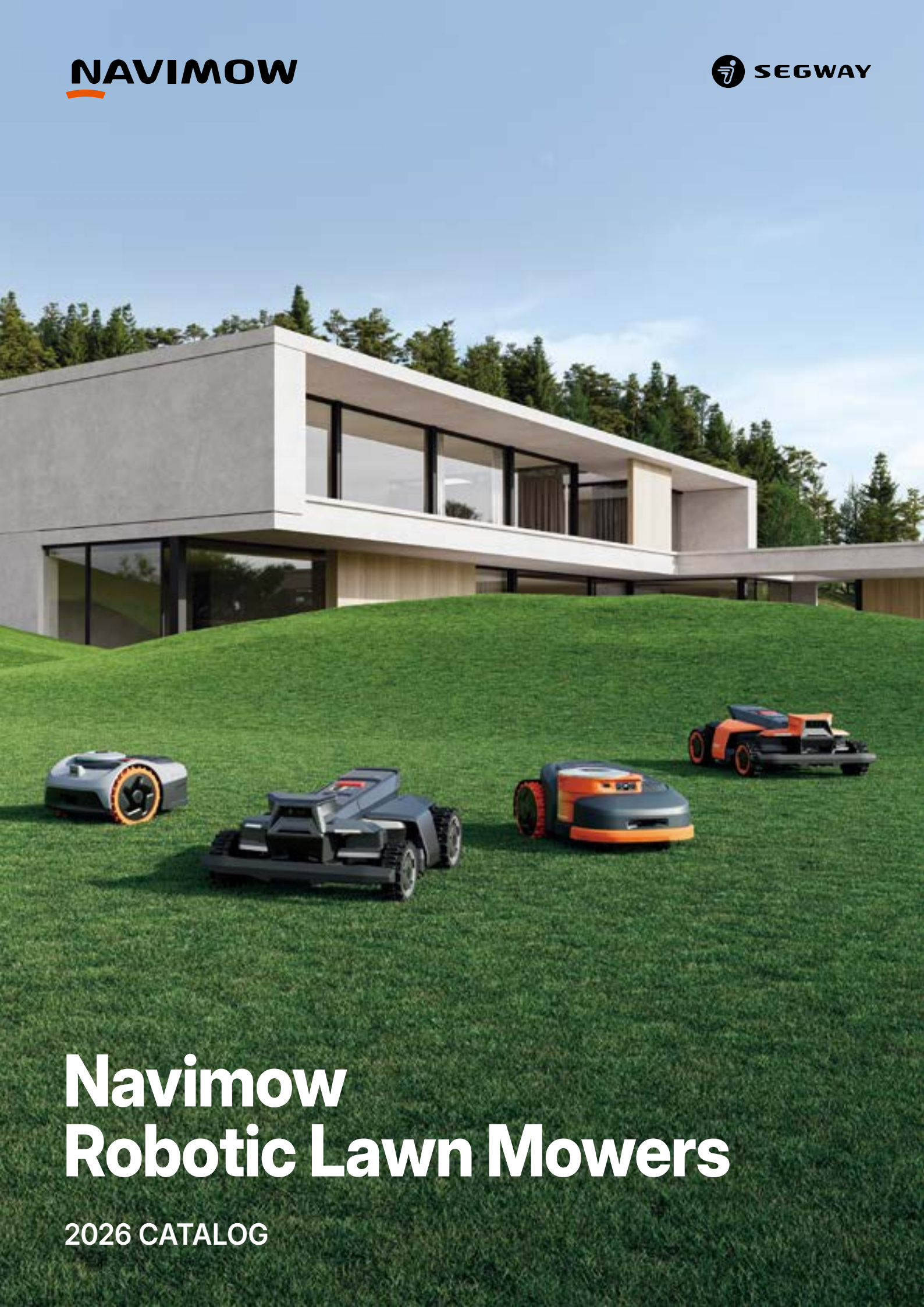
NAVIMOW

SEGWAY



Navimow Robotic Lawn Mowers

2026 CATALOG

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About Navimow

40+
Countries Sold

400+
Patents

400000+
Households

4000+
Stores

100+
Awards

2021
Navimow is founded

Segway-Ninebot integrated teams and resources of its Home Service Robotics Division and the AI & Robotics Technology Research Institute to establish the subsidiary Navimow.

2022
Launched 1st product – H Series

Made a groundbreaking leap in innovation by integrating RTK into a robotic lawn mower.

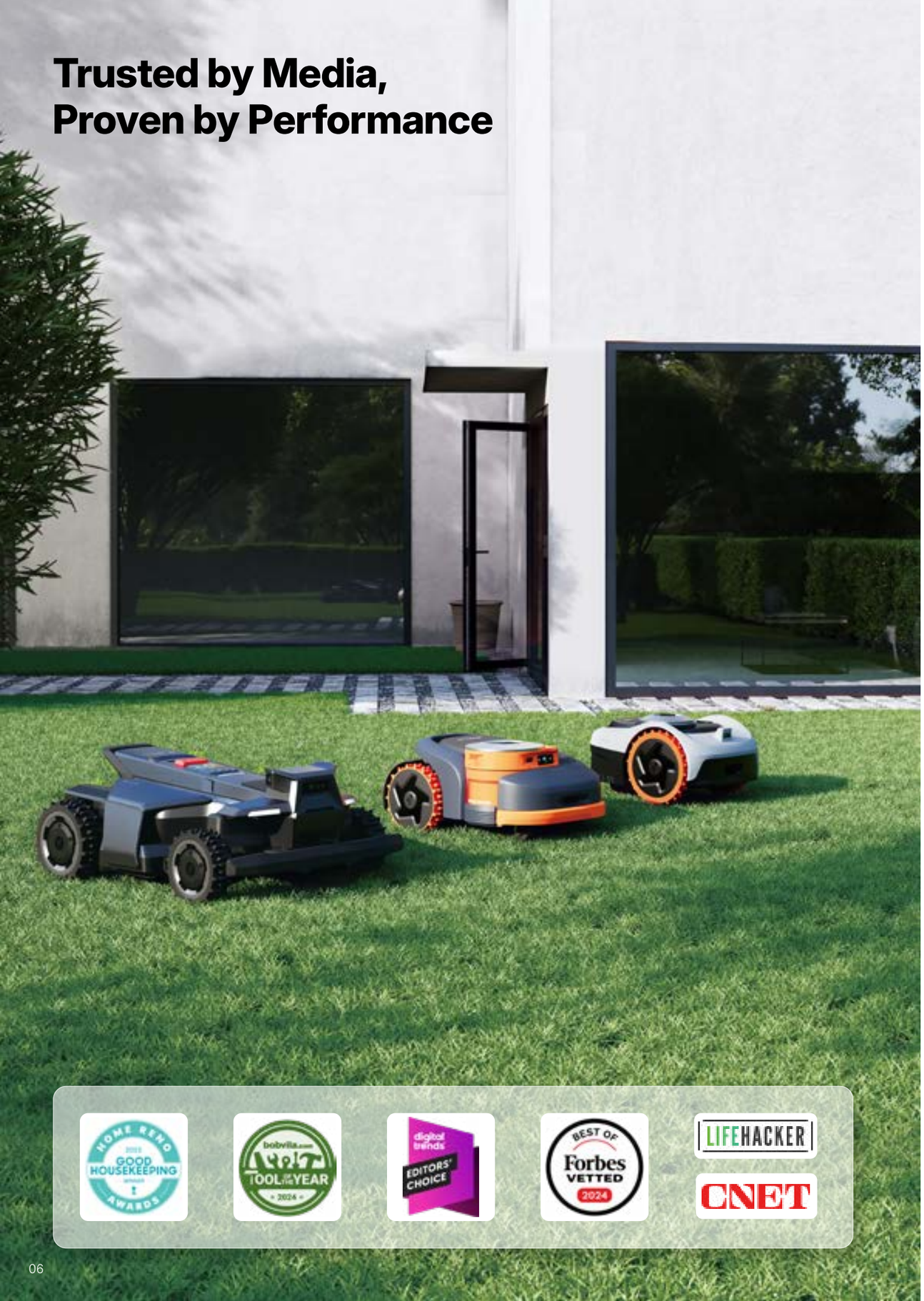
2024
i Series – 2nd generation product released

Navimow released the i Series, designed for smaller lawns. Equipped with the 140° wide-angle camera and AI algorithm, VisionFence™ intelligently recognizes a variety of obstacles.

2025
Unveiled X3 Series at CES

Engineered to handle extensive greens with unmatched efficiency, featuring upgraded, proprietary VisionFence™ and EFLS™ 3.0.

Trusted by Media, Proven by Performance



Navimow Residential Robotic Lawn Mower

NEW

X4 Series

X430 1 acre **X450** 1.5 acres

NEW

H2 Series

H210 0.25 acre **H220** 0.5 acre

NEW

i2 AWD

i206 AWD 0.15 acre **i210 AWD** 0.25 acre

NEW

i2 LiDAR

i215 LiDAR 0.37 acre

X3 Series

X315 0.5 acre **X330** 1 acre
X350 1.5 acres **X390** 2.5 acres

i1 Series

i105 0.125 acre **i110** 0.25 acre

Navimow Commercial Robotic Lawn Mower

NEW

Terranox Series

CM120M1 3 acres **CM240M1** 6 acres

Seamless Hands-Free Setup
One-Click Mowing Efficiency

Antenna-Free Network RTK Positioning

Hassle-free deployment with antenna-free Network RTK access, eliminates a complex setup, guaranteeing consistent mowing performance in any weather, even the most challenging scenarios.

Available for all X Series, H2 Series, i2 AWD models

EFLS™ LiDAR+ Positioning System

Navimow redefines positioning through a deeply integrated system that fuses LiDAR's spatial awareness and Network RTK's satellite precision with vision providing enhanced assistance, ensuring exceptional stability.

Available for all H2 models

New Powerful Xero-Turn™ AWD, Never Hurts Grass

Outstanding AWD conquers all terrain for stable climbing and obstacle navigation, while delivering a smooth mow that comparable to a zero-turn mower, all without damaging grass through slipping or scratching.

Available for all X4 Series, i2 AWD models

Auto Mapping, Freeing Up Hands Entirely

Auto-recognizes boundaries and creates freehand virtual maps without manual perimeter walking.

Available for all X Series, i2 Series and H2 Series

GeoSketch™: Real-Scene Map Editing

Transforms every lawn corner into a real interactive map right on your phone. Visualize, edit, and command your mower with unparalleled accuracy.

Available for all i2 LiDAR, X Series and H2 models

Up to 120 Zones & No-Go Zone Management

Easily set virtual zones or no-go zones like pools and flower beds for precise mowing. Schedule customizable mowing routines for each map with ease.

Quad-Layer Security System

GPS tracking, Geo-fence alarm, lifted alarm and Apple Find My are included. Even when powered off/offline, your mower can still be located.

Integrated Intelligence for Your Yard

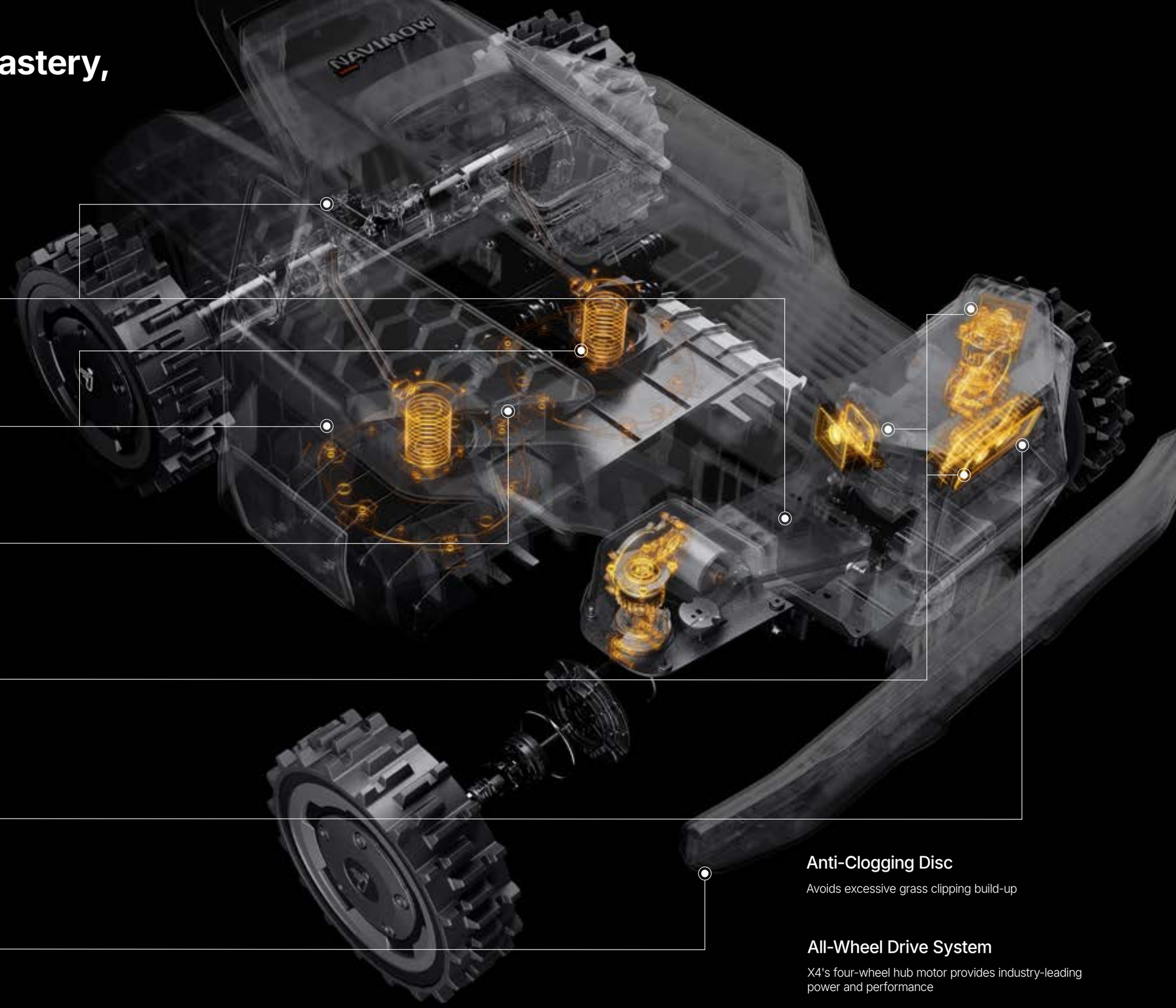
Start, stop, or schedule mowing sessions with voice control for a truly hands-free, next-gen experience.

