

RM21

Autonomous Robotic Commercial Lawn Mower



The RM21 brings commercial turf care into a new era with fully-autonomous, all-electric, professional-grade mowing. Equipped with advanced navigation technology, cloud-based mapping, and centimeter-level precision, it enables worry-free unmanned mowing in settings such as sports fields, municipal green spaces, campuses, and office parks. LiDAR technology ensures smooth operation even in areas with weak RTK signals, such as under trees. The RM21 offers an easy and cost-effective solution for professional turf management.

Key Benefits



Accurate and Efficient Mowing

Cut grass with centimeter-level positioning accuracy, boosting efficiency and eliminating redundancy or missed areas.



Automatic Mowing on Complex Terrain

Leverage LiDAR to create a 3D map of the terrain, making it easy to safely mow in challenging areas such as under trees or around objects.



One-click Multi-field Management

Support mowing multiple zones in a single task, saving time and effort in turf management.

Reliable Operation



Hands-Free Auto Charging

Returns automatically to the charging station when battery life is low, reducing the need for manual intervention and improving workflows.

Comprehensive Protection

360° object avoidance, collision bumpers, lift protection and rain monitoring safeguard your property's autonomous mowing operations.

Tackles Slopes Easily

Climbs slopes or inclines of up to 20° without getting stuck, ensuring a consistently smooth ride over tricky terrain.

- 360° real-time object detection



Product Specifications

Dimensions	52.4" X 33.6" X 38.6"
Weight (with 2 batteries)	375 lb
Cutting Deck Width	25"
Cutting Height	0.8-5"
Number of Blades	1
Max Operation Area	23 acres/3 days
Max Operation Area Per Charge	3.2 acres
Battery Capacity	4 kWh
Ground Speed	0-3.7 mph
Max Climbing Capacity	≤20°

Contact us



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