

Product introduction

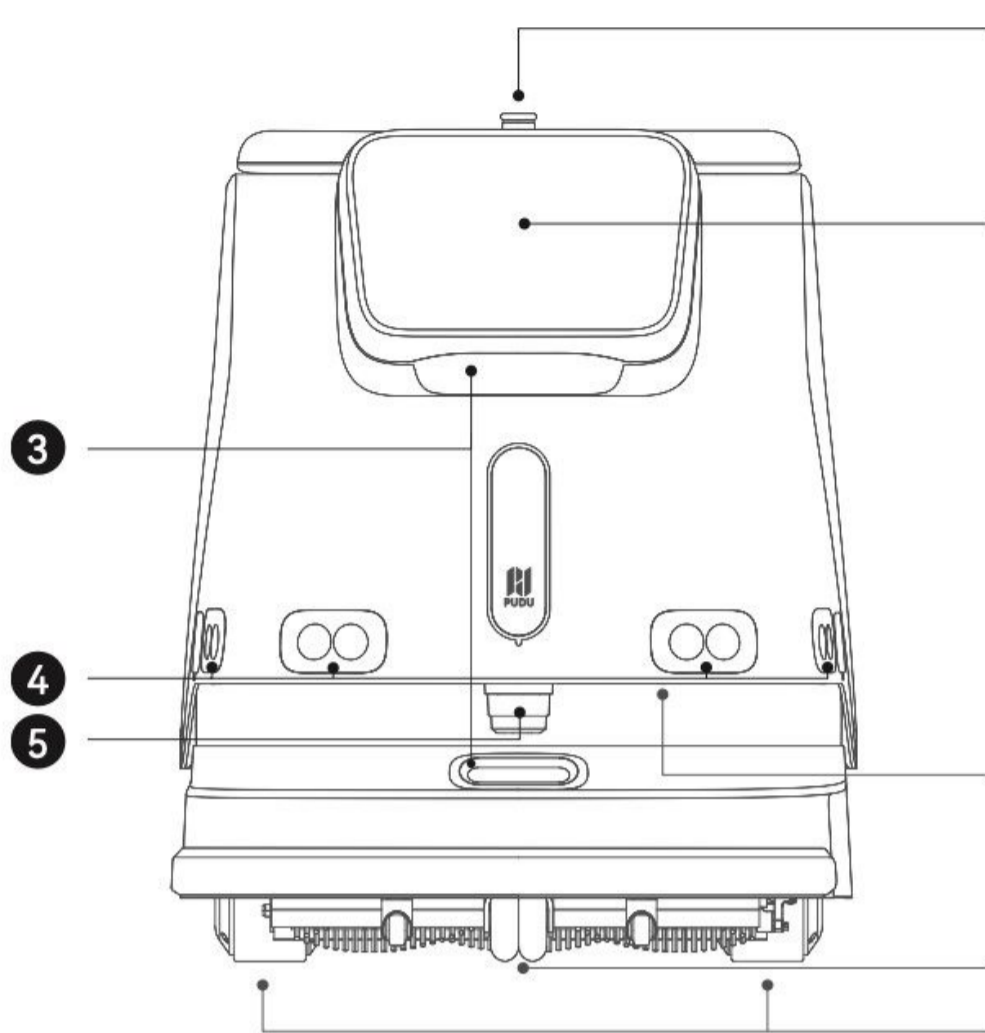
1. Overview



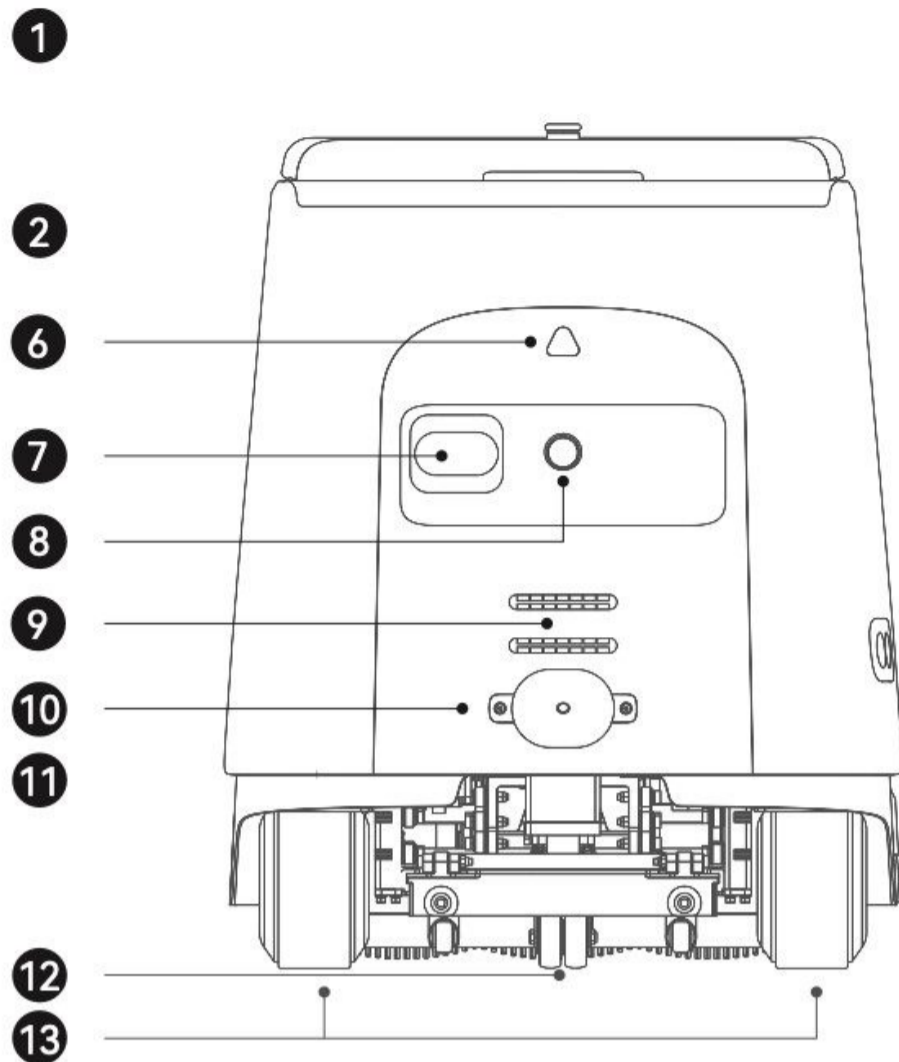
The PUDU CC1 robot is a versatile cleaning robot designed for small and medium-sized scenarios. It integrates sweeping, scrubbing, (carpet) vacuuming, and dust mopping and features auto-filling/draining and auto-charging functions.

It is suitable to various cleaning scenarios with different materials and hardness, whether hard floors or low pile carpet. Its typical application scenarios include office buildings, departments, hotels, retail store and other indoor scenarios that require a light cleaning. The product improves the overall cleanliness of the environment at lower costs and higher efficiency.