Navimow X4 Series

Conquer Where Others Stop.
Care Where Others Compromise.

Ultimate AWD System with Zero-Turn, Dominating Every Surface with Perfection.

Achieve All-Terrain Mastery, Never Sacrifice Turf



All-Terrain Adapted Dual Suspension

Overcomes vertical obstacles up to 2.8 in

Hyper-Strong Cutting Motors

Effortlessly handles the toughest grass

Adaptive Dual-Disc Cutting System

Cutting width: 17 in
Adjustable cutting height: 0.75-4 in
12-Blade Dual Disc System

Triple Camera System (Front/Left/Right)

Leading obstacle avoidance with 360° sensory field, enhanced EFLS™ NRTK positioning

ToF Sensor

Provides a 0.3-6.6 ft 3D sensory range

Safety Bumper

Collision protection

Anti-Clogging Disc

Avoids excessive grass clipping build-up

All-Wheel Drive System

X4's four-wheel hub motor provides industry-leading power and performance

All-New Xero-Turn™ Technology

Power unmatched. Our new All-terrain adapted dual suspension system traverses obstacles up to 2.8 in and conquers slopes up to 84%.

Master Every Slope, Obstacle, Surface

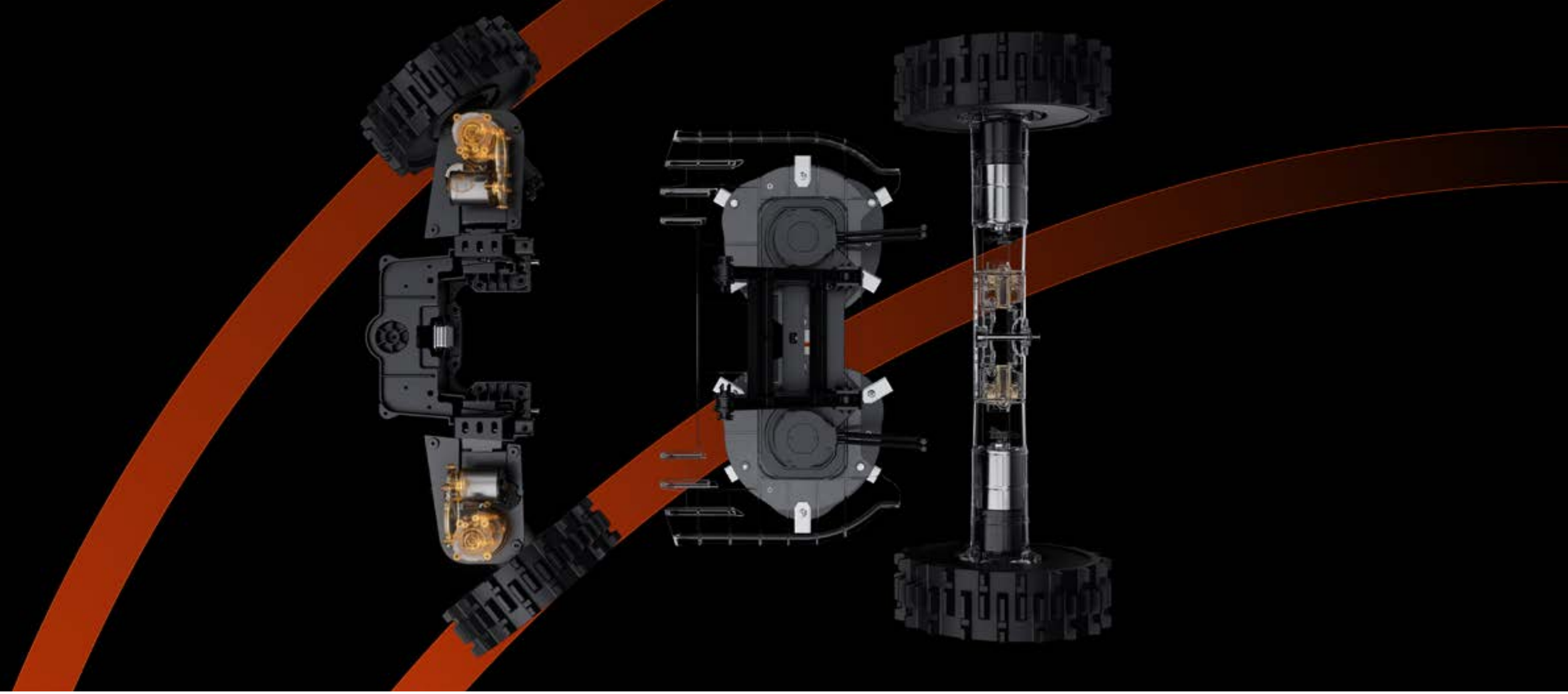
Handles all complex terrain, ensuring stability and performance no matter the layout.

Stone Paths

Border Curbs

Potholes

Gravel Paths



Pioneering Zero-Turn Steering for Damage-Free Turf

Unlike other products that rely on brute force overlay for traversing—often damaging lawns—our Xero-Turn™AWD expertly balances hyper-powerful wheel surges with agile obstacle handling, ensuring a smooth movement equivalent to zero-turn mowers without harming grass.

Pioneering Application
Front Wheel Zero-Turn Steering

Traction Control System (TCS)

Adaptive Blade System

No Scraping

Switch between zero-turn and automotive-grade Ackermann steering, enabling flexible turning on any surfaces.

No Slipping

Patented TSC Technology adjusts torgue on low-adhesion surfaces like wet grass or soft grass in real time.

No Grass Wearing

Dynamically responds to uneven and rough terrain, ensuring uniform cut performance and preventing grass scalping.

Revolutionized MowMentum™

Powered by an ultra-efficient cutting technology - MowMentum™, the X4 Series delivers unmatched mowing performance across all grass types, from coarse to dense grass.

Triple Efficiency

17 in Cutting Width

Up to 2.6 ft/s Walk Speed

224W Fast Charging

2×180W
Cutting Motors

Delicate Mowing for All Grass Types

Even the toughest lawns and edges

0.75-4 in Cutting Height

Smart Cutting Algorithm

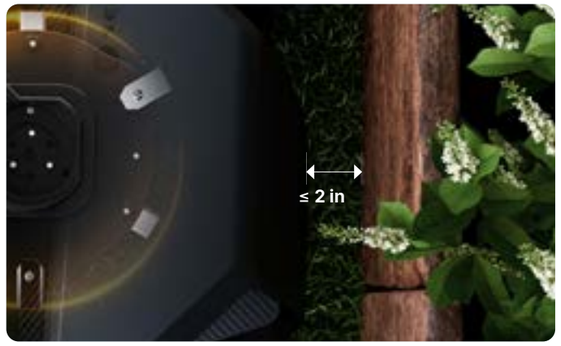
EdgeSense™

A Perfect Finish, Every Time

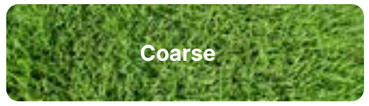
120 Zones & No-Go Zone Management

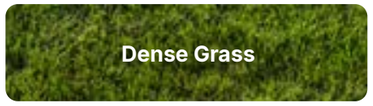
Maintain Yards of Maximum 1.5 acres

Zero-Distance Cutting



Cut-to-Edge Perfection





Any Grass Type, Handled

Hands-Free Setup, Real-Scene Mapping

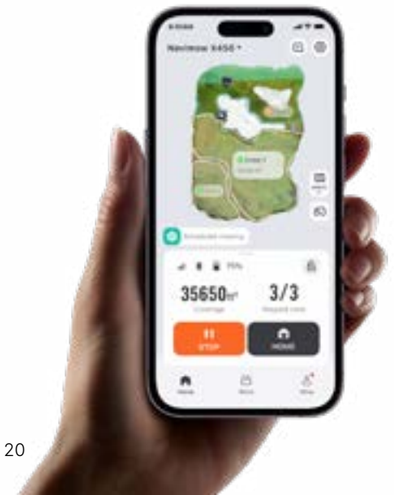
No Antenna Needed, One-Click Efficient Mowing

Auto Mapping, Freeing Up Hands Entirely

Auto-recognizes boundaries and creates freehand virtual maps without requiring manual walking.

No Antenna Needed

Network RTK Access as Standard, No Extra Cost.



Real-Scene Mapping, Real-Time Boundaries

Powered by GeoSketch™ technology, provides a top-down real-scene map and visualized edge editing for intuitive revision.

EFLS™ NRTK Positioning: Network RTK + 360° Vision + VIO

Upgraded triple-frequency Network RTK and 360° camera VSLAM and VIO technologies, ensuring sub-inch precision and stable positioning without signal loss in all complex scenarios.

Front & Back Yards

Narrow Paths

Under Trees

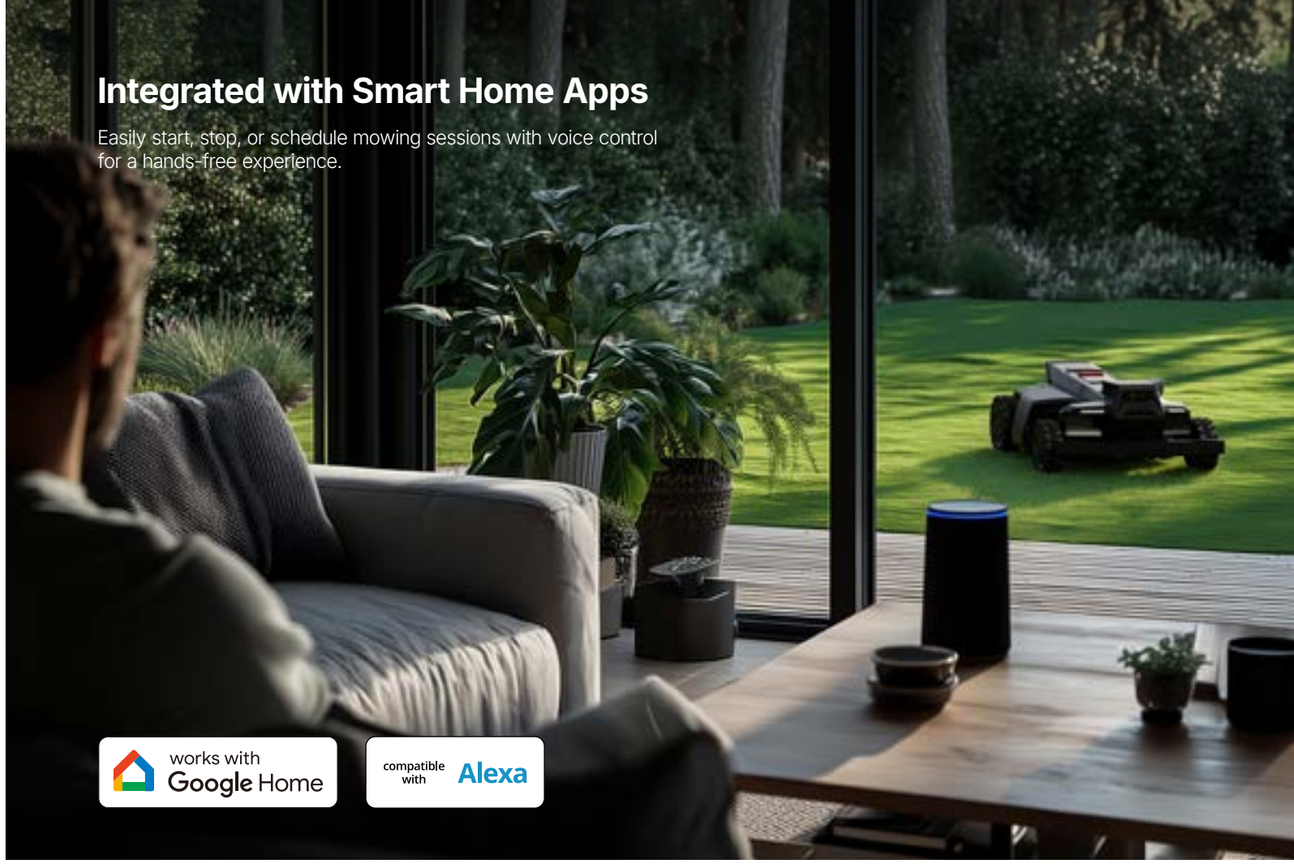
AI-Powered 360° VisionFence™ for Panoramic Obstacle Avoidance

High-Sensitivity Detection and Smart Avoidance

200+ Obstacles Recognized

Ground Lights · People · Automobiles · Slides · Toys · Goals · Soccer Balls · Grills · Manhole Covers · Pavements

Cats · Dogs · Chickens · Geese · Sheep · Rabbits · Foxes · Cows · Squirrels · Cylinders



Integrated with Smart Home Apps

Easily start, stop, or schedule mowing sessions with voice control for a hands-free experience.

Redefining Mowing with Seamless Intelligence

IP66 Waterproof

Quick and easy to clean, supports flushing with a hose for quick maintenance.

Full Weather Adaptability

Adapts and auto-adjusts mowing plan during extreme weather.

Noise Level < 68 dB(A)

Operates with lower noise, only ever as loud as a conversation.

Quad-Layer Security

Supports GPS tracking, Geo-Fence alarm, lifted alarm and Apple Find My, even when powered off/offline.

