

RV3

COMMERCIAL CLEANING ROBOT

The RV3 is a compact commercial cleaning robot.

With its 4-in-1 functionality, it combines **sweeping, vacuuming, mopping, and scrubbing** in a single device, ensuring spotless cleanliness for medium to large commercial spaces.

Thanks to its design optimized for navigating tight areas, it is perfectly suited for **offices, hotels, hospitals, care facilities, retail, hospitality environments, and many other settings.**

With **integrated Wi-Fi and an LTE SIM card**, the RV3 can be conveniently controlled and monitored from anywhere. Whether a single robot **or an entire fleet**, the **intuitive platform or GDPR-compliant app** gives you full visibility at all times. For smart, fully automated cleaning – independent of location.



REAL-TIME OBSTACLE DETECTION

Thanks to LiDAR, cameras, and ultrasonic sensors, the RV3 instantly detects objects and navigates safely and precisely through complex environments.



ALL-IN-ONE WORKSTATION

The workstation refills the robot with water and detergent, empties dirty water, charges the battery, and automatically dries the microfiber roller brush – without any manual intervention on the robot.



MULTIFUNCTIONAL IN ONE DEVICE

Sweeping, vacuuming, and mopping in a single pass – thanks to automatic lifting of the microfiber roller brush when carpets are detected.



FLEET MANAGEMENT

Centralized control, scheduling, status monitoring, reports, and real-time notifications available free of charge via app and platform.



Cleans up to

700 m²/h

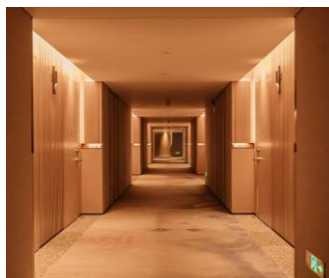
Charging time
2 hours



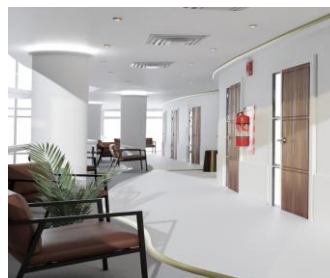
TYPICAL APPLICATIONS



OFFICES



HOTELS



CARE FACILITIES



RETAIL

GENERAL DATA ROBOT	Dimensions (L*W*H) (mm)	520 mm * 510 mm * 278 mm
	Net Weight (kg)	17.8 kg
	Theoretical Cleaning Performance m²/h	700 m²/h
	Maximum Map Size	15000 m²
	Dust Bin Capacity (L)	1.1 L
	Clean Water Tank Capacity (L)	4 L
	Dirty Water Tank Capacity (L)	3.5 L
	Battery Runtime (Eco Mode) (h)	6 h
	Battery Runtime (Standard Mode) (h)	4 h
	Battery Runtime (Max Mode) (h)	2 h
	Operating Speed (m/s)	0.2 – 0.6 m/s
	Minimum Passage Height (mm)	300 mm
	Minimum Turning Radius (mm)	0 mm
	Cleaning / Working Width (mm)	370 mm
	Charging Time (h)	2 h
	Charging Method	Automatic
POWER SUPPLY & SUCTION POWER	Rated Voltage	22.4 V
	Rated Power	300 W
	Suction Power (Eco / Standard / Max)	(3 KPa, 6 KPa, 14 KPa)
NAVIGATION & OBSTACLE AVOIDANCE	Main Navigation	LiDAR (30 m)
	Obstacle Avoidance	Depth camera, cliff sensors, bumper, line laser, infrared sensor, carpet detection
	AI Object Recognition	✓
	Maximum Obstacle Crossing (mm)	30 mm
	Climbing Ability	10°
APP FEATURES	Automatic Mapping	✓
	Manual Mapping	✓
	Cleaning Schedule	✓
	Custom Cleaning Areas	✓
	No-Go Zones	✓
	Suction Power Adjustment	✓
	Fleet Management	✓
	Cleaning Reports	✓
	Free App	✓
SAFETY FEATURES	Safety Sound Options	✓
	Blue Spot / Signal Light	Optional
OTHER	LTE Module / Wi-Fi	✓
	HEPA Filter H13	✓
	Free Software Updates	✓
	Cloud / Fleet Management Access	✓
CERTIFICATIONS	GDPR Compliance	✓
	CE	✓
	Machinery Directive	✓
	IEC 63327	✓



ALL-IN-ONE WORKSTATION

The workstation enables the RV3 to **automatically refill and drain water, dispense detergent, charge the battery, and automatically empty the dust container** after each cleaning cycle.

In addition, the **microfiber roller brush is automatically dried after every cleaning task**. When the battery level is low, the RV3 automatically returns to the station and resumes the cleaning task fully autonomously after charging.



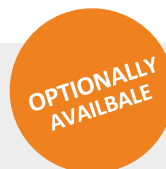
TECHNICAL SPECIFICATIONS

GENERAL DATA WORKSTATION	Dimensions (L*W*H) (mm)	657 mm * 770 mm * 755 mm
	Net Weight (kg)	41 kg
	Dust Container Capacity (L)	10 L
	Detergent Tank Capacity (L)	1.3 L
	Water Connection 3/4 inch	✓
	Power Connection	230 V 50 Hz
	HEPA Filter H12	✓



MOBILE WATER TANK

Optional mobile water tank – Maximum flexibility without a water connection
An optional mobile water tank is available for the RV3, enabling operation in **locations without a fixed water connection**. The tank supplies the robot with clean water and collects dirty water – without requiring a direct connection to the building's plumbing system.



TECHNICAL SPECIFICATIONS

GENERAL DATA MOBILE WATER TANK	Dimensions (L*W*H) (mm)	600 mm * 300 mm * 830 mm
	Net Weight (kg)	14.8 kg
	Clean Water Capacity	30 L
	Dirty Water Capacity	40 L