



PUDU CC1 Pro

AI-powered Autonomous Cleaning Robot





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The PUDU CC1 cleaning robot builds upon the robust design of the PUDU CC1, integrating advanced **AI perception and control systems** to deliver a fully automated, **closed-loop cleaning process**.

CC1 Pro autonomously manages the entire cleaning cycle—from dirty debris detection and adaptive cleaning intensity adjustment to real-time cleanliness assessment and self-monitoring of cleaning components—**addressing the persistent challenge of standardizing the final stages of commercial cleaning**.

With features like automatic water refilling and drainage, self-charging capabilities, breakpoint resume functionality, and multi-floor operation, CC1 Pro streamlines the cleaning workflow, significantly **reducing manual intervention and ensuring consistent cleaning outcomes**.





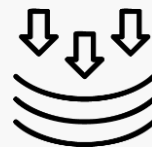
Key Features



AI Spot Scrubbing



AI Real-Time
Cleaning Performance Detection



AI Cleaning Intensity Control



AI Components
Self-Monitoring



4-in-1 Versatile Cleaning



VSLAM+ Positioning



AI-driven Perception



IEC 63327 Certification



Product Introduction





Product Specifications

Operating Voltage	DC 23V~29.2V
Battery Type	Lithium Iron Phosphate (LiFePO ₄) Battery
Battery Capacity	50 Ah
Charging Time	About 3 h
Run-time	Scrubbing: 5h; Sweeping & Vacuuming: 5h; Carpet Vacuuming: 4h; Silent Mopping: 9h
Cleaning Capabilities	Sweeping, (Carpet) Vacuuming, Dust Mopping, Scrubbing
Weight	75 kg (165.35 lbs)
Dimensions	629 x 552 x 695 mm (24.76 x 21.73 x 27.36 in)
Display	10.1-inch LCD Screen
Navigation	LiDAR + Visual Fusion Positioning
Cruising Speed	0.2 m/s ~ 1.2 m/s (0.66 ft/s ~ 3.94 ft/s) (Adjustable)
Noise Level	<70 dB
Min. Path Clearance	70 cm (27.56 in)
Threshold Overcoming Height	20 mm (0.79 in) (Non-Cleaning Mode), 8 mm (0.31 in) (Cleaning Mode)
Max. Climbing Angle	8° (Non-Cleaning Mode), 3° (Cleaning Mode)
Groove Crossing Width	35 mm (1.38 in) (Non-Cleaning Mode), 20 mm (0.79 in) (Cleaning Mode)
Cleaning Width (with side brush)	500 mm (19.69 in)
Cleaning Efficiency	700-1000 m ² /h (837.19-1195.99 yd ² /h) (All-covered Cleaning) 1500-3000 m ² /h (1,793.99-3,587.97 yd ² /h) (Spot Cleaning)
Dustbin Capacity	2.5 L (0.66 gal) / 6 L (1.59 gal) (Dust bag)
Water Tank Capacity	Clean Water Tank: 15 L (3.96 gal), Dirty Water Tank: 15 L (3.96 gal)
Communication	Supports 4G, Wi-Fi, Bluetooth, E-gate & Elevator Control (Optional)
Auto Charging & Water Refill/Drain	Supported (Requires Optional Docking Station)
Ingress Protection (IP) Rating	IPX4