OTA Updates

Seamless updates via the Navimow app, inclusive of new features.

Personalized Lawn Graphics

Adds a creative flair with Doodle. Creates stunning designs that make your lawn stand out.

3-Year Warranty

A 3-year warranty gives you complete peace of mind.

Rain Sensor

The built-in rain sensor detects rainfall, pauses mowing, and automatically returns the unit to its charging dock.

Model	X430	X450
Recommended Mowing Area	1 acre	1.5 acres
Time Required for Recommended Mowing Area	15 Hours	23 Hours
Dimensions	33.5 × 24.0 × 13.8 in	33.5 × 24.0 × 13.8 in
Net Weight	63.71 lbs	63.71 lbs
Locating System	EFLS™ NRTK (NRTK + 360° Vision + VIO)	EFLS™ NRTK (NRTK + 360° Vision + VIO)
Object Detection System	VisionFence™ (360° RGB Camera + ToF)	VisionFence™ (360° RGB Camera + ToF)
Driving Engine	4WD with dual independent steering motors	4WD with dual independent steering motors
Noise Level	68 dB(A)	68 dB(A)
Protection Level	IP66	IP66
Weather Adaptive	Weather Forecast + Rain Sensor	Weather Forecast + Rain Sensor
Maximum Slope Ability	84% (40°)	84% (40°)
Auto-Mapping	Yes	Yes
Auto-Recharge	Yes	Yes
Offset	2.8 in (5.9 in for gentle slopes)	2.8 in (5.9 in for gentle slopes)
Multi-Zone Management	120	120
GeoSketch™	Yes	Yes
Battery Capacity	12.8 Ah	12.8 Ah
Charging Time	90 min	90 min
Full Charge Mowing Time	110 min	110 min
Mowing Area per Charge	0.22 acre	0.27 acre
Mowing Area per Hour	0.12 acre	0.15 acre
Cutting Height	0.75–4 in	0.75–4 in
Cutting Height Adjustment Method	Auto	Auto
Cutting Width	17 in	17 in
Floating Cut System	Yes	Yes
Anti-Clogging Cutting Disc	Yes	Yes
Cutting Disc	2 Discs, 12 Blades	2 Discs, 12 Blades
GPS Tracking	GPS + Find My	GPS + Find My
Out-of-boundary Alarm	Yes	Yes
Object Recognition	200+	200+
Smart Home Integration	Alexa & Google Home	Alexa & Google Home
Warranty	Device: 3 Years / Battery: 2 Years	Device: 3 Years / Battery: 2 Years
Connectivity	Bluetooth & Wi-Fi & Cellular*	Bluetooth & Wi-Fi & Cellular*
Display	3.5-in Color LCD Screen	3.5-in Color LCD Screen
OTA Updates	Yes	Yes

*Connect+ (Cellular Connection): Offers a 4G connection for GPS tracking and the Geo-Fence alarm, enabling real-time mower location tracking. 1 year free for X430 and 2 years free for X450, renewable annually.

Navimow i2 AWD

Master the Rough. Turn with Care.

Advanced AWD System Ensures Stability Across All Terrains While Preserving Lawns.

All-Wheel-Drive, All-Terrain Performance

Adjustable Cutting Height

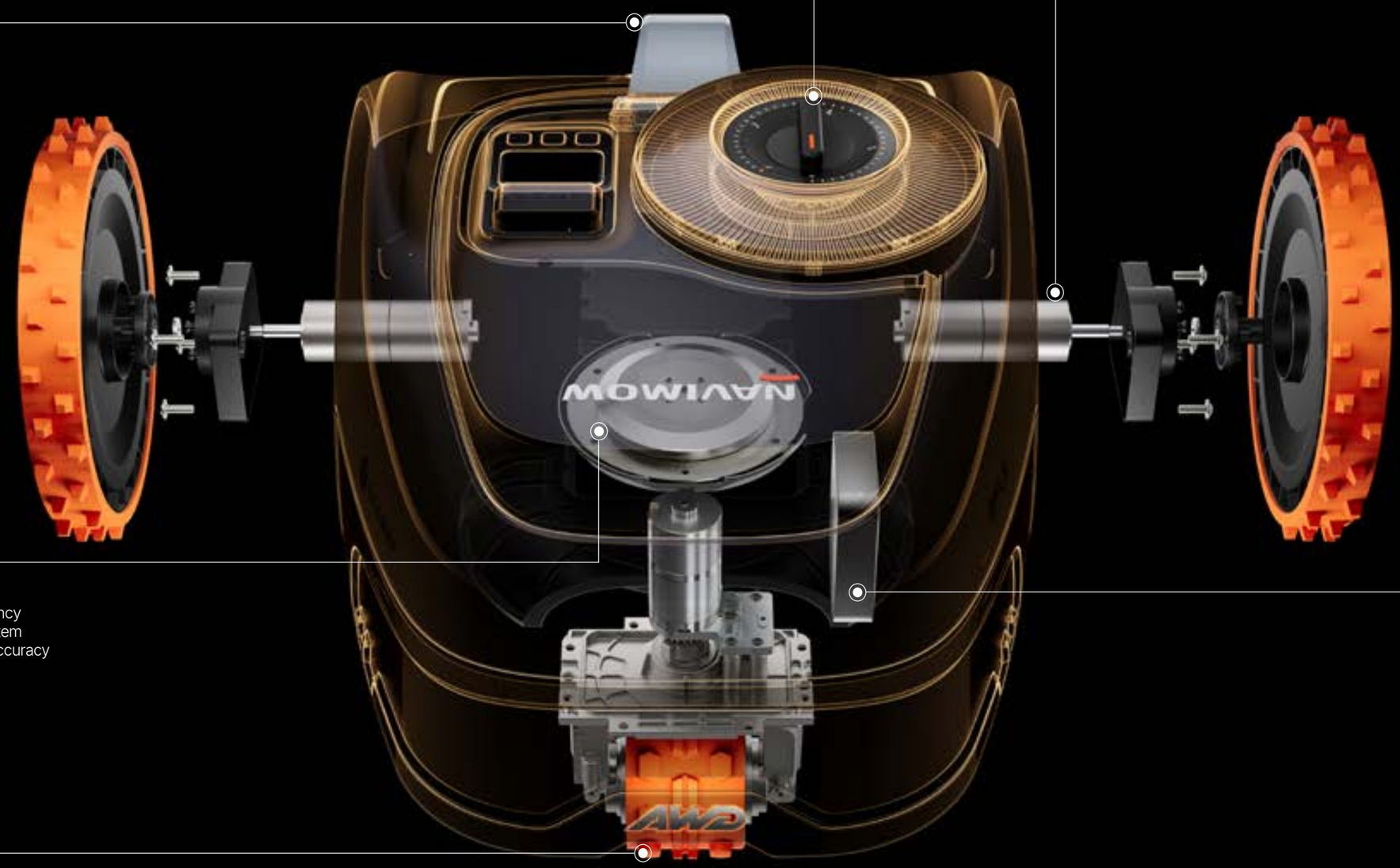
Fully adjustable from 2 to 3.6 inches

Large Wheels

Large 9.8 inch front wheels drive powerful performance for a smoother mow, even in the toughest of environments

VisionFence™

Intelligent AI obstacle avoidance technology for worry-free mowing



EFLS™ NRTK

Access Network RTK for antenna-free deployment. The upgraded triple-frequency Network RTK and vision dual-fusion system delivers ultra-precise, centimeter-level accuracy

Built-In 4G Module

Stable connectivity anywhere and seamless access to Network RTK, as needed

Xero-Turn™ AWD

All-new drive system for maximum traversibility and agile turns, delivering powerful terrain mastery and grass-friendly care

Dual Automotive-Grade Technology

ESC & TCS deliver better stability and effectively minimize slippage

*ESC (Electronic Stability Control)
*TCS (Traction Control System)

Pioneering Xero-Turn™ AWD Technology, Power with Next-Level Performance

Power to Conquer: Xero-Turn™ AWD Powered, All-Terrain Mastery

Equipped with an all-wheel-drive system and 9.8 inch off-road wheels, the mower easily conquers complex landscapes while maintaining smooth, stable movement across uneven terrain.

Handles slopes up to 45% (24°) and traverses root-covered areas, 1.57 inch vertical steps, and uneven stone paths with ease. Whether on gravel paths or rugged terrain, the mower stays in control without getting stuck.

Confidently Handles 45% Slopes

Up to 1.57 inch Vertical Steps

Traverse Root-Covered Terrain

Across Stone Paths

AWD × Built-In ESC* (Electronic Stability Control) Synergy Tackles 45% (24°) Slope with All-Round Stability

Unlike other two-wheel products, the mower dynamically adjusts its slope trajectory to maintain straight and stable movement in any direction, delivering consistent, even mowing.

- ✔ Lateral Hill Traverse
- ✔ Steady Hill Turns
- ✔ Hill Reverse
- ✔ Diagonal Hill Traverse

Full Slope Mowing Coverage

Consistently Even Mowing Quality

*ESC: Electronic Stability Control

Power with Care: Anti-Scraping, Anti-Slipping, Never Hurts Grass

Flexible Zero-Turn Pivoting without Scraping Grass

Our concentric rear-wheel design delivers smooth zero-turn pivoting without turf tearing, eliminating dragging and scraping that can damage your lawn. Enjoy flawless, turf-friendly turns with every pass.

AWD × TCS (Traction Control System) Synergy Minimal Slippage and Damage

With TCS (Traction Control System) reacting in just milliseconds, traction is constantly adjusted to match ground conditions. Even on wet or slick grass, the mower glides with minimal slippage, protecting your lawn from bruising or ripping.

Power that Adapts: Adaptive Drive, 30% Energy Boost*

The on-demand third wheel intelligently adapts to terrain changes, reducing energy consumption and extending runtime by up to 30%

*Energy efficiency data based on internal controlled lab testing. Adaptive all-wheel drive (3AWD) demonstrated up to 30% longer runtime compared with continuous 3AWD operation. Actual results may vary depending on terrain and mowing conditions.

No Wires, No Antenna Required
Easy Deployment

Network RTK Access

Network RTK access is included at no extra cost, and the required cellular data are provided free of charge. Connect instantly with just one tap using the Network RTK, and enjoy a completely wire-free, easy-to-install setup. A local antenna is also included in the box, giving you the flexibility to choose your preferred installation method for optimal connectivity.

For more information about the Network RTK,
Scan the QR code to visit our official website.

EFLS™ NRTK: Network RTK+Vision Dual Precision
No Signal Loss, Even in Hard-to-Reach Places

Enhanced Triple-Frequency Network RTK Performance

An upgrade from dual to triple-frequency Network RTK delivers 30% more accuracy and improved signal stability.

Vision-Enhanced for Precise Positioning, Anywhere

Vision-enhanced fusion positioning ensures centimeter-level precision, even in narrow passages and densely obstructed environments.

Upgraded to Triple-Frequency Network RTK

Narrow Pathways

Under Trees

Hands-Free Auto Mapping, Minimal Effort

Simply place the mower on the grass. With a single tap in the app, it automatically scans and maps your entire lawn, generating a precise map through intelligent boundary detection.

VisionFence™: AI-Powered 150+ Obstacle Avoidance

The mower uses advanced vision and AI algorithms to accurately detect pets, tools, and even obstacles as small as 1 cm. It intelligently decides whether to mow or avoid them, rerouting within 0.1 seconds while maintaining a safe distance of at least 3.28 ft for safety.

Cats | Squirrels | Dogs | Cows | Hedgehogs | Wood | Garden Lights | Poles | Electric Saws | Fountains

Your Smart Mowing Companion

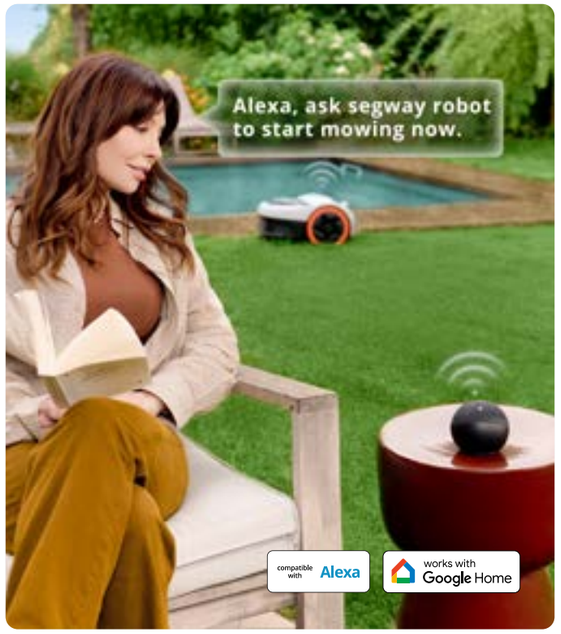
Voice Command Convenience with Smart Home Compatibility

Compatible with major smart home systems such as Alexa and Google Home, it allows you to control your mower effortlessly with a single voice command, letting you enjoy a truly hands-free, smart mowing experience.

Smart Security System

Dual Alarms: Instant app notifications when the mower is lifted or exits the boundary, keeping your unit safe.

Real-Time GPS Tracking: Track your mower's live location anytime in the Navimow App for added security.



Extreme Weather Ready: Adaptive Mowing

With the ability to recognize wind, frost, rain, snow, and high temperatures, it automatically adapts its mowing schedule to stay out of harmful weather—safeguarding both your lawn and the mower.

Highly Durable, Built to Last

IP66 Rated, Completely Dustproof and Waterproof

Built to withstand rain, dust, and dirt. Easy to rinse clean for effortless maintenance.

59 dB(A) Ultra Quiet Mowing

Delivers low-noise mowing for your comfort—without disturbing family, pets, or neighbors.

3-Year Warranty

Up to 3-year warranty for care-free long-term use.

