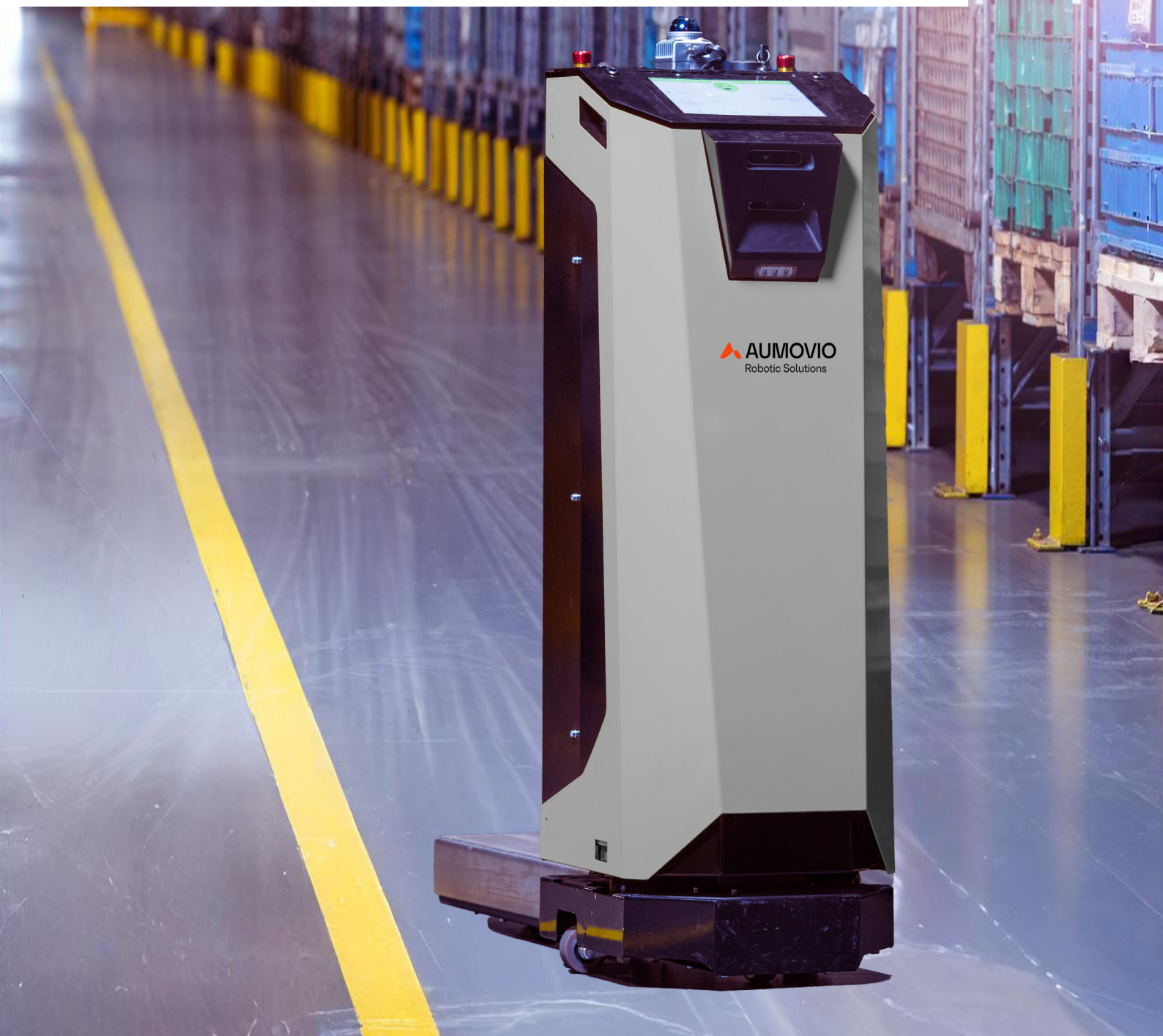
AUMOVIO
Robotic Solutions

NXS 300

Autonomous Mobile Robot



Compact by design.
Strong in performance.

Autonomous Mobile Robot, NXS 300

Technical Data (Metric)

Dimensions	
Lenght	Base Version: 1057 mm | Extended Version: 1257 mm
Width	408 mm
Height	1220 mm
Weight	165 kg
Ground Clearance	26 mm

Performance Characteristics	
Maximum Payload	300 kg
Maximum Lifting Height	200 mm
Top Speed	Up to 2.0 m/s
Rotation Diameter (incl. min. Safety Fields)	Base Version: 1650 mm | Extended Version: 1850 mm
Drive System	2x omnidirectional drives
Navigation	SLAM (optional: QR code, line navigation)
Positioning Accuracy	Fine positioning: ± 20 mm

Power Supply	
Battery	Li-Ion / 48 V / 2.5 kWh
Charge Current	30 A
Charing Strategy	Opportunity Charging
Charging Time	1:20 h

Enviroment	
Ambient Temperature	5°C - 40°C
Humidity	10% to 90% @ 39°C, non- condensing

Safety	
Sensors	2× Laser Scanner, 3× 3D-Camera, 1x 3D-Laser Scanner
Safety Functions	Laser Scanner, 3D-Cameras, Emergency Stop Button, Light Spot
Detection Range	360°
Safety Standards	ISO 3691-4:2023, UL 3100:2021 Machine Regulation (EU) 2023/1230, Radio Equipment Directive 2014/53/EU ISO 13849-1:2023, EN ISO 13849-2:2012, EN 1175:2020, EN 12895:2015+A1:2019, CE, UL 3100:2021, ANSI/RIA R15.08-1-2020,ANSI/ITSDF B56.5-2019
IPCode	IP20

Connections	
WiFi Connection	2.4 GHz and 5 GHz
Integration	VDA 5050 compatible
Manual Control	USB Controller, Control via Notebook / Mobile Phone

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Contact:

Important Notice!

The product is currently still in the pilot phase.

The specifications provided are preliminary and

are yet to be finally validated. (Status: August 2025)

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Technical Data (Imperial)

Dimensions	
Lenght	Base Version: 41. 6 in | Extended Version: 49. 5 in
Width	16. 1 in
Height	48. 0 in
Weight	363. 8 lbs
Ground Clearance	1.0 in

Performance Characteristics	
Maximum Payload	661.4 lbs
Maximum Lifting Height	7. 9 in
Top Speed	Up to 6.6 ft/s
Rotation Diameter (incl. min. Safety Fields)	Base Version: 65. 0 in | Extended Version: 72. 8 in
Drive System	2x omnidirectional drives
Navigation	SLAM (optional: QR code, line navigation)
Positioning Accuracy	Fine positioning: ± 0.8 in

Power Supply	
Battery	Li-Ion / 48 V / 2.5 kWh
Charge Current	30 A
Charing Strategy	Opportunity Charging
Charging Time	1:20 h

Enviroment	
Ambient Temperature	41°F - 104°F
Humidity	10% to 90% @ 102.2°F, non- condensing

Safety	
Sensors	2× Laser Scanner, 3× 3D-Camera, 1x 3D-Laser Scanner
Safety Functions	Laser Scanner, 3D-Cameras, Emergency Stop Button, Light Spot
Detection Range	360°
Safety Standards	Machine Regulation (EU) 2023/1230, Radio Equipment Directive 2014/53/EU ISO 13849-1:2023, EN ISO 13849-2:2012, EN 1175:2020, EN 12895:2015+A1:2019, CE, UL 3100:2021, ANSI/RIA,R15.08-1-2020, ANSI/ITSDF B56.5-2019
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