD + 4WS independent	Processor: NVIDIA Jetson AGX Orin
Turning modes: Zero-turn · Crab · Standard	Stereo vision: ZED X stereo camera
Payload capacity: 400 kg	Positioning: GNSS + 6-axis IMU
Battery: 5.1 kWh modular	Steering: Servo-controlled precision

POWER & PAYLOAD OUTPUTS

Battery architecture	Modular — scalable to mission duration
Base capacity	5.1 kWh per module
AC output	220V AC
DC outputs	48V DC · 24V DC · 112V DC
Custom integration	Customer-specific payload development available

INTEGRATED SENSORS

Stereo vision	ZED X stereo camera
Positioning	72-channel GNSS
Inertial	6-axis IMU
Gas detection	VOC sensor
Particulate	PM sensor
Environmental	Pressure · Temperature · Humidity

COMPUTING

Main processor	NVIDIA Jetson AGX Orin
Profile	High-performance edge AI
Capabilities	Sensor fusion · Real-time AI inference · Mission-based processing

DESIGNED FOR

- Wide-area security & perimeter patrol — 24/7 autonomous coverage
- Industrial & infrastructure inspection — large outdoor facilities
- Survey & 3D terrain mapping — GNSS + LiDAR payload
- Precision agriculture — autonomous field monitoring at scale
- Robotics R&D — ROS 2 compatible open platform for algorithm development