Models	i206 AWD	i210 AWD
Recommended Mowing Area	0.15 acre	0.25 acre
Time Required for Recommended Mowing Area	9.6 Hours	16 Hours
Dimensions	21.4 x 15.1 x 11.2 in	21.4 × 15.1 × 11.2 in
Net Weight	26.56 lbs	27.12 lbs
Locating System	EFLS™ NRTK (NRTK + Vision)	EFLS™ NRTK (NRTK + Vision)
Object Detection System	VisionFence™ (140° RGB Camera)	VisionFence™ (140° RGB Camera)
Driving Engine	3 AWD	3 AWD
Noise Level	59 dB(A)	59 dB(A)
Protection Level	IP66	IP66
Weather Adaptive	Weather Forecast	Weather Forecast
Maximum Slope Ability	45% (24°)	45% (24°)
Auto-Mapping	Yes	Yes
Auto-Recharge	Yes	Yes
Offset	1.57 in	1.57 in
Multi-Zone Management	20	20
Battery Capacity	2.55 Ah	5.1 Ah
Charging Time	60 min	120 min
Full Charge Mowing Time	60 min	120 min
Mowing Area per Charge	0.03 acre	0.06 acre
Mowing Area per Hour	0.03 acre	0.03 acre
Cutting Height	2–3.6 in	2–3.6 in
Cutting Height Adjustment Method	Manual	Manual
Cutting Width	7.1 in	7.1 in
Cutting Disc	1 Disc, 5 Blades	1 Disc, 5 Blades
GPS-Tracking	Yes	Yes
Out-of-Boundary Alarm	Yes	Yes
Lifted Alarm	Yes	Yes
Object Recognition	150+	150+
Warranty	Device: 3 Years / Battery: 2 Years	Device: 3 Years / Battery: 2 Years
Smart Home Integration	Alexa & Google Home	Alexa & Google Home
Connectivity	Bluetooth, Wi-Fi, Cellular*	Bluetooth, Wi-Fi, Cellular*
Display	LED Digital Display	LED Digital Display
OTA Updates	Yes	Yes

*Connect+ (Cellular Connection): Offers a 4G connection for GPS tracking and the Geo-Fence alarm, enabling real-time mower location tracking. 1 year free for all i2 AWD models, renewable annually.

Navimow i2 LiDAR

Drop and Mow. Tap and Go.

High-res solid-state LiDAR+Vision: Ditch the wires and antenna for one-click auto mapping.

Ultimate Precision, Effortless Deployment

Built-In 4G Module
Stable connectivity anywhere, as needed

140° RGB Camera
Advanced Detection and Avoidance

1 Disc, 6 Blades
Powerful Mowing

8.7 inch Off-Road Wheels
Up to 45% Slope Mowing

High-Res Solid-State LiDAR
Advanced perception and stable navigation

Simply Drop and Mow
Redefining Deployment Experience

Setup? Forget It. Mow Instantly!

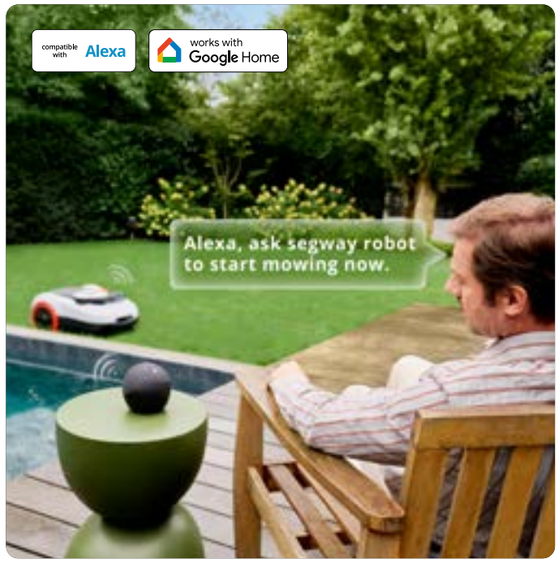
No wires, no antenna, and flexible charging dock location thanks to our latest LiDAR-powered navigation. Unbox, connect, press start - your mower performs right away. Gain back time, freedom, and a perfect lawn without the hassle.

One-Click Auto Mapping

Drop your mower and tap start, then i2 LiDAR auto-maps your yard immediately. Now that's simple!

Easy Voice Control

Voice control via Alexa and Google Home. Lawn care has never been this easy!



Next-Generation High-Res LiDAR
Precision Mapping to the Next Level

Groundbreaking 3D Spatial Intelligence

Pioneering LiDAR technology scans your space at nearly 200,000 points per second, meticulously crafting an ultra-dense 3D point cloud that leaves no dead zones. Every tiny detail is captured for rock-steady navigation day in, day out.

Others

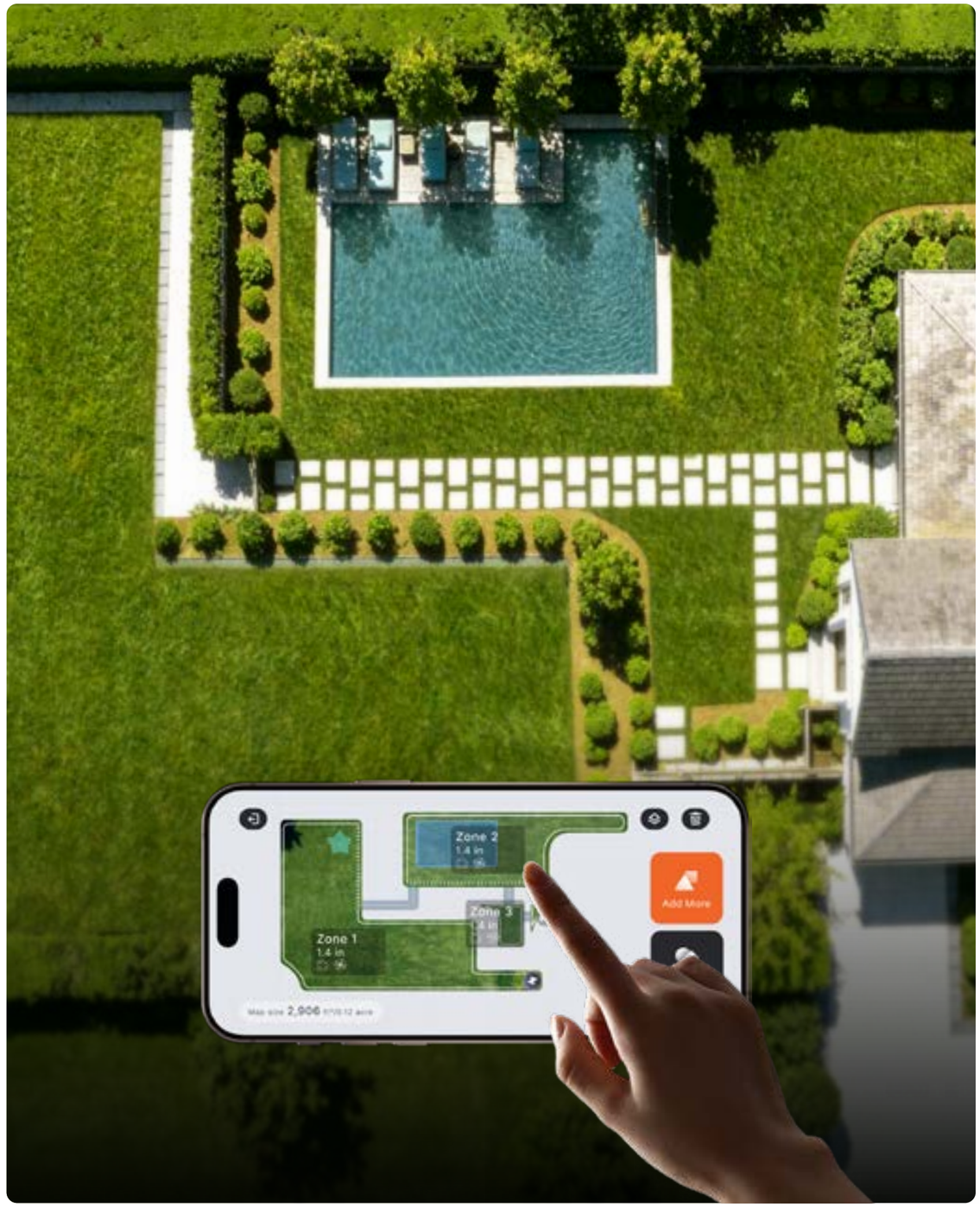
- Insufficient Precision
- Low Resolution
- Short Detection Range
- Slow Reaction Time

Navimow

- ✓ **200,000 Pts/Sec -** More Precise
- ✓ **>4x Higher Resolution -** Sharper Details
- ✓ **230ft Long Detection Range -** Sees Farther
- ✓ **50ms Scan Interval -** Reacts Faster

GeoSketch™: Realistic Visualization of Your Yard

Powered by high-res LiDAR and vision tech, the i2 LiDAR transforms every lawn corner into an interactive map right on your phone. Visualize, edit, and command your mower with unparalleled accuracy. Drag and drop to customize your mow to perfection.



LiDAR + Vision Fusion Ultimate Navigation and Sensing

EFLS™ LiDAR. Navigate with Absolute Confidence

Powered by our industry-leading EFLS™ LiDAR technology, the i2 LiDAR creates its own navigation without relying on satellites. This ensures stable positioning, even in the most challenging conditions. Whether under dense trees, through narrow 2.3 ft pathways, or in total darkness, the i2 LiDAR delivers unwavering accuracy and reliability in any condition.

Through Narrow Paths

Under Trees

During Nighttime

The Slope Expert

Experience unparalleled slope mowing with our cutting-edge ESC (Electronic Stability Control) technology. The system precisely regulates wheel speeds during turns to optimize the mower's center of gravity, ensuring smooth navigation on slopes up to 45% (24°).

Built to Endure: Built-In Solid-State LiDAR Module

Unmatched durability proven through 60+ reliability tests and 50G vibration shocks, setting a new benchmark that far exceeds industry standards. The i2 LiDAR takes on bumps and falling objects with confidence, maintaining unwavering performance throughout.

LiDAR-Powered VisionFence™: 200+ Obstacle Avoidance

0.4 inch Detection Accuracy: Precision beyond limits. No detail too small. High-res LiDAR mapping empowers i2 LiDAR to flawlessly avoid even the smallest obstacles – chair legs, pet toys, and more.

Suspended Objects: With 3D LiDAR, the mower detects suspended objects like trampolines. It only passes underneath if there is sufficient clearance, avoiding hazards like car undercarriages.

Animal Friendly: LiDAR's long detection range ensures early detection of over 20 animal types and maintains a 3.3-foot safe distance during operation.

Powerful Mowing with Precision in Every Detail

Powerful Cutting, Perfect for Tough Grass

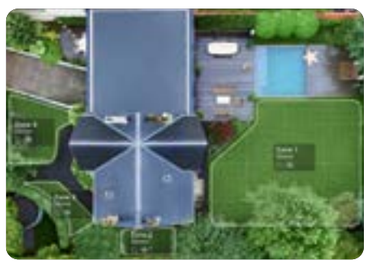
Powered by a 100W peak power motor and 6-blade disc, the mower cuts through dense grass with ease, delivering exceptional results every time.

EdgeSense™: Seamless Boarder Adaption

Effortlessly operates right up to pathway edges for a flawless, uncompromised cut along every transition.

Custom Plans for up to 20 Zones

Customize plans for up to 20 areas, setting a tailored mowing height and schedule in app on the fly.



Secure, Smart, and Fun

Hassle-Free Daily Experience

Quad-Layer Security with 24/7 Protection

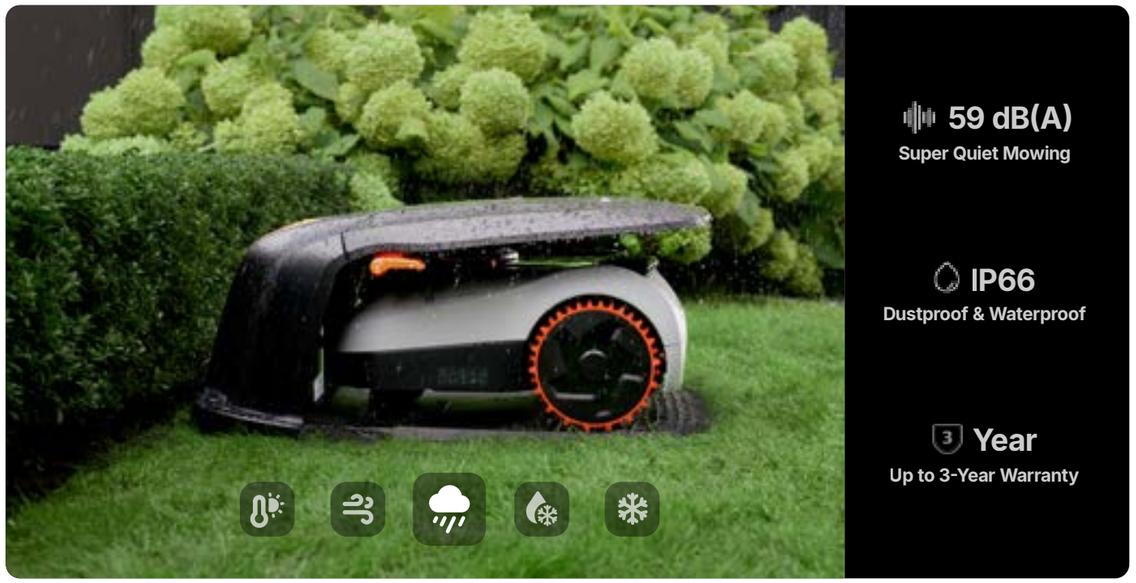
GPS tracking, geo-fence alarm, lifted alarm, and Apple Find My support ensures your mower stays protected when powered on or offline.

Creative Doodle Tool

Use the 26 letters and a range of preset shapes to turn your lawn into a personal canvas.

