StockBot

Automate your inventory management with StockBot

Meet StockBot, the ultimate autonomous inventory tracking and data collection platform.

StockBot empowers you with accurate insights to help you make data-driven decisions and supercharge your inventory and restocking systems. Whether you work in retail, have a warehouse, a data centre or any other environment, stay ahead of the competition with StockBot.

Flexible and easy to integrate
with your company's systems.

Adapts to customers in-store
Suitable for use during open hours.

Multi-Floor and location support
Move easily across floors and stores.

100% Fully autonomous solution
Autonomous charging at the dock station.

What kind of data do you need?

StockBot RFID
Tag IDs (EPCs) and their location

StockBot VISION
Pictures with their location

Specifications

DIMENSIONS
46 cm (w) x 46 cm (d) x 183 cm (h)

CONNECTIVITY
Wi-Fi
802.11 ac 2x2 Dual Band

VISION CAMERAS
Resolution
3840 x 2160
Max. capture height
2.4 m

ELECTRICAL FEATURES
Charging
4 hours complete recharge
Battery autonomy
12 hours continuous use

OPERATIONAL ENVIRONMENT
Temperature
5ºC to + 50ºC
Humidity
5% to 95% (non-condensing)

RFID
Air interface
EPC global UHF
Class 1 Gen 2 / ISO 18000-6C
Antennas
4 on each side
Transmit power
+10.0 to +32.5 dBm
Max. received sensitivity
-82 dBm
Polarisation
Circular

StockBot

Seamless integration with your environment

Integrate StockBot with your existing retail operations in a simple one-day installation. StockBot can be set up in your environment, where our team maps the area and integrates the robot into your inventory system. StockBot is fully compatible with your store's ERP, ensuring a streamlined data collection process and minimal disruption to your business operations.
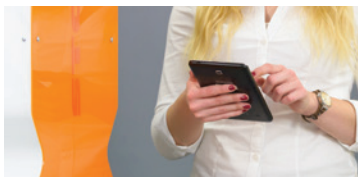
01.

StockBot creates your map

Start moving StockBot with the remote control, so that the robot gets to know the space. Later you can view the map through the Web User Interface.

ⓘ *StockBot will adapt to most of your in-store layout changes.*

02.

Finds optimised routes

Show the robot the paths you would like it to take through store areas using the remote control, or StockBot can generate paths itself through furniture detection.

03.

Starts to work

Choose tasks for different areas of your store, selecting the day, start time etc. StockBot will carry out its work while allowing your customers to shop freely around your store.

Intuitive Web GUI

The web-based Graphical User Interface (GUI) Designed for ease of use, makes it simple for staff at all levels to interact with StockBot and define the inventory parameters.

- ✅ **Define the areas to scan**
- ✅ **Schedule the number of inventories**
- ✅ **Monitor the results and robot's status**

The autonomous platform that provides insight to help you make the right decisions

StockBot

Main Benefits

In-store stock optimisation
Optimise your stock through automated inventory counts once or multiple times per day, including during opening hours.

Money-mapping
Identify the most profitable areas of your store to help you make data-driven decisions.

Item positioning
Know exactly what you have in stock and where it is. Accurate view of daily out of stock and control of stock misplacement.

Software shielding
StockBot distinguishes between products in the warehouse and on the shop floor.

Full adaptability
Adapts easily to any environment and our software ensures full compatibility with your stock control system.

StockBot

Main Functionalities

Mapping
Map any environment in 2D for the robot to navigate.

Connectivity and data processing & transmission
Robot has WiFi 6 connectivity. EPCs counts obtained from one or different tasks within a time frame can be merged and transmitted using the desired protocol and API.

Inventory
Define visually the route StockBot should undertake to cover the entirety of your store or warehouse as best suits your needs.

Autonomous Navigation and data collection
StockBot navigates autonomously avoiding obstacles while reading RFID tags and collecting data.

Power management
The robot is able to recharge its batteries autonomously using a dock charging station. The robot can handle periods with no power supplied to the dock station or periods of remaining on standby (low power consumption).