PUDU MT1 Max

AI-powered 3D Perception Robotic Sweeper

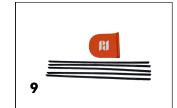| No.	Name	Spec.	Description	Robots
1	Sweep Side Brush	Consumables, Sweep Side Brush, 2 Pcs, Nylon Bristles, Quick Detatch	Suitable for sweeping most types of floors and waste; MT1 Max standard consumables, suitable for common hard surfaces, such as polished concrete, ceramic tiles, terrazzo, anti-slip tiles, wooden floors, PVC, and epoxy resin.	MT1 series
2	Removable Sweep Rolling Brush	Consumables, Sweep Rolling Brush, 1 Pcs, Nylon Bristles, Side Drawn, removable		MT1 Max
3	Air Filter	Consumables, Air Filter Set, 2pcs, F9 Filter Level, Non-Woven Filter Paper, Metal Frame	Filter airborne dust while sweeping. In areas with significant dust, manual/auto dust scraping or disassembly for cleaning should be performed frequently, and replacements should be made when necessary.	MT1 , MT1 Max
4	Waste Container Sealing Rubber	Consumables, Waste container sealing rubber, 2pcs, Black	Fixed with screws at the front of the waste container and should be replaced regularly to prevent deformation of the rubber, which could result in small debris not being swept into the trash box.	MT1 series
5	Sweep Rolling Brush Sealing Rubber	Consumables, rolling brush chamber front rubber, 2pcs, Black	Replace by pulling from the side of the roller brush cover. Regular replacement is necessary to avoid any loss of effectiveness in collecting small debris due to deformation of the rubber.	MT1 series
6	MT1 Vac Side Brush (antistatic)	Consumables, soft sweep side brush, 1 pairs(2 Pcs), Nylon Bristles, antistatic, Quick Detatch	Suitable for cleaning garbage on most floors and short-haired carpets.	MT1 series
7	Charging Station	Accessory, MT1 series, MSBC01	Automatic charging for MT1.	MT1 series
8	12 V to DC Power Supply Cable	Accessory, MT1 series, external device power cable, 12 V, with DC male connector	12V DC male connector cable, used for powering external third-party devices.	MT1 series
9	Warning Flag	Accessory, MT1 series, safety warning flag, silicone flag surface, orange, with flagpole	Quick-install design for warning purposes.	MT1 series
10	Elevator Control System	Accessory, MT1 series, elevator control system, 2.4g Lora, with aerial	2.4G elevator control retrofit kit for machine end.	MT1 series
11	Elevated Warning Light	Accessory, MT1 series，red-green dual indicators with buzzer and built-in cable	Raised design with prominent audio-visual alerts ensures effective warning.	MT1 series

PUDU MT1 、PUDU MT1 Vac、PUDU MT1 Max Comparison

PUDU

	PUDU MT1	PUDU MT1 Vac	PUDU MT1 Max
Product			
Dimensions	840 × 600 × 490 mm (33*23.6*19.3 in)	840 × 600 × 490 mm (33*23.6*19.3 in)	840 × 600 × 675mm (33*23.6*26.6 in)
Color	Black	Black	Black
Cleaning Capability	Sweeping	Sweeping, Vacuuming, Dust-mopping	Sweeping
AI Spot Cleaning	√	√	√
AI Adaptive Cleaning	√	√	√
AI Cleaning Performance Detection	√	√	√
Navigation	LiDAR SLAM + Marker + VSLAM	LiDAR SLAM + Marker + VSLAM	3D LiDAR SLAM + Marker + VSLAM
Battery Capacity	45 Ah	60 Ah	60 Ah
Charging Time	About 3 h	< 3.5 h	< 3.5 h
Run-time	4～8 h	3 ~ 6.5 h (standard sweep and vacuum mode on hard floors: 4 h)	5～10 h Standard Mode: 8 h
Cleaning Efficiency	Max. 1800 ㎡/h (19,375 ft²/h)	Max. 1400 ㎡/h (15,069.5 ft²/h)	Max. 2200 ㎡/h (23680.6 ft²/h)
Auto Charging	√ (requires optional charging station)	√ (requires optional charging station)	√ (requires optional charging station)
Dustbin Capacity	/	14 L（7 L*2) 3.7 US gal (1.85 US gal*2)	/
Trash Bin Capacity	35 L (9.25 US gal)	6 L (1.585 US gal)	35 L (9.25 US gal)
IP Rating	IPX3	IPX3	IP54
IEC 63327 Certification	√	√	√
Computing Platform	Single-SoC Architecture	Single-SoC Architecture	Dual-SoC Architecture
Sensors	LiDAR ×1, VSLAM Cam ×1, RGBD ×3, RGB ×2, Line Laser ×3	LiDAR ×1, VSLAM Cam ×1, RGBD ×3, RGB ×2, Line Laser ×3	3D LiDAR ×1, LiDAR ×1, VSLAM Cam ×1, RGBD ×3, RGB ×2, Line Laser ×3
Optional Charging Station	√	√	√