Professional 3-in-1 Cleaning Robot for Medium to Large Spaces

C55



Key Features

- Professional sweeping and mopping robot for medium and large-scale scenarios
- **3-in-1 Cleaning： Floor mopping, sweeping, and dust pushing**， focuses on floor dust pushing, garbage sweeping, and deep cleaning operations in indoor scenarios with an area of over 3,000 square meters
- Adopting the industry-leading three-brush drum design, integrates a sweeper and a scrubber into one, achieving sweeping and mopping tasks in one pass
- **With oversized water tank** ， expanded to twice the size of similar models in the industry, reducing the frequency of water refilling
- **Dual-Battery, 5-Second Battery Swap Without Waiting**： The dual-battery compartment supports two batteries with quick-swappable
- **Effortless Maintenance**: Quick-Switch Consumables and brush rails for rapid disassembly， optional automatic docking station enables automatic charging, water refilling, and drainage.
- **Smart Cleaning Ecosystem**: Full management via Mobile App and KEENON Cloud featuring IoT integration, break-point resumption, auto-recharging, and multi-device coordination.

Specifications

Basic Parameters

Dimensions (L×W×H)		860*850*1082mm （Including Squeegee）
Water Tank Design		Reversible Water Tank Shell Design
Net Weight		150kg
Appearance Material		Abs, Pp
Appearance Color		Moon rock gray
Positioning Method		Vslam
Protection System		Laser Radar， 3D Radar . vslam， stereo Vision， line Laser， Anti-collision Sensor ， RGB Camera
Interactive Screen		11.6-inch Touch Screen
Status Display		Dot Matrix Screen/Interactive Light/Interactive Screen
Voice Broadcast		Voice Broadcast
Operation Mode	Sweep & Wash Mode	● (Front Pre-sweep + Rear Roller Brush Scrubbing And Re-sweep)
	Sweep &Push Mode	●
	Water Suction	●
Cleaning Width		550mm （with roller brush）
Maximum Cleaning Speed		1.2m/s
Maximum Theoretical Cleaning Efficiency		2376 ㎡ /H (Including Side Brush)
Maximum Theoretical Single Working Area		11880 ㎡
Full Battery Life		Floor Cleaning: 5h (sweep and scrub) 10h (sweep and dust push)
Water Tank Capacity		Water Tank 60L ； Sewage Tank 47L

Trash Box Capacity	Front Dust Box: 2L Rear Dust Box: 0.7L （Roller Brush Version）
Maximum Suction Power	21kpa
Brush Pressure	18kg
Working Noise (Mid-range)	≤70db(a)

Sports Performance

Vertical Obstacle Clearance Height (Fully Loaded And Clean)	10mm
Speed Bump Passability	Can Pass 50mm Speed Bumps
Maximum Trench Width	35mm
Maximum slope (fully loaded and non-clean)	6°
Maximum cleaning slope	<2°
Emergency braking distance (0.6m/s)	Dry and wet states: meet safety regulations (≤0.5m)
Maximum braking distance (0.8m/s)	≤0.7m
Fall protection	●
Minimum straight lane width	950mm
Minimum operating width for U-turn	1250mm
Minimum detection height	50mm
Minimum obstacle detection size	70×70×50mm
Minimum edge distance	0

Battery and Charging

Battery Type	lithium iron phosphate
Charging time (0-100%)	About 4 hours
Rated voltage	25.6V
Battery capacity	50Ah*2
Full battery life	5h

Working Environment

Operating humidity	20%~80%RH
Operating temperature	1°C-40°C
Transport and storage temperature °C	-15°C~45°C
Transport and storage humidity RH	20%~80%RH

System and Function

System	Linux(Control) & Android(Interact)
App Language	Chinese, English, Japanese, Korean, French, Thailand, German
App Functions	Immediate Cleaning/Scheduled Cleaning/Manual Cleaning/Teaching Mode

Wireframe

