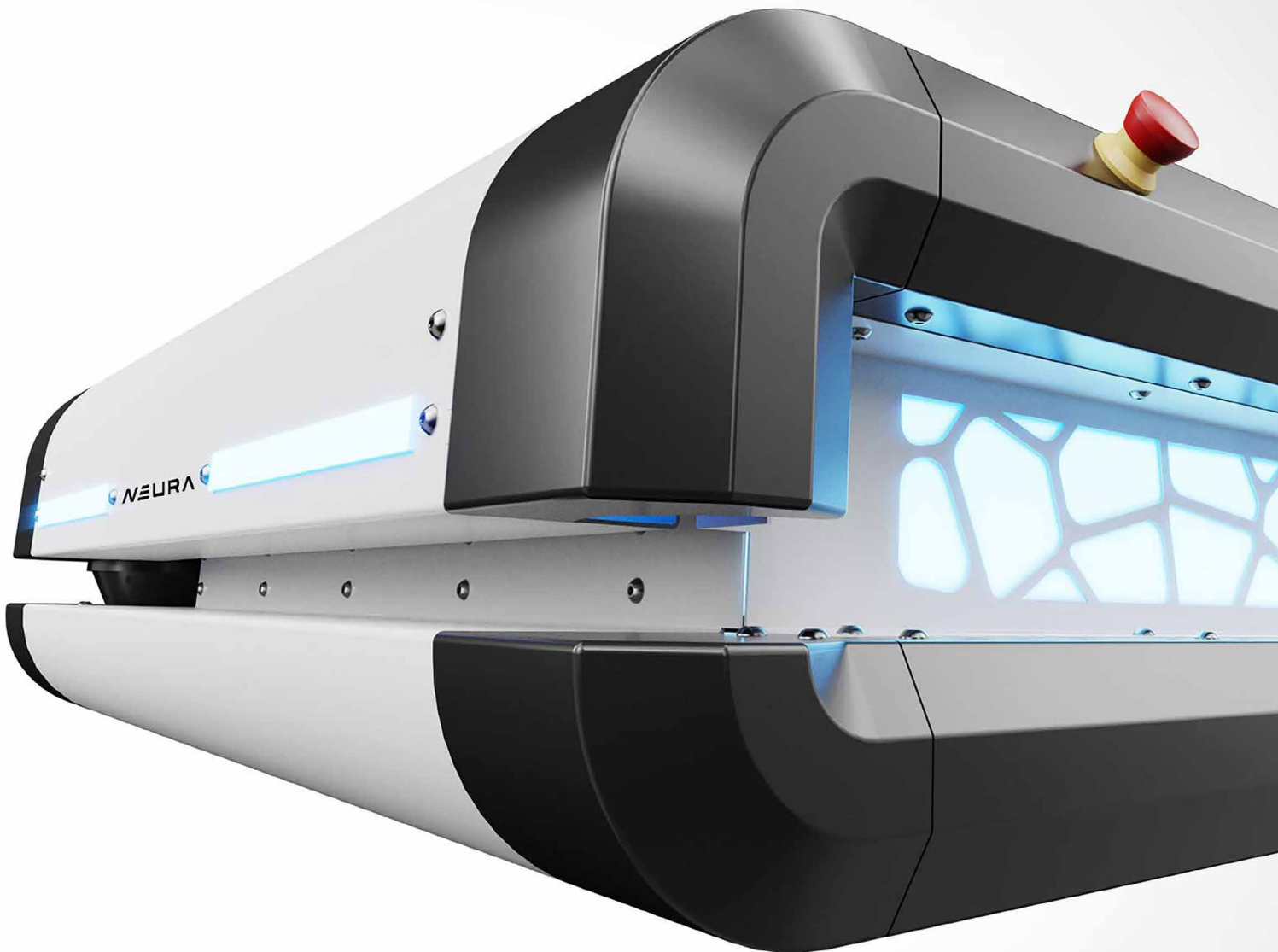


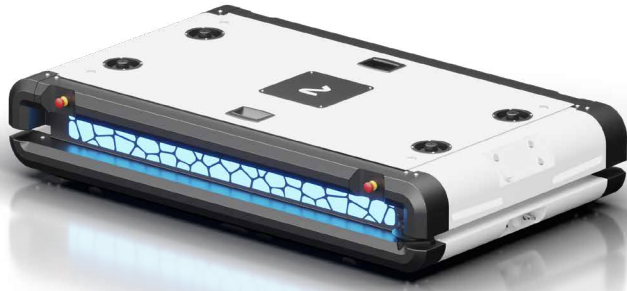
NEURA

Datasheet

MAV

World's Smartest and Most Performant Mobile Robot





**Multi-Sensing
Autonomous Vehicle**

World's Smartest and Most Performant Mobile Robot

MAV revolutionizes intralogistics by autonomously loading and moving any type of goods. Thanks to its integrated sensors, it can navigate and safely detect obstacles without requiring additional peripheral devices. Combining MAV with a collaborative or cognitive robot creates powerful mobile manipulator solutions.

Specs	MAV 500	MAV 1500
Payload (kg)	500	1500
Dimensions (L/W/H)	1258 mm x 678 mm x 294 mm	1530 mm x 910 mm x 294 mm
Weight (kg)	300	400
Speed (m/s)	1.5	1.5
Positioning Accuracy (mm)¹	±7	±7
Lifting Unit	0–45 mm	0–55 mm
Load Detection	Available on request	
Bar Code Detection	Available on request	
Charging Time (h)	1.5	2
Uptime (h)	8	10
Battery Increase Possibility	No	Up to 200%
Supply Voltage	230 V, 50–60 Hz	
Charging Methods	Wired and inductive	
Actuation	Differential drive	
Communication Type	EtherNET/IP, WiFi	
Outbound Interfaces	1x Ethernet, 1x CAN, Digital IO's	
IP Classification	IP 44 / IP 54 based on request	
Status Indicators	Front and side status LEDs	

¹ Can reach 5 with special conditions and support from external environment

Safety Features	
360° Safety Laser Scanners	PLd / Category 3 (ISO 13849-1)
Manufacturing Compliance	ISO 3961-4
Safety Zones	Safety zone with safe stop, and two warning zones with stop and reduced speed
Field Sets	32



-  Warning zone 2 (reduced speed)
-  Warning zone 1 (stop)
-  Safety zone (safe stop)

Software Features	
Network Connectivity	Manual driving option
Human-Robot-Interaction	Visual, Mobile-Quickstart, and PC-based GUI
Fleet Management	Selection available from various providers. ²
SLAM	Dynamic mapping and route selection
Communication Protocols	VDA5050, TCP/IP, OPC-UA, Fast-DDS, ROS2
Programming Interfaces	Python API, C++
Navigation	Selection available from various providers

² Possible based on request.

Get in contact!

Scan the QR code or visit
<https://qrco.de/bgOdVv>



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