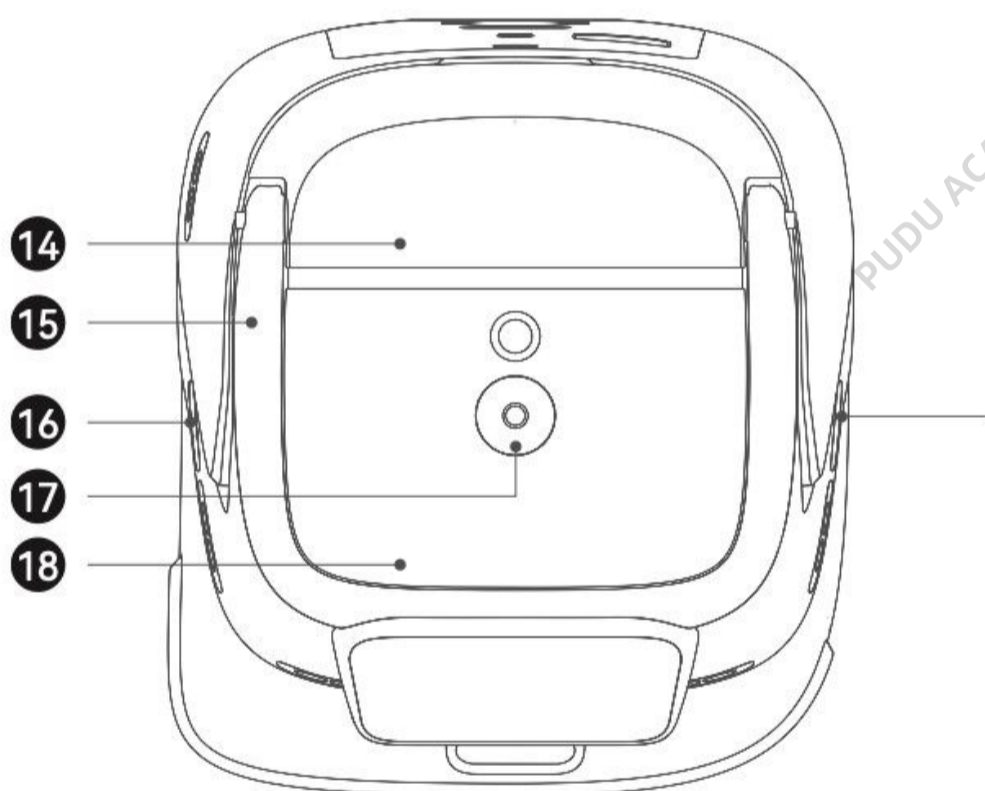
2. Appearance and components



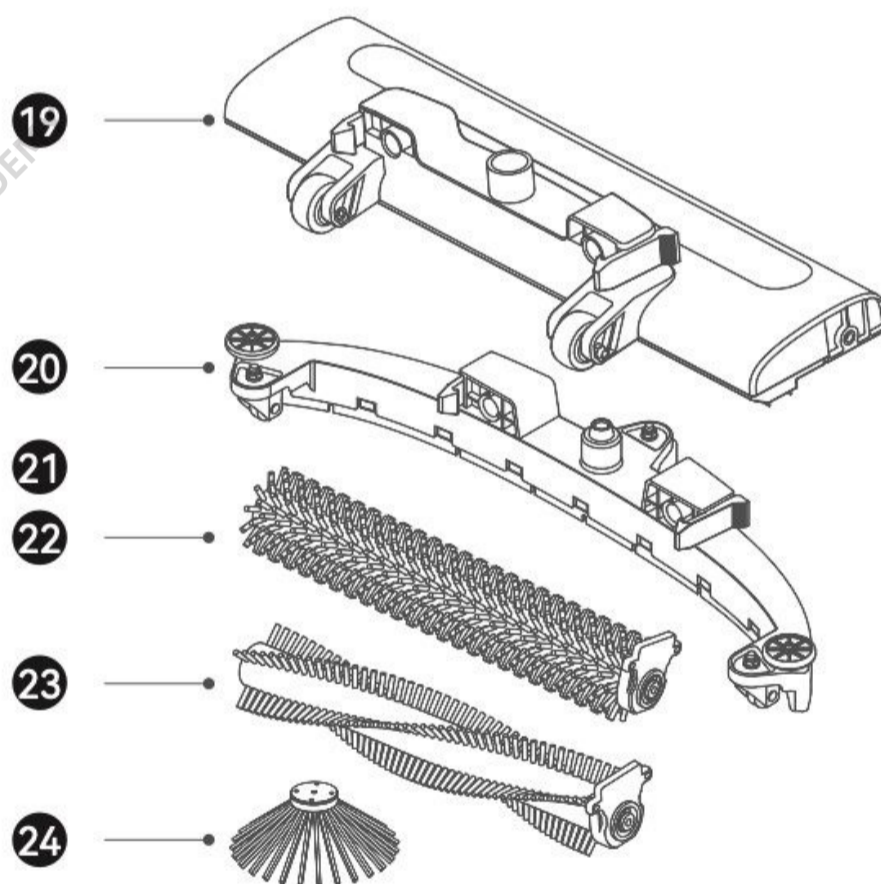
Front view



Back view



Top view



Accessories

No.	Description	No.	Description	No.	Description
1	Emergency stop switch	9	Charging electrode plate	17	Top-view camera
2	LCD screen	10	Drain outlet	18	Battery cover
3	RGBD	11	On/Off switch	19	Mopping-vacuuming part
4	Ultrasonic radar	12	Universal wheel	20	Squeegee
5	Lidar	13	Drive wheel	21	Key switch
6	Solid-state Lidar	14	Recovery tank cover	22	Main brush 1 (for scrubbing)
7	Water inlet	15	Handle	23	Main brush 2 (for sweeping)
8	RGB camera	16	Charging port	24	Side brush

Cleaning components on the back:



3. Performance parameters and specifications

Feature	Description
Model	CCBC01
Operating voltage	DC 23 V-29.2 V
Power input	AC 100 V-240 V, 50/60 Hz
Power output	29.2 V, 15 A
Battery capacity	50 Ah
Charging time	< 3 h
Battery life	3 h-8 h
Cleaning capabilities	Scrubbing: 5 h; Sweeping+Vacuuming+Mopping: 5 h Carpet vacuuming: 4 h; Silent mopping: 9 h
Weight	75 kg (165.35 pounds)
Screen size	10.1-inch LCDscreen
Robot dimensions (L×W×H)	62.9*55.2*69.5 cm (24.76*21.73*27.36 inches)
Enclosure material	PC+ABS
Navigation method	Integrated lidar and visual SLAM positioning
Cruise speed	0.2-1.2 m/s (0.66-3.94 ft/s)
Working noise	< 70 dB
