ANS720

The World's First Real Spot-Cleaning Robot

Finally a Robot That Cleans like a Professional Cleaning Service

Introducing the world' s first Artificial Intelligence enabled autonomous floor-cleaning robot, much more effective and efficient than anything on the market today.

Capable of detecting more than 30 different types of waste and debris with a 99% accuracy, the ANS720 can reliably and intelligently perform auto spot-cleaning thereby greatly increasing cleaning efficiency by as much as a factor of 10. No other autonomous robot can match the ANS720's performance. Worry-free robotic day-time sanitary maintenance is finally possible.



Spotless Cleaning Results 100% Guaranteed

Other robots clean an area in only a single pass, regardless of whether stubborn stains and/or waste have been removed. The ANS720 is equipped with our proprietary innovative "CRC" technology [Cleaning Result Checkup] and will repeatedly clean the same area to ensure the job is completed satisfactorily. With the ANS720, you can be sure of a complete job well done every time, all the time.



Key Features

Garbage Detection and Classification

More than 30 different types of waste and debris can be automatically detected and classified, with 99% accuracy.

Innovative Self-Adaptive Cleaning Technology

The ANS720 can automatically adjust its area and methods of cleaning according to the amount, size and type of waste and debris it detects, offering the only cleaning robot able to cope with changing real-life scenarios without human intervention.

<5 cm Distance From the Wall

No more human intervention is required after robot cleaning. Even the debris closest to the wall can be removed by ANS720.

Superior Robot Sensing Capability

No need to manually change the internal map in the event of any changes in the environment. The ANS720 can also automatically resume from a lost location, thus assuring a perfect match to very long corridors.

Unbeatable Efficiency Turbo-powers Your ROI

The ANS720 can work on soft/hard floors and carpets, with an unbeatable cleaning efficiency of 2100m2/hr in normal cleaning mode and 20000 m2/hr in patrol cleaning mode.



Easiest RMA in the Industry

With the ANS 720 's innovative modular design and our streamlined RMA process, the ANS720 offers unsurpassed post-sales service. Distributors can expect a prompt, smooth and trouble-free RMA process, with clear error code storage, easy parts replacement, and remote support.

The Highest Level of Safety

Safety is always the top design priority for the ANS720. The ANS720 has been rigorously tested at state-of-the-art facilities. The ANS720 employs advanced Nvidia Xavier AI edge computing chips and multi-channel 3D LiDAR [used in autonomous driving vehicles], to assure that the highest standards of safety are always met.

Specifications

DIMENSIONS	
Length	855 mm | 33.4 in
Width	600 mm | 23 in
Height	1050 mm | 41 in
GVW	132 KG | 291 lbs
Sweeping Width（w/ side brushes)	720 mm | 28 in
Roller Brush Width	460 mm | 18 in
CLEANING	
Max. Theoretical Productivity (spot cleaning)	19870m^2/hr| 213880 ft
Max. Theoretical Productivity (regular cleaning)	1987m^2/hr| 21388 ft^2/hr
Dust Filter Bag Capacity	18L| 4.8 gal
Trash Tray Capacity	5L 1.3 gal
Max. Suction of Vacuum Motor	25 kPa
MOVEMENT	
Max. Speed	1.2 m/s | 2.68 mph
Min. Distance from Wall	<50mm | 2 in
Min. Passable Width	800 mm | 31 in
Min. Turn-around Width	1200 mm | 47 in
Gradeability	6°
POWER	
Battery Type	Lithium Iron Phosphate
Battery Capacity	120 Ah
Rated Voltage	24 VDC
Charging Time	4 hours
Max. Runtime (spot-cleaning)	13 hours
Max. Runtime (regular cleaning)	8 hours
SENSING	3D LiDAR, 3D Depth Camera, Ultrasonic Sensor, Bumper Sensor
Sound Pressure Level	At least as 58 dB(A)