



## cartconnect

### The Industry's First Rolling Cart Autonomous Mobile Robot Solution

#### Key Benefits

- True collaborative autonomous mobile robot (AMR) solution that integrates into existing manual cart workflows
- Flexible options support a wide range of workflows
- Maximum robot utilization by decoupling robots from carts
- Simple setup and control for associates through handheld devices or automation through fully configured schedules
- Recognized for safety (CE mark)



#### KEY WORKFLOWS



Case Picking



Replenishment /



Raw Material



ASRS Induction



E-Commerce  
Fulfillment



Staging /  
Consolidation



# Viioni

CartConnect 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.

## Warehouse Carts 2.0

Carts remain one of the main tools for a variety of material handling tasks in warehouses and manufacturing environments. To optimally support the myriad of cart workflows in distribution, fulfillment, and manufacturing environments, Viioni Robotics developed the CartConnect solution, featuring mobile robots

that autonomously pickup and drop off to any facility location. CartConnect robots can be controlled using a variety of devices such as tablets, phones, or handheld scanners or they can run on a fixed schedule so that no device is required.

Specifications	cartconnect	fetchcart
Weight	74kg (163lbs)	27kg (60lbs)
Height	49.6cm (19.5in)	140cm (55.1in), standard 165cm (65in), tall*
Base Footprint	52.7cm (20.7in) wide, 57.3cm (22.6in) diameter	83cm (32.7in) width, 83cm (32.7in) length
Shelf Width	-	83cm (32.7in)
Shelf Depth	-	83cm (32.7in)
Maximum Payload Weight	-	Up to 77kg (170lbs)
Maximum Speed	1.5m/s (3.4mph)	-
Turning Radius	Turn in place	Turn in place
Nominal Continuous Runtime	~9hrs	-
Environment	Indoor	Indoor
Charging	Autonomous Docking	-
Charge Time	3hrs to 90%	-
2D Laser Sensor	25m (82ft), 220 degrees (x1)	-
3D Camera	Yes (x2)	-

\* Requires a risk assessment