Extreme Weather Ready

When the mower detects heavy rain, snow, frost, strong wind or extreme heat, it will automatically pause mowing and return to the docking station.



Model	i215 LiDAR
Recommended Mowing Area	0.37 acre
Time Required for Recommended Mowing Area	16 Hours
Dimensions	25.0 × 17.5 × 11.3 in
Net Weight	32.4 lbs
Locating System	EFLS™ LiDAR (LiDAR + Vision)
Object Detection System	VisionFence™ (LiDAR + 140° RGB Camera)
Driving Engine	2 Rear Wheels
Noise Level	59 dB(A)
Protection Level	IP66
Weather Adaptive	Weather Forecast
Maximum Slope Ability	45% (24°)
Auto-Mapping	Yes
Auto-Recharge	Yes
Offset	1.18 in
Multi-Zone Management	20
GeoSketch	Yes
Battery Capacity	7.65 Ah
Charging Time	130 min
Full Charge Mowing Time	160 min
Mowing Area per Charge	0.105 acre
Mowing Area per Hour	0.0395 acre
Cutting Height	2–4 in (0.8–2.8 in with low-cutting kit)
Cutting Height Adjustment Method	Auto
Cutting Width	8.66 in
Cutting Disc	1 Disc, 6 Blades
GPS Tracking	Yes
Out-of-Boundary Alarm	Yes
Lifted Alarm	Yes
Proximity Unlock	Yes
Find My	Yes
Object Recognition	200+
Warranty	Device: 3 Years / Battery: 2 Years
Smart Home Integration	Alexa & Google Home
Connectivity	Bluetooth & Wi-Fi & Cellular *
Display	2.4-in Color LCD Screen
OTA Updates	Yes

*Connect+ (Cellular Connection): Offers a 4G connection for GPS tracking and the Geo-Fence alarm, enabling real-time mower location tracking. 1 year free for all i2 LiDAR models, renewable annually.

Navimow H2 Series

Always on Track. Master Every Scene.

AI triple fusion system: High-res solid-state LiDAR + Network RTK + Vision for absolute precision and reliability.

Unwavering Precision, Engineered for Complex Yards

AI Triple Fusion System

High-res solid-state LiDAR + Network RTK + Vision
Ultimate navigation

GeoSketch™

Real-scene map in app
Intuitive editing

LiDAR-Driven Slope Mastery

Terrain Adapt + Electronic Stability Control

Drop and Mow

No wires
No antenna
Automatic mapping

EdgeSense™

Zero-edge cutting with ride-on boundary mode
Cuts as close as 2 inches from walls

Unstoppable Cutting Performance

100W peak power motor
Anti-clogging disc + 6 blades
Rugged off-road tires

VisionFence™

Identifies 200+ obstacles
0.4 inch detection precision
Animal friendly

High-Resolution LiDAR
A Generational Leap, Redefining Precision Mapping

Groundbreaking 3D Spatial Intelligence

Pioneering LiDAR technology scans your space at nearly 200,000 points per second, meticulously crafting an ultra-dense 3D point cloud that leaves no dead zones. Every detail is captured to ensure accurate day-to-day navigation.

200,000 Pts/Sec

More Precise Capture

>4x Higher Resolution

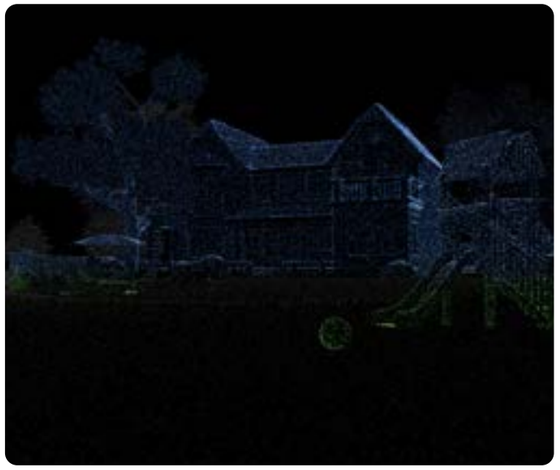
Sharper Details vs Others

230 ft Long Detection Range

Sees Farther

50 ms Scan Interval

Reacts Faster



Others

Navimow

Revolutionary GeoSketch™ Technology: Sees What Your Eyes See

Powered by high-res LiDAR and vision tech, the H2 transforms every lawn corner into an interactive map right on your phone. Visualize, edit, and command your mower with unparalleled accuracy. Drag and drop to customize the perfect track.

AI Triple Fusion System: LiDAR + NRTK + Vision

EFLS™ LiDAR⁺: Centimeter-Level Accuracy Anywhere, Anytime

The H2 Series redefines navigation with an integrated system that fuses LiDAR's spatial awareness and Network RTK's satellite precision with enhanced vision-provided assistance. It seamlessly switches position modes in just 20 ms for uncompromising performance.

Network RTK access as standard. No extra cost.

Under Trees

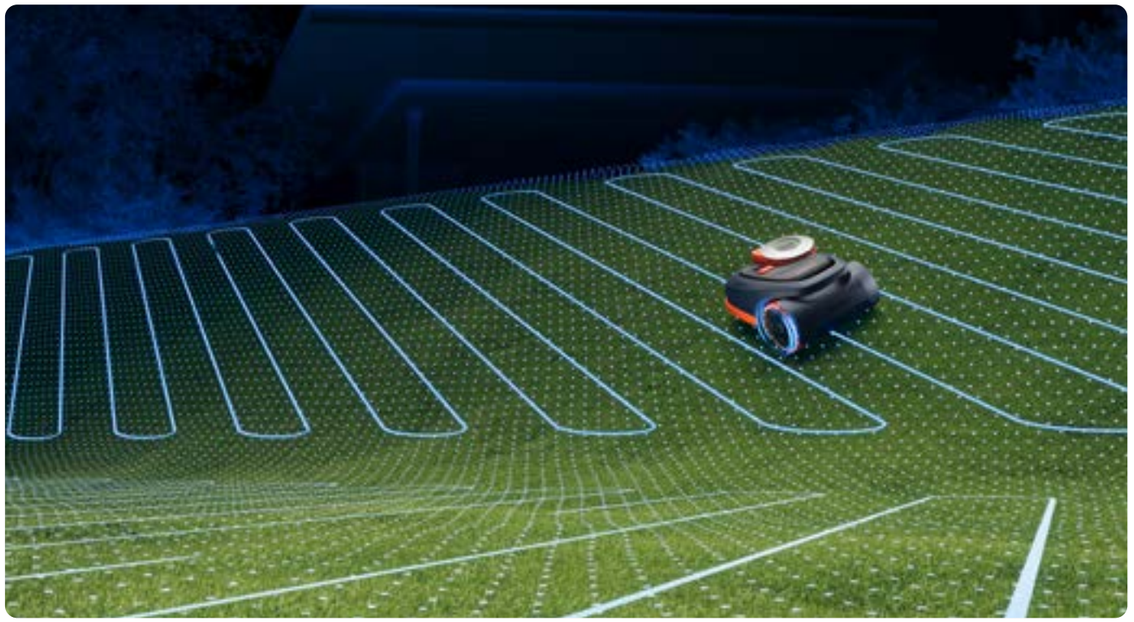
Through Narrow Paths

In Open Terrain

At Nighttime

LiDAR-Driven Slope Mastery

3D Terrain Adapt technology segments complex lawns into optimal work zones, selecting efficient mowing paths. Paired with a new **ESC (Electronic Stability Control)** system, the H2 precisely regulates wheels during turns to optimize the mower's center of gravity, tackling 45% (24°) slopes with ease.



VisionFence™: LiDAR + Vision Pinnacle Perception with 200+ Obstacle Avoidance

0.4 Inch Detection Accuracy: No detail is too small. High-res LiDAR and vision empower the H2 to flawlessly avoid even the smallest obstacles—chair legs, pets, toys, and more.

Suspended Objects: With 3D LiDAR perception, the mower intelligently assesses clearance (including swings, trampolines and more), passing underneath only when space permits. It confidently avoids hazardous areas like car undercarriages.

Animal Friendly: LiDAR's long-range detection ensures early recognition of over 20 animal types and maintains a 3.3-foot safe distance during operation. A 3-direction bumper sensor provides an extra layer of physical safety.

Built to Endure. Built-In Solid-State LiDAR Module

Unmatched durability proven through 60+ reliability tests and 50G vibration shocks, setting a new benchmark that far exceeds industry standards. The H2 takes on bumps and falling objects with confidence, maintaining unwavering performance throughout.

Skip the Hassle. Drop and Mow.

No wires, no antennas, and flexible dock placement—powered by advanced LiDAR navigation. Just unbox, connect, and press start for instant mapping. Enjoy a perfect lawn with less effort, plus easy voice control via Alexa and Google Home.

Powerful Mowing Right Down to Details

Unstoppable Cutting Performance for Complex Lawns

A 100W peak power motor, 6 blades, and an anti-clogging disc shred thick grass without hesitation.

Engineered with rugged off-road tires that deliver maximum traction while preserving grass health.

EdgeSense™: Perfection in the Smallest Spaces

Ride-On Mode: Glides across terrain and transitions effortlessly, delivering flawless cuts along edges.

Standard Mode: Cuts as close as 2 inches from walls and fences. Transforms untidy borders into crisp, clean lines.

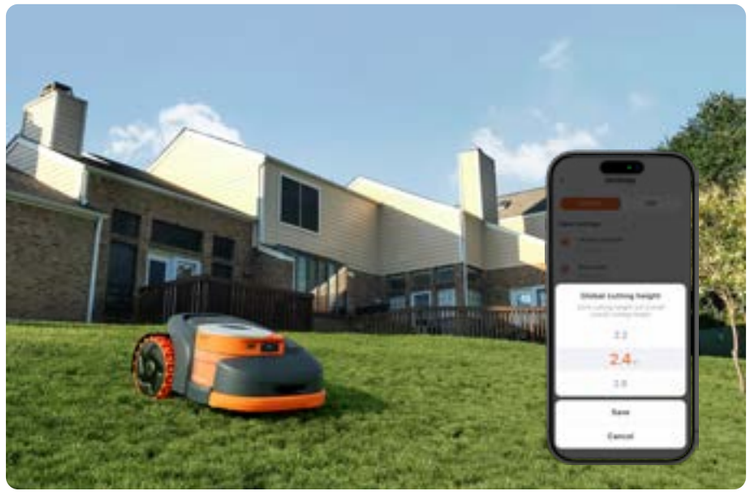
Relax, Everything's Handled

30-Zone Management

Schedule up to 30 unique areas so that every patch is perfectly manicured.

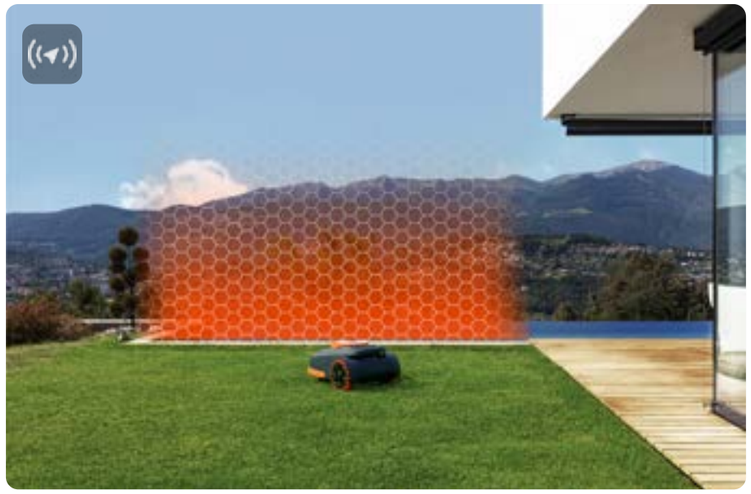
In-App Adjustable Cutting Height

Switch between two cutting ranges: 2-4 inches or a precise 0.8-2.8 inches, fully customizable in the app.



Quadruple Security System

GPS tracking, geo-fence alarm, lifted alarm and Apple Find My technology ensures your mower stays protected while powered on or offline.
Our **Proximity Unlock** automatically recognizes your phone, disabling alarms when you're nearby.



Extreme Weather Ready

A built-in rain sensor and weather forecasting keep your H2 one step ahead. When it detects heavy rain, snow, frost, strong wind, or extreme heat, it will automatically pause mowing and return to the docking station.

IP66 Dustproof & Waterproof

Hassle-free daily cleaning. Just rinse it off without worry.

Whisper-Quiet at 60 dB(A)

Operates at a soft, whisper-quiet level for peaceful, comfortable mowing.

Up to 3-Year Warranty

A 3-year warranty gives you complete peace of mind.

