PAL ROBOTICS

stockbot@pal-robotics.com
pal-robotics.com/products/stockbot
facebook.com/palrobotics
@PALRobotics
www.youtube.com/PALRobotics

STOCKBOT

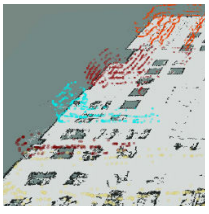
THE AUTONOMOUS ROBOT FOR **DAILY INVENTORY-TAKING**

MULTIPLE TECHNOLOGIES IN ONE SINGLE PLATFORM

Optimize inventory-taking

EFFICIENCY PROVED IN STORES

StockBot runs autonomously. A single initial set-up is all that StockBot needs to start working. Its advanced navigation allows the platform to automatically adapt to any change in the environment.



INCREASED INVENTORY ACCURACY

StockBot avoids human error and allows employees to focus on improving customer experience, with reliable up-to-date stock data. Misplacements, out-of-stock situations, planogram and price tags can be controlled daily.

ABOUT PAL ROBOTICS

Based in Barcelona (Spain), PAL Robotics has worked in service robotics since 2004. Besides R&D in robotics, the company leverages its expertise to develop products with specific functions that make our lives easier, like StockBot.

Sensing the environment

StockBot uses **RFID** to detect all products and/or **vision cameras** to enable image recognition

3D map of products

StockBot provides a daily report with the products' list and location

Big data opportunities

Reliable information, delivered daily, enables data-driven decisions

STOCKBOT®

TECHNICAL SPECIFICATIONS

Advantages of automating inventory-taking with StockBot:

QUALITY	Area control without human error
TIME	Faster than human inventory
COST	Reduced labour costs and more frequent inventories (daily)

AN AUTONOMOUS PLATFORM THAT TAKES DAILY 3D INVENTORIES

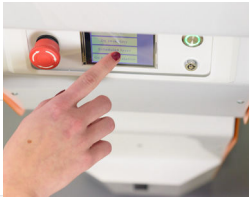
AUTONOMOUS STORE INVENTORY

- Optimization of inventory management
- Automatic in-store item localization (0.5m accuracy)
- Increase sales by reducing OOS
- Misplacement detection
- Better data-driven decisions

SIMPLE DEPLOYMENT

1. Easy set-up: create a map moving the robot around
2. Define regions in which to perform the inventory
3. Schedule inventories in any region
4. Stockbot moves autonomously detecting all items
5. Results easy to integrate into any platform
6. API for remote functionality control

DIMENSIONS	Width x Depth x Height	50 cm x 50 cm x 190 cm
CONNECTIVITY	Wi-Fi	802.11 ac 2x2 Dual Band
ELECTRICAL FEATURES	Charging Battery autonomy	4 hours complete recharge 12 hours continuous use
OPERATIONAL ENVIROMENT	Temperature Humidity	5 ºC to +50 ºC 5% to 95%, non-condensing
RFID	Air interface Antennas Transmit power Max. received sensitivity Polarization	EPC global UHF Class 1 Gen 2 / ISO 18000-6C 4 on each side +10.0 to +32.5 dBm -82 dBm Circular
VISION CAMERAS	Resolution Max. capture height	3840 x 2160 2.4m



PAL ROBOTICS

C/ Pujades 77-79
08005 Barcelona, Spain

Tel: +34 934 145 347

stockbot@pal-robotics.com
www.pal-robotics.com/stockbot