

# Automated Inventory Robot

## Product Information Sheet

### TAKE YOUR INVENTORY TO THE NEXT LEVEL

Let your robot do the work.

#### Product Description

Inventory management can be complex especially when there is too much data and multiple stocks to handle. Our robot comes with a high quality mobile base that can easily lighten your workload, increase productivity level and reduce time needed to track or organize your inventory.

It is suitable for various inventory applications, such as within library spaces. The robot has the flexibility of adjusting its scanner accordingly to different tiers of the shelves and effectively update information in the database.

#### Features & Benefits

- ▶ Improve work productivity
- ▶ High accuracy and durability
- ▶ Reduce workload and human error
- ▶ Automated data entry
- ▶ Minimum to almost no noise
- ▶ Better functional control



## Technical Specifications

The robot scanner can elevate up to approximately 130 cm in height and it has a base dimension of 699 x 500 x 383 mm (L x W x H).

Refer below for more details on the base.

Navigation	Routing	Autonomous routing by localizing with safety scanning laser based on environment mapping
	Environmental map making method	Scan by walking the mobile robot through the environment, and upload the scan data in the MobilePlanner
Payload	Maximum Weight	90 kg (excluding cart weight)
Mobility	Maximum Speed	1350 mm/s
	Maximum Rotation Speed	180°/s
	Stop Position Repeatability	Basic: $\pm 100$ mm position Standard Target: $\pm 25$ mm position, $\pm 2^\circ$ rotation * $\pm 10$ mm position, $\pm 0.5^\circ$ rotation with option, (High Accuracy Positioning System) $\pm 8$ mm position, $\pm 1^\circ$ rotation with option, (Cell Alignment Positioning System)
Power	Battery	22-30 VDC
	Capacity	72 Ah Battery cell nominal capacity
	Run Time	8 hours (continuous) approx. (with RFID payload)
	Recharge Time	4 hours (5:1 ratio) approx.
	Battery Life Cycles	2,000 recharge cycles (battery cell nominal)
	Charging Method	Automatic / manual