Model	H210	H220
Recommended Mowing Area	0.25 acre	0.5 acre
Time Required for Recommended Mowing Area	7.66 Hours	12.26 Hours
Dimensions	24.6 × 17.5 × 11.6 in	24.6 × 17.5 × 11.6 in
Net Weight	34.51 lbs	35.83 lbs
Locating System	EFLS™ LiDAR+ (LiDAR + NRTK + Vision)	EFLS™ LiDAR+ (LiDAR + NRTK + Vision)
Object Detection System	VisionFence™ (LiDAR + 140° RGB Camera)	VisionFence™ (LiDAR + 140° RGB Camera)
Driving Engine	2 Rear Wheels	2 Rear Wheels
Noise Level	60 dB(A)	60 dB(A)
Protection Level	IP66	IP66
Weather Adaptive	Weather Forecast + Rain Sensor	Weather Forecast + Rain Sensor
Maximum Slope Ability	45% (24°)	45% (24°)
Auto-Mapping	Yes	Yes
Auto-Recharge	Yes	Yes
Offset	1.18 in	1.18 in
Multi-Zone Management	30	30
GeoSketch™	Yes	Yes
Battery Capacity	5.1 Ah	10 Ah
Charging Time	70 min	120 min
Full Charge Mowing Time	110 min	220 min
Mowing Area per Charge	0.086 acre	0.22 acre
Mowing Area per Hour	0.047 acre	0.06 acre
Cutting Height	2–4 in (0.8–2.8 in with low-cutting kit)	2–4 in (0.8–2.8 in with low-cutting kit)
Cutting Height Adjustment Method	Auto	Auto
Cutting Width	8.66 in	8.66 in
Anti-Clogging Cutting Disc	Yes	Yes
Cutting Disc	1 Disc, 6 Blades	1 Disc, 6 Blades
GPS tracking	Yes	Yes
Out-of-Boundary Alarm	Yes	Yes
Lifted Alarm	Yes	Yes
Proximity Unlock	Yes	Yes
"Find My" Compatible	Yes	Yes
Object Recognition	200+	200+
Warranty	Device: 3 Years / Battery: 2 Years	Device: 3 Years / Battery: 2 Years
Smart Home Integration	Alexa & Google Home	Alexa & Google Home
Connectivity	Bluetooth & Wi-Fi & Cellular *	Bluetooth & Wi-Fi & Cellular *
Display	2.4-in Color LCD Screen	2.4-in Color LCD Screen
OTA Updates	Yes	Yes

*Connect+ (Cellular Connection): Offers a 4G connection for GPS tracking and the Geo-Fence alarm, enabling real-time mower location tracking. 1 year free for H210 and H220 models, renewable for all models annually.

Navimow X3 Series

Master Efficiency, Embrace Simplicity

Efficient and effortless lawn care solution for lawns up to 2.5 acres

Navimow X3 Series

Dot Matrix Screen

Clear status display and update

RTK Module

Supports 3-frequency RTK, improving performance

Built-in Hub Motor

Motor power increased by 25% for enhanced performance

Headlight

Nighttime illumination

Left, Right, and Front Camera Sensors

300° camera system provides object detection and EFLS™ NRTK positioning enhancement

Bump Sensor

Protection over collision

EFLS™ NRTK: Precision Positioning, Extended Signal Coverage

EFLS™ NRTK, featuring major upgrades in RTK coverage, VSLAM (Visual Simultaneous Localization and Mapping), and VIO (Visual Inertial Odometry) technology. This state-of-the-art system ensures unparalleled stability and precision, even in challenging signal environments. Supports dual RTK signals with an upgrade to triple-frequency observation for extended coverage. With enhanced RTK capabilities and superior VSLAM performance, the EFLS™ NRTK delivers exceptional accuracy and reliability for flawless operation in complex settings.

Unrivaled Precision with Upgraded RTK System and 300-Degree Visual Assistance

The Segway Navimow X3 Series features a revolutionary upgrade with its RTK system. This technology significantly boosts satellite observational capacity by 40% * and enhances RTK performance and accuracy. The Segway Navimow X3 Series also integrates 300-degree wide-angle visual assistance. This combination supplies an unmatched level of precision, ensuring your lawn is maintained with the highest level of accuracy in complex settings.

* Based on internal laboratory testing, the satellite observation capacity increases by 40% compared to the previous solution.

VisionFence™: AI-Powered Obstacle Avoidance

Upgraded VisionFence™ technology empowers the Segway Navimow X3 Series with an unprecedented 300-degree field of view and efficient AI route planning that enables highly reliable obstacle avoidance.

Easily Handles Slopes up to 50%

Our superior design conquers even the most challenging terrains with ease, and can handle slopes up to 50% for more versatile performance.

No Cables. Effortless Setup.

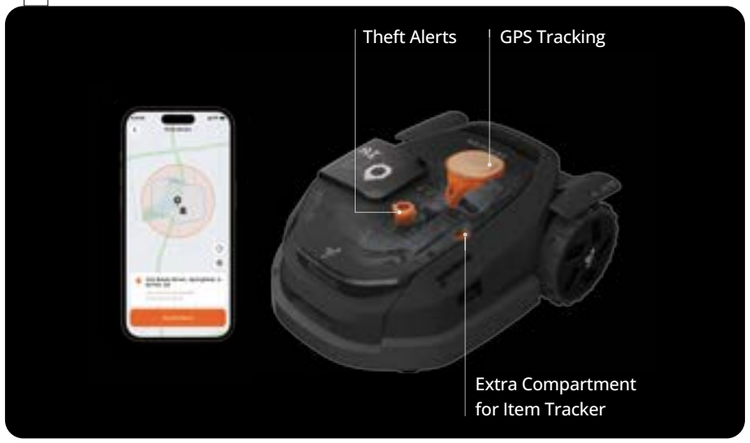
Easily connect and control your robotic mower with the Navimow app. With AI Assist Mapping, your X3 series mower can automatically navigate and map your entire work area, making setup a breeze. Just a few taps allow you to establish virtual boundaries, mark off-limit areas, and create safe channels to connect multiple zones.

Fast Setup with Intelligent Site Selection

Antenna Location Finder simplifies setup by analyzing RTK positioning and signal strength to recommend optimal locations for your charging dock and antenna base. This ensures reliable docking, minimal signal issues, and a more hassle-free overall use experience.

Ultra-Quiet Operation: Lawn Care Without the Noise

Ultra-quiet operation reduces mowing noise to just 60 dB(A)—as quiet as a home air conditioner and half that of fuel-powered mowers. Maintain a pristine lawn without disturbing family or neighbors, and enjoy a high-quality mowing experience that's both easy to manage and surprisingly quiet.



Unmatched Security

The X3 offers four advanced security features, including outside-of-boundary alarms and lift alerts, to help ensure your mower stays safe. GPS tracking allows you to easily find your mower's location using the Navimow app, and secret compartments even allow storage of additional item trackers. Enjoy worry-free lawn care knowing your mower is secure and easily locatable.

Mow with Voice Commands

Take convenience to the next level with Alexa and Google Home voice control, allowing you to manage your mowing with simple voice commands. Whether it's starting, stopping, or scheduling, this seamless integration into your smart home system lets you enjoy a smarter, more efficient lawn care experience.

Models	X315	X330	X350	X390
Recommended Mowing Area	0.5 acre	1 acre	1.5 acres	2.5 acres
Dimensions	27.5 × 21.7 × 12.1 in	27.5 × 21.7 × 12.1 in	27.5 × 21.7 × 12.1 in	27.5 × 21.7 × 12.1 in
Weight	43.1 lbs	43.7 lbs	43.7 lbs	43.9 lbs
Systematic Mowing	Yes	Yes	Yes	Yes
Cutting Height	2–4 in	2–4 in	2–4 in	2–4 in
Blade Adjustment Method	Auto	Auto	Auto	Auto
Cutting Width	9.3 in	9.3 in	9.3 in	9.3 in
Number of Blades	6	6	6	6
Maximum Slope Ability	50% (27°)	50% (27°)	50% (27°)	50% (27°)
Maximum Slope Performance at Boundary	25% (14°)	25% (14°)	25% (14°)	25% (14°)
Battery Capacity	6 Ah	8 Ah	10 Ah	12.8 Ah
Charging Time	60 min	65 min	80 min	100 min
Maximum Mowing Speed	2.6 ft/s	2.6 ft/s	3.3 ft/s	3.3 ft/s
Full Charge Mowing Time	120 min	160 min	200 min	240 min
Continuous Mowing Area per Day	0.98 acre	1.11 acres	1.35 acres	1.35 acres
Locating System	EFLS™ NRTK	EFLS™ NRTK	EFLS™ NRTK	EFLS™ NRTK
Object Detection System	VisionFence™ (300° RGB Camera + ToF)	VisionFence™ (300° RGB Camera + ToF)	VisionFence™ (300° RGB Camera + ToF)	VisionFence™ (300° RGB Camera + ToF)
Driving Engine	Rear-wheel drive	Rear-wheel drive	Rear-wheel drive	Rear-wheel drive
Noise Level	60 dB(A)	60 dB(A)	60 dB(A)	60 dB(A)
Supports Expansion Accessories	Yes	Yes	Yes	Yes
Protection Level	IP66	IP66	IP66	IP66
Weather Resilient	Weather forecast + rain sensor	Weather forecast + rain sensor	Weather forecast + rain sensor	Weather forecast + rain sensor
Auto-Recharge	Yes	Yes	Yes	Yes
Smart Home Integration	Alexa & Google Home	Alexa & Google Home	Alexa & Google Home	Alexa & Google Home
Connectivity (Bluetooth & Wi-Fi & 4G)	Bluetooth & Wi-Fi & 4G (1 year free)	Bluetooth & Wi-Fi & 4G (2 years free)	Bluetooth & Wi-Fi & 4G (3 years free)	Bluetooth & Wi-Fi & 4G (5 years free)
Display	Dot-matrix display	Dot-matrix display	Dot-matrix display	Dot-matrix display
App Control	●	●	●	●
OTA Updates	●	●	●	●
GPS Theft Tracking	●	●	●	●
PIN Code	●	●	●	●
Anti-Theft Alarm	●	●	●	●
Mower Lifted Alarm	●	●	●	●
Child Lock	●	●	●	●

○ Optional ● Standard - Unavailable

Navimow i1 Series

Effortless Lawn Care for Compact Lawns

Best smart mowing solution for lawns under 0.25 acre

Navimow i1 Series

Full Connection

4G*, Wi-Fi and Bluetooth connectivity

* Accessory (Navimow Access+) required. Sold separately.

Adjustable Cutting Height

Cutting height adjustable from 2–3.6 in

Ultra-low Noise

Operates at just 58 dB(A)

EFLS™ 2.0

Enhanced with visual recognition, stable inch-level positioning for diverse lawn layouts

Clear Indication

Easy-to-read status updates on a digital display screen, along with LED lights and sound cues

Simple Control

Intuitive and easy-to-use control panel

Easy to Wash and Clean

IP66 protection level ensures easy cleaning with a garden hose

Easy Lift

Hidden handle for easy lift

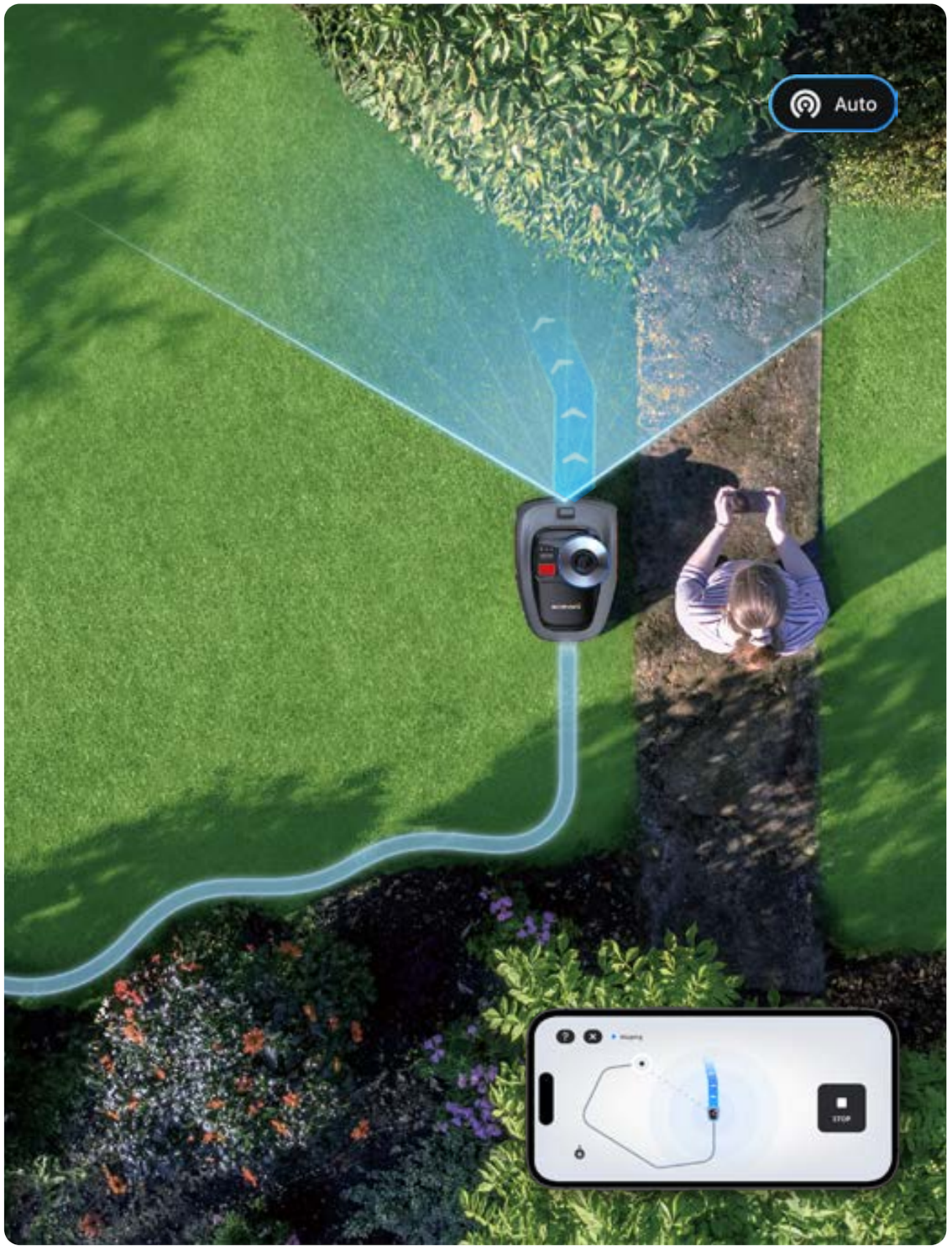
EFLS™ 2.0: Vision-Enhanced with Inch-Level Precision

EFLS™ 2.0 elevates positioning accuracy with Visual SLAM (Simultaneous Localization and Mapping) technology, allowing the camera to create 3D maps and improve positioning in low-satellite-signal areas. Whether for large or small, simple or complex lawns, EFLS™ 2.0 consistently provides precise, reliable, and inch-level accuracy.

