

Autonomous Delivery Robot v100

- Marvelmind Autonomous Delivery Robot v100 is designed for smart warehousing and industrial applications

General specifications

- **Name:** Autonomous Delivery Robot v100
- **Navigation:** Marvelmind Indoor “GPS”
- **Supported Architecture:** Inverse Architecture
- **Amount of robots:** ≤250 robots per system
- **Size:** 660x713x1950mm (Assembled)
- **Weight:** ≈50kg

Performance

- **Speed:** ≤5km/h
- **Applicable slope:** Approx. 15°
- **Applicable terrain:** smooth concrete, asphalt
- **Overcoming obstacles:** obstacles < 1cm, < 3cm wide gap
- **Payload:** ≤100kg
- **Payload per shelf:** ≤15kg
- **Amount of shelves:** 1pc (≤8pcs optional)

Safety

- **Active safety:** 14 x LIDARs for obstacle detection and avoidance
- **Passive safety:** Lights & sound alarms

Battery

- **Lifetime:** ≥16 hours
- **Full charge time:** ≤4 hours
- **Smart BMS:** Overvoltage / Undervoltage / Overheating protection



Pic 1: Autonomous Delivery Robot v100 assembled with boxes

Optional features

- Additional software applications
- Customized statistics & reporting
- QR-code reader
- Various hardware customization
- Onboard touchscreen display for arbitrary path setting
- Additional internal power converters to power user's equipment (displays, arms, cameras, etc.)
- Customized reporting and analytics
- White labeling variant
- Further customization

More information

- Write directly to info@marvelmind.com
- Robot - <http://www.marvelmind.eu/>
- Indoor "GPS" - <https://marvelmind.com/>

