hmishelf

All-In-One Transport & Operator Interface

Key Benefits

- Quickest deployment solution
- Set up and use in hours, redeploy easily
- Ideal for small and medium payloads
- Configurable shelving for various bin, tote, and package sizes
- Reduce associate travel time, increase productivity in low dwell time and high volume environments
- Simple operation with built-in, easily configured touchscreen

KEY WORKFLOWS

Order Picking

Assembly & QA

ASRS Induction

Rush Orders

Returns Processing

Viioni

HMIShelf is part of the Viioni Cloud Robotics Platform, a flexible automation solution that maximizes productivity with the widest range of payload capacities for a diverse set of warehouse and manufacturing workflows. Leading 3PLs, manufacturers, and retailers rely on the Viioni Cloud Robotics Platform to enable on-demand automation, instantly deploying, modifying, and scaling unmanned travel as needed.

Transport for Packages, Totes, and Bins

HMIShelf robots set the standard for commercial ready autonomous mobile robots (AMRs) transporting material in busy warehouse and manufacturing environments. The most advanced collaborative AMRs, like the Viioni HMIShelf robots, have the ability to plan optimal point-to-point travel while navigating around obstacles.

HMIShelf robots have numerous additional enhancements to safely avoid moving obstacles such as forklifts and carts. Integrated touch screens and adjustable shelving make HMIShelf robots an easy and flexible way to offload material transport tasks.

Specifications	hmishelf
Weight	90kg (198.5lbs)
Height	129.9cm (51in)
Base Footprint	57.3cm (22.6in) diameter
Shelf Width	51.5cm (20.3in)
Shelf Depth	41.8cm (16.5in)
Maximum Payload Weight	78kg (172lbs)
Maximum Payload Volume	$0.2m^3$ ($7.15ft^3$)
Maximum Speed	1.5m/s (3.4mph)
Turning Radius	Turn in place
Nominal Continuous Runtime	~9hrs
Environment	Indoor
Charging	Autonomous Docking
Charge Time	3hrs to 90%
2D Laser Sensor	25m (82ft), 220 degrees (x1)
3D Camera	Yes (x2)

CE