Effortless Mapping with AI

With the all-new AI-powered Assist Mapping feature*, Navimow identifies the clear edges of your lawn during mapping and automatically navigates and maps the entire working area. It's that simple.

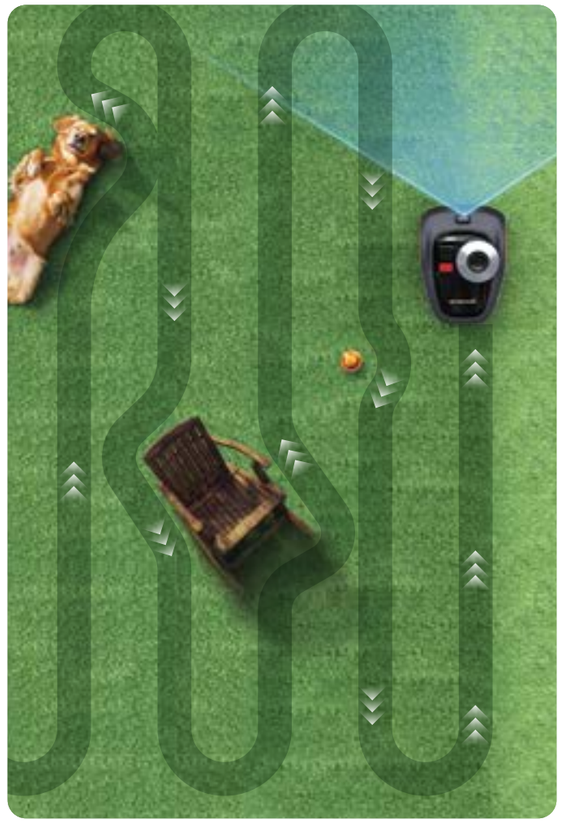
* This feature is unavailable while adding off-limit islands and channels. Use with caution in areas with low light, unclear lawn boundaries, and height differences at the boundaries that may cause the mower to tilt or fall over.



Enhanced Edge Mowing, Delivering a Perfect Lawn Finish

Standard Boundary: The default standard boundary mowing mode cuts close to the edge while maintaining a safe buffer distance, meeting most mowing requirements with ease.

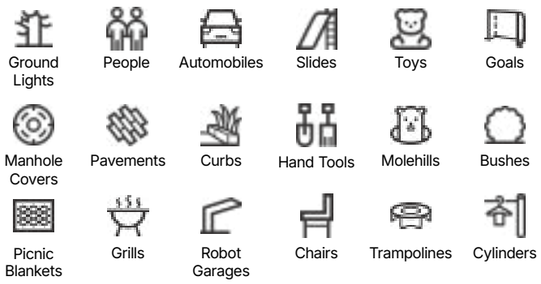
Ride-on Boundary: When switched to ride-on mode, the mower follows the edge precisely, delivering a pristine, ultra-clean finish. With enhanced edge mowing, it leaves minimal grass along the edges for a flawless result.



AI-Enhanced Obstacle Avoidance for Worry-Free Mowing

With a 140° fish-eye camera and AI algorithms, the mower distinguishes grass from over 150 common obstacles like pets, furniture, and outdoor equipment, keeping mowing safe and worry-free.

Identifies 150+ Obstacles



Ultimate Multi-Zone Management

Smart zone management allows you to create multi-zone plans, define mowing and no-go zones, and build safe channels to connect multiple zones, supporting up to 12 zones for unmatched mowing flexibility.

Surprisingly Quiet Mowing at Just 58 dB(A)

Low-noise mowing has arrived. Whether it's early in the morning or late in the evening, this surprisingly quiet robotic mower is ready to get the job done without disturbing you or your neighbors.

Models	i105	i110
Recommended Mowing Area	0.125 acre	0.25 acre
Dimensions	21.4 × 15.1 × 11.2 in	21.4 × 15.1 × 11.2 in
Weight	24.03 lbs	24.03 lbs
Systematic Mowing	Yes	Yes
Cutting Height	2–3.6 in	2–3.6 in
Blade Adjustment Method	Manual	Manual
Cutting Width	7.1 in	7.1 in
Number of Blades	3	3
Maximum Slope Ability	30% (17°)	30% (17°)
Maximum Slope Performance at Boundary	10% (6°)	10% (6°)
Battery Capacity	2.55 Ah	5.1 Ah
Charging Time	90 min	120 min
Maximum Mowing Speed	1.6 ft/s	1.6 ft/s
Full Charge Mowing Time	60 min	120 min
Continuous Mowing Area per Day	-	-
Locating System	EFLS™ 2.0	EFLS™ 2.0
Object Detection System	VisionFence™(140° RGB Camera)	VisionFence™(140° RGB Camera)
Driving Engine	Front-wheel drive	Front-wheel drive
Noise Level	58 dB(A)	58 dB(A)
Supports Expansion Accessories	No	No
Protection Level	IP66	IP66
Weather Resilient	Weather forecast	Weather forecast
Auto-Recharge	Yes	Yes
Smart Home Integration	Alexa & Google Home	Alexa & Google Home
Connectivity (Bluetooth & Wi-Fi & 4G)	Bluetooth & Wi-Fi & 4G (optional)	Bluetooth & Wi-Fi & 4G (optional)
Display	LED display screen	LED display screen
App Control	●	●
OTA Updates	●	●
GPS Theft Tracking	●*	●*
PIN Code	●	●
Anti-Theft Alarm	●*	●*
Mower Lifted Alarm	●	●
Child Lock	●	●

○ Optional ● Standard - Unavailable
●*: Extended connectivity requires the Navimow Access+ 4G module

Models	X430	X450	i206 AWD	i210 AWD
Recommended Mowing Area	1 acre	1.5 acres	0.15 acre	0.25 acre
Time Required for Recommended Mowing Area	15 Hours	23 Hours	9.6 Hours	16 Hours
Dimensions	33.5 × 24.0 × 13.8 in	33.5 × 24.0 × 13.8 in	21.4 × 15.1 × 11.2 in	21.4 × 15.1 × 11.2 in
Net Weight	63.71 lbs	63.71 lbs	26.56 lbs	27.12 lbs
Locating System	EFLS™ NRTK (NRTK + 360° Vision + VIO)	EFLS™ NRTK (NRTK + 360° Vision + VIO)	EFLS™ NRTK (NRTK + Vision)	EFLS™ NRTK (NRTK + Vision)
Object Detection System	VisionFence™ (360° RGB Camera + ToF)	VisionFence™ (360° RGB Camera + ToF)	VisionFence™ (140° RGB Camera)	VisionFence™ (140° RGB Camera)
Driving Engine	4WD with dual independent steering motors	4WD with dual independent steering motors	3 AWD	3 AWD
Noise Level	68 dB(A)	68 dB(A)	59 dB(A)	59 dB(A)
Protection Level	IP66	IP66	IP66	IP66
Weather Adaptive	Weather Forecast + Rain Sensor	Weather Forecast + Rain Sensor	Weather Forecast	Weather Forecast
Maximum Slope Ability	84% (40°)	84% (40°)	45% (24°)	45% (24°)
Auto-Mapping	Yes	Yes	Yes	Yes
Auto-Recharge	Yes	Yes	Yes	Yes
Offset	2.8 in (5.9 in for gentle slopes)	2.8 in (5.9 in for gentle slope)	1.57 in	1.57 in
Multi-Zone Management	120	120	20	20
GeoSketch™	Yes	Yes	No	No
Battery Capacity	12.8 Ah	12.8 Ah	2.55 Ah	5.1 Ah
Charging Time	90 min	90 min	60 min	120 min
Full Charge Mowing Time	110 min	110 min	60 min	120 min
Mowing Area per Charge	0.22 acre	0.27 acre	0.03 acre	0.06 acre
Mowing Area per Hour	0.12 acre	0.15 acre	0.03 acre	0.03 acre
Cutting Height	0.75–4 in	0.75–4 in	2–3.6 in	2–3.6 in
Cutting Height Adjustment Method	Auto	Auto	Manual	Manual
Cutting Width	17 in	17 in	7.1 in	7.1 in
Floating Cut System	Yes	Yes	No	No
Anti-Clogging Cutting Disc	Yes	Yes	No	No
Cutting Disc	2 Discs, 12 Blades	2 Discs, 12 Blades	1 Disc, 5 Blades	1 Disc, 5 Blades
GPS Tracking	Yes	Yes	Yes	Yes
Out-of-Boundary Alarm	Yes	Yes	Yes	Yes
Lifted Alarm	Yes	Yes	Yes	Yes
Proximity Unlock	Yes	Yes	No	No
Find My	Yes	Yes	No	No
Object Recognition	200+	200+	150+	150+
Warranty	Device: 3 Years / Battery: 2 Years	Device: 3 Years / Battery: 2 Years	Device: 3 Years / Battery: 2 Years	Device: 3 Years / Battery: 2 Years
Smart Home Integration	Alexa & Google Home	Alexa & Google Home	Alexa & Google Home	Alexa & Google Home
Connectivity	Bluetooth & Wi-Fi & Cellular*	Bluetooth & Wi-Fi & Cellular *	Bluetooth & Wi-Fi & Cellular *	Bluetooth & Wi-Fi & Cellular *
Display	3.5-in Color LCD Screen	3.5-in Color LCD Screen	LED Digital Display	LED Digital Display
OTA Updates	Yes	Yes	Yes	Yes
	*Connect+ (Cellular Connection): Offers a 4G connection for GPS tracking and the Geo-Fence alarm, enabling real-time mower location tracking. 1 year free for X430 and 2 years free for X450, renewable annually.		*Connect+ (Cellular Connection): Offers a 4G connection for GPS tracking and the Geo-Fence alarm, enabling real-time mower location tracking. 1 year free for all i2 AWD models, renewable annually.	

Models	i215 LiDAR	H210	H220
Recommended Mowing Area	0.37 acre	0.25 acre	0.5 acre
Time Required for Recommended Mowing Area	16 Hours	7.66 Hours	12.26 Hours
Dimensions	25 × 17.5 × 11.3 in	24.6 × 17.5 × 11.6 in	24.6 × 17.5 × 11.6 in
Net Weight	32.4 lbs	34.51 lbs	35.83 lbs
Locating System	EFLS™ LiDAR (LiDAR + Vision)	EFLS™ LiDAR+ (LiDAR + NRTK + Vision)	EFLS™ LiDAR+ (LiDAR + NRTK + Vision)
Object Detection System	VisionFence™ (LiDAR + 140° RGB Camera)	VisionFence™ (140° RGB Camera + LiDAR)	VisionFence™ (140° RGB Camera + LiDAR)
Driving Engine	2 Rear Wheels	2 Rear Wheels	2 Rear Wheels
Noise Level	59 dB(A)	60 dB(A)	60 dB(A)
Protection Level	IP66	IP66	IP66
Weather Adaptive	Weather Forecast	Weather Forecast + Rain Sensor	Weather Forecast + Rain Sensor
Maximum Slope Ability	45% (24°)	45% (24°)	45% (24°)
Auto-Mapping	Yes	Yes	Yes
Auto-Recharge	Yes	Yes	Yes
Offset	1.18 in	1.18 in	1.18 in
Multi-Zone Management	20	30	30
GeoSketch™	Yes	Yes	Yes
Battery Capacity	7.65 Ah	5.1 Ah	10 Ah
Charging Time	130 min	70 min	120 min
Full Charge Mowing Time	160 min	110 min	220 min
Mowing Area per Charge	0.105 acre	0.086 acre	0.22 acre
Mowing Area per Hour	0.0395 acre	0.047 acre	0.06 acre
Cutting Height	2–4 in (0.8–2.8 in with low-cutting kit)	2–4 in (0.8–2.8 in with low-cutting kit)	2–4 in (0.8–2.8 in with low-cutting kit)
Cutting Height Adjustment Method	Auto	Auto	Auto
Cutting Width	8.66 in	8.66 in	8.66 in
Floating Cut System	No	No	No
Anti-Clogging Cutting Disc	No	Yes	Yes
Cutting Disc	1 Disc, 6 Blades	1 Disc, 6 Blades	1 Disc, 6 Blades
GPS Tracking	Yes	Yes	Yes
Out-of-Boundary Alarm	Yes	Yes	Yes
Lifted Alarm	Yes	Yes	Yes
Proximity Unlock	Yes	Yes	Yes
Find My	Yes	Yes	Yes
Object Recognition	200+	200+	200+
Warranty	Device: 3 Years / Battery: 2 Years	Device: 3 Years / Battery: 2 Years	Device: 3 Years / Battery: 2 Years
Smart Home Integration	Alexa & Google Home	Alexa & Google Home	Alexa & Google Home
Connectivity	Bluetooth & Wi-Fi & Cellular *	Bluetooth & Wi-Fi & Cellular *	Bluetooth & Wi-Fi & Cellular *
Display	2.4-in Color LCD Screen	2.4-in Color LCD Screen	2.4-in Color LCD Screen
OTA Updates	Yes	Yes	Yes
	*Connect+ (Cellular Connection): Offers a 4G connection for GPS tracking and the Geo-Fence alarm, enabling real-time mower location tracking. 1 year free for all i2 LiDAR models, renewable annually.	*Connect+ (Cellular Connection): Offers a 4G connection for GPS tracking and the Geo-Fence alarm, enabling real-time mower location tracking. 1 year free for H210 and H220 models, renewable for all models annually.	