Max. climbing angle	8°
Min. Path Clearance	70 cm (27.56 inches)

Min. turning width	88 cm (34.65 inches)
Min. Passing Height Limit	76 cm (29.92 inches)
Max. surmountable height	20 mm (0.79 inch)
Max. surmountable gap	35 mm (1.38 inches)
Cleaning width (with side brush)	50 cm (19.69 inches) (MAX)
Squeeggee/Mopping-vacuuming part cleaning width	63 cm (24.80 inches)
Vacuum cleaner nozzle (for short-haired carpet)	51.5 cm (20.27 inches)
Cleaning efficiency	700-1000 m ² /h (7534.74-10763.92 ft ² /h)
Dustbin capacity	2.5 L
Water tank capacity	Solution tank: 15 L
	Recovery tank: 15 L
Operation system	Android
Communication	4G, WIFI, Bluetooth supported, Lora (Optional)
Mobile App	Supported
Operation mode	Manual/Auto
Auto charging & Auto adding /draining water	Supported (in conjunction with docking station)
Optional function	Docking station/Charging station
Working environment	Temperature: 1°C to 40°C (33.8°F to 104°F); RH: ≤ 85%
Storage environment	Temperature: -20°C to 60°C (-4°F to 140°F); RH: ≤ 85%
Working altitude	< 2000 m (6561.68 ft)
Application scope	Terrazzo, marble, tiles, epoxy resin, sandstone, artificial stone, short-pile carpets, etc.
IP rating	IPX4

* The battery life of each cleaning mode is calculated based on the low gear setting, with the battery starting at 100% and ending at 10%.

PUDU ACADEMY