

PUDU CC1 Pro

AI-Powered Autonomous Cleaning Robot



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



PUDU VSLAM+

Unlimited by Space, Unmatched in Cleanliness:
Powered by a fusion of VSLAM and LiDAR, the robot navigates complex environments with high accuracy—no QR codes required.



AI Spot Scrubbing

Combining AI vision recognition with dynamic path planning, the system detects common wet stains—like coffee spills, sauces, and puddles—in real time during inspections and instantly generates optimal cleaning routes.



AI Real-Time Cleaning Performance Detection

CC1 Pro features the world's first rear AI camera to monitor cleaning performance in real time.



AI Components Self-Monitoring

CC1 Pro's rear AI system monitors cleaning components in real time, detects maintenance-related issues that cause secondary contamination, and triggers automatic marking, touch-up cleaning, or self-cleaning.



AI Cleaning Intensity Control Adaptive Strategy for Optimal Cleaning

Stubborn Stains Detection

Detects stubborn stains and boosts cleaning power as needed, ensuring deeper, more thorough cleaning.

Floor Cleanliness Monitoring

Detects cleanliness levels and automatically switches modes.

Floor Type Detection

Automatically adjusts cleaning modes based on floor type.



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| • Dimensions
629 x 552 x 695 mm
(24.76 x 21.73 x 27.36 in) | • Weight
75 kg (165.35 lbs) |
| • Battery Capacity
50 Ah | • Charging Time
About 3 h |
| • Run-time
Scrubbing: 5h; Sweeping & Vacuuming: 5h;
Carpet Vacuuming: 4h; Silent Mopping: 9h | • Cleaning Efficiency
700-1000 m ² /h (837.19-1195.99 yr ² /h) (All-covered Cleaning)
1500-3000 m ² /h (1,793.99-3,587.97 yd ² /h) (Spot Cleaning) |
| • Navigation
LiDAR + Visual Fusion Positioning | • Cruising Speed
0.2 m/s ~ 1.2 m/s
(0.66 ft/s ~ 3.94 ft/s) (Adjustable) |
| • Min. Path Clearance
70 cm (27.56 in) | • Capacity
Dustbin Capacity : 2.5 L (0.66 gal) / 6 L (1.59 gal) (Dust bag)
Clean Water Tank: 15 L (3.96 gal)
Dirty Water Tank: 15 L (3.96 gal) |