Models	**X315**	**X330**	**X350**	**X390**
Recommended Mowing Area	0.5 acre	1 acre	1.5 acres	2.5 acres
Dimensions	27.5 × 21.7 × 12.1 in	27.5 × 21.7 × 12.1 in	27.5 × 21.7 × 12.1 in	27.5 × 21.7 × 12.1 in
Weight	43.1 lbs	43.7 lbs	43.7 lbs	43.9 lbs
Systematic Mowing	Yes	Yes	Yes	Yes
Cutting Height	2–4 in	2–4 in	2–4 in	2–4 in
Blade Adjustment Method	Auto	Auto	Auto	Auto
Cutting Width	9.3 in	9.3 in	9.3 in	9.3 in
Number of Blades	6	6	6	6
Maximum Slope Ability	50% (27°)	50% (27°)	50% (27°)	50% (27°)
Maximum Slope Performance at Boundary	25% (14°)	25% (14°)	25% (14°)	25% (14°)
Battery Capacity	6 Ah	8 Ah	10 Ah	12.8 Ah
Charging Time	60 min	65 min	80 min	100 min
Maximum Mowing Speed	2.6 ft/s	2.6 ft/s	3.3 ft/s	3.3 ft/s
Full Charge Mowing Time	120 min	160 min	200 min	240 min
Continuous Mowing Area per Day	0.98 acre	1.11 acres	1.35 acres	1.35 acres
Locating System	EFLS™ NRTK	EFLS™ NRTK	EFLS™ NRTK	EFLS™ NRTK
Object Detection System	VisionFence™ (300° RGB Camera + ToF)	VisionFence™ (300° RGB Camera + ToF)	VisionFence™ (300° RGB Camera + ToF)	VisionFence™ (300° RGB Camera + ToF)
Driving Engine	Rear-wheel drive	Rear-wheel drive	Rear-wheel drive	Rear-wheel drive
Noise Level	60 dB(A)	60 dB(A)	60 dB(A)	60 dB(A)
Supports Expansion Accessories	Yes	Yes	Yes	Yes
Protection Level	IP66	IP66	IP66	IP66
Weather Resilient	Weather forecast + rain sensor	Weather forecast + rain sensor	Weather forecast + rain sensor	Weather forecast + rain sensor
Auto-Recharge	Yes	Yes	Yes	Yes
Smart Home Integration	Alexa & Google Home	Alexa & Google Home	Alexa & Google Home	Alexa & Google Home
Connectivity (Bluetooth & Wi-Fi & 4G)	Bluetooth & Wi-Fi & 4G (1 year free)	Bluetooth & Wi-Fi & 4G (2 years free)	Bluetooth & Wi-Fi & 4G (3 years free)	Bluetooth & Wi-Fi & 4G (5 years free)
Display	Dot-matrix display	Dot-matrix display	Dot-matrix display	Dot-matrix display
App Control	●	●	●	●
OTA Updates	●	●	●	●
GPS Theft Tracking	●	●	●	●
PIN Code	●	●	●	●
Anti-Theft Alarm	●	●	●	●
Mower Lifted Alarm	●	●	●	●
Child Lock	●	●	●	●

○ Optional ● Standard - Unavailable ●*:Extended connectivity requires the Navimow Access+ 4G module

	i105	**i110**
Recommended Mowing Area	0.125 acre	0.25 acre
Dimensions	21.4 × 15.1 × 11.2 in	21.4 × 15.1 × 11.2 in
Weight	24.03 lbs	24.03 lbs
Systematic Mowing	Yes	Yes
Cutting Height	2–3.6 in	2–3.6 in
Blade Adjustment Method	Manual	Manual
Cutting Width	7.1 in	7.1 in
Number of Blades	3	3
Maximum Slope Ability	30% (17°)	30% (17°)
Maximum Slope Performance at Boundary	10% (6°)	10% (6°)
Battery Capacity	2.55 Ah	5.1 Ah
Charging Time	90 min	120 min
Maximum Mowing Speed	1.6 ft/s	1.6 ft/s
Full Charge Mowing Time	60 min	120 min
Continuous Mowing Area per Day	-	-
Locating System	EFLS™ 2.0	EFLS™ 2.0
Object Detection System	VisionFence™(140° RGB Camera)	VisionFence™(140° RGB Camera)
Driving Engine	Front-wheel drive	Front-wheel drive
Noise Level	58 dB(A)	58 dB(A)
Supports Expansion Accessories	No	No
Protection Level	IP66	IP66
Weather Resilient	Weather forecast	Weather forecast
Auto-Recharge	Yes	Yes
Smart Home Integration	Alexa & Google Home	Alexa & Google Home
Connectivity (Bluetooth & Wi-Fi & 4G)	Bluetooth & Wi-Fi & 4G (optional)	Bluetooth & Wi-Fi & 4G (optional)
Display	LED display screen	LED display screen
App Control	●	●
OTA Updates	●	●
GPS Theft Tracking	●*	●*
PIN Code	●	●
Anti-Theft Alarm	●*	●*
Mower Lifted Alarm	●	●
Child Lock	●	●

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Commercial Solution

Smart. Professional. Productive Ground Care.

Navimow Commercial Solution

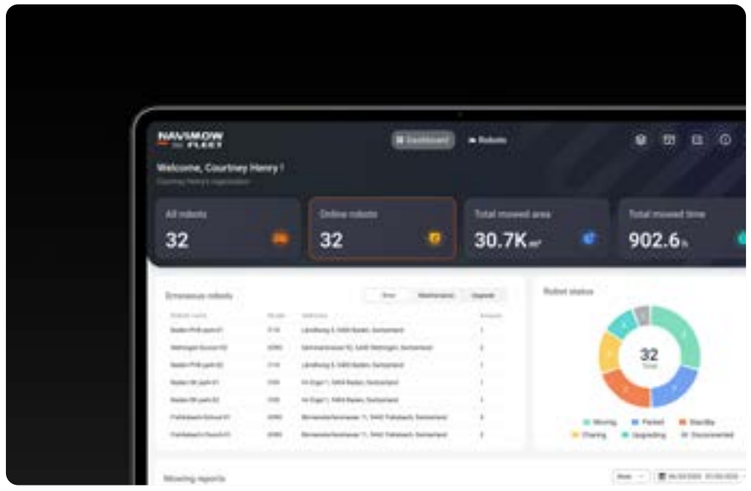
Providing efficient, professional, and green lawn maintenance solutions, we are committed to helping partners tackle labor shortages, enhance mowing efficiency and quality, and reduce operating costs.

Navimow Terranox Robotic Mowers

Autonomous operation
All terrain
Precision positioning &
auto-mapping system
24/7 continuously operation capabilities

NavimowFleet™

24/7 Monitoring
Remote mower control
Effortless management



Navimow Care & Support

Full warranty
Over 400+ service hubs
End-to-end service

Engineered for Large, Complex Commercial Turf Management Applications

Navimow delivers top robotic mowing solutions for 24/7 beautiful turf. Emission-free, nearly silent, our mowers offer high-quality cuts and costs savings—ideal for sports fields, city greens, hotels, etc.

Sports Turf

City Greens

Golf Courses

Hotels & Resorts

Navimow Terranox CM120M1 | CM240M1

Meet the next generation of commercial robotic mowers. Smart. Professional. Productive.

Effortless Management with Navimow App

Auto Mapping Supported
Remote Monitor and Control
Easy Management via NavimowFleet™

Efficiency Guaranteed

Maximum Mowing Area
3 acres | 6 acres
Time of mowing a football field: 24 hours

Completely Green

Zero Direct Emissions

Quiet Operaton

Under 68 dB(A)

Highly Precise

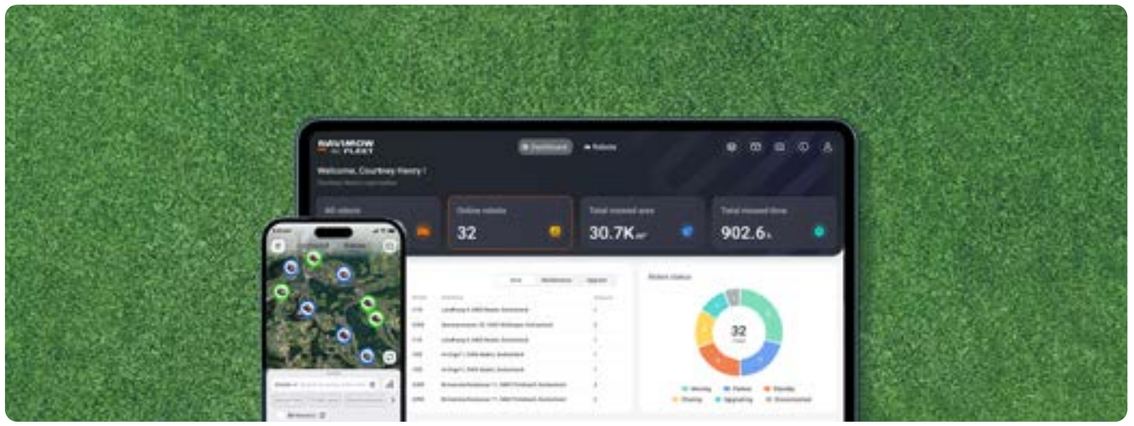
EFLS™ NRTK (NRTK + 360° Vision + VIO)

No Grass Damage

AWD Drivetrain & Technology

NavimowFleet™ Service

A digital tool that gives you an overview of your entire fleet – including each machine's geographical position, work performance and technical status – right on your smartphone, tablet or laptop.



24/7 Monitoring

Remote Control

Effortless management

Models	CM120M1	CM240M1
Maximum Mowing Area	3 acres	6 acres
Dimensions	33.5 × 24.0 × 13.8 in	33.5 × 24.0 × 13.8 in
Net Weight	65.26 lbs	66.02 lbs
Locating System	EFLS™ NRTK (NRTK + 360°Vision + VIO)	EFLS™ NRTK (NRTK + 360°Vision + VIO)
Object Detection System	VisionFence™ (360° RGB Camera + ToF)	VisionFence™ (360° RGB Camera + ToF)
Driving Engine	4WD with dual independent steering motors	4WD with dual independent steering motors
Noise Level	68 dB(A)	68 dB(A)
Protection Level	IP66	IP66
Weather Adaptive	Weather Forcast + New Rain Sensor	Weather Forcast + New Rain Sensor
Maximum Slope Capability	84% (40°)	84% (40°)
Antenna Installation Request	Optional	Optional
Auto-Mapping	Yes	Yes
Auto-Recharge	Yes	Yes
Offset	2.8 in (5.9 in for gentle slopes)	2.8 in (5.9 in for gentle slopes)
Multi-Zone Management	Yes	Yes
Signal Enhancement Antenna	Yes	Yes
Battery Capacity	20 Ah	25 Ah
Charging Time	145 min	180 min
Full Charge Mowing Time	145 min	180 min
Mowing Area per Charge	0.37 acre	0.5 acre
Cutting Height	0.75–4 in	0.75–4 in
Cutting Height Adjustment Method	Auto	Auto
Cutting Width	17 inch	17 inch
Floating Cut System	Yes	Yes
Anti-Clogging Cutting Disc	Yes	Yes
Cutting Disc	2 discs, 12 blades	2 discs, 12 blades
GPS Tracking	Yes	Yes
Out-of-Boundary Alarm	Yes	Yes
Object Recognition	200+	200+
Warranty	Device: 2 Years / Battery: 1 Year	Device: 2 Years / Battery: 1 Year
Connectivity	Bluetooth & Wi-Fi & Cellular	Bluetooth & Wi-Fi & Cellular
Display	3.5-in Color LCD Screen	3.5-in Color LCD Screen
OTA Updates	Yes	Yes

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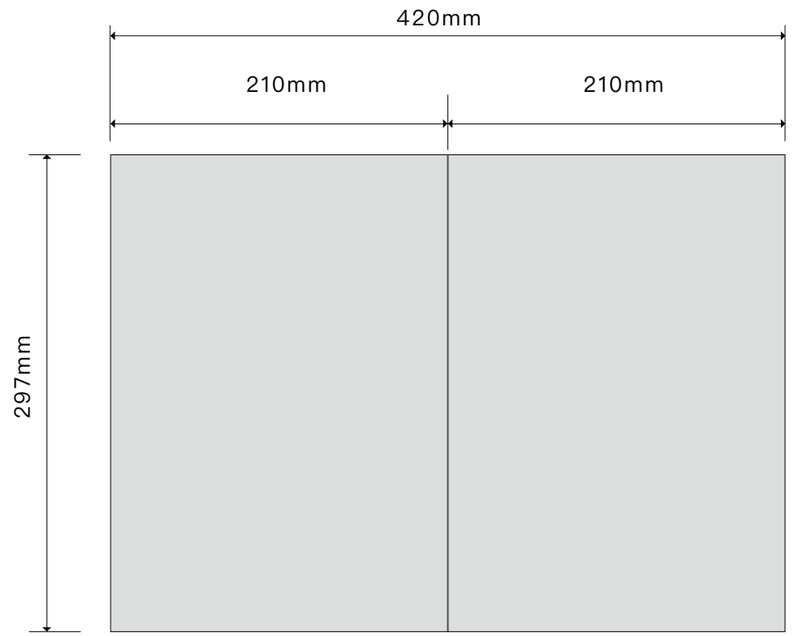
图示	
——	裁切线
——	出血线

成型尺寸	210*297mm
展开尺寸	420*297mm
装订方式	胶装
纸张规格	封面：**250g** 双铜；内页 **100g** 双铜
公差（无特殊说明下）	



技术说明：

1、材质：封面 250g 铜版纸，覆哑膜，内页 100g 铜版纸

2、印刷颜色 :CMYK，Pantone 172C　　PANTONE Cool Gray 6 C

3、外观工艺要求：图案、字体完整，清晰；表面洁净；不许有明显的外观不良

4、其它：化学环保要求：欧盟 ROHS;REACH-SVHC;REACH 附录 17; POPs;TSCA;CA65;TPCH 新增 ;MOAH&MOSH;

				工艺类别			S26 Catalogue
				营销物料定制			
				等级	质量		/
标记	处数	更改文件号		B			
设计	盛宏倩 赵洋 杨淦存 毛明 王姝丹	20261113		版本	图幅	比例	
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校准	市场部	20261113		投影视角			Navimow
标准化			批准	第 1 页	共 64 页		