

## NXS 300



Autonomous Mobile Robots



# Compact by Design. Strong in Performance.

## Autonomous Mobile Robots, Intralogistics 600 | 1200

### Technical Data

Dimensions	
Lenght (Base version   Extended version)	1057 mm   1257 mm
Width	408 mm
Height	1220 mm
Weight	165 kg
Ground clearance	26 mm
Performance Characteristics	
Maximum payload	300 kg
Integrated lifting function	200 mm
Top Speed	Up to 2.0 m/s
Rotation diameter	260 cm
Navigation	Natural Navigation (QR code, line navigation optional)
Positioning accuracy	Fine positioning: $\pm 20$ mm
Power Supply	
Battery size	Li-Ion / 43.2 V / 48Ah
Charge Current	29A
Charing Strategy	Opportunity Charging
Charging time	1:20 h
Enviroment	
Ambient temperature	5°C -40°C
Humidity	10% bis 90% @ 39°C, not condensing
Safety	
Sensors	4× Laser Scanner, 2× 3D-Camera
Safety function	LIDAR, 3D-Camera, 4× Emergency stop, 2× Redlight; optional: Signal Tower
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
IPCode	IP20
Connections	
WiFi connection	2.4 GHz and 5 GHz supported, 2 antennas
Integration	VDA 5050 compatible
Manual control	USB Controller, Control via Notebook / Mobile Phone

