



DATASHEET COCONUT Mobile Robot	
S+A2:B30ize(W x L x H)	660 x 560 x 400 mm
Total Weight	40 Kg.
Drive mode	2 wheels differential drive + 4 support wheels
Maximum incline allowed	15 deg
Maximum step climb	10 mm
Narrowest Aisle allowed	0.8m
Max linear Velocity	1.5 m/s(5.4Km/h)
Max linear Acceleration	1.5m/s <sup>2</sup>
Max Angular Velocity	1.2 rad/s
Max Angular Acceleration	1.2 rad/s <sup>2</sup>
Control Precision	linear ±10 cm,angular ±3 deg
Operation Time	24 hours
Battery	Replaceable 24V 100Ah battery
Charging Mode	Replaceable Battery or Direct charge
Charging Time	3 Hours 90% , 4 Hours 100%
Navigation (Manual)	Mobile application (tablet base)
Navigation (Auto)	Self navigation (LiDAR)
Self localization	Tracking camera
	2x wheel encoder
Communication	WIFI(IEEE 802.11 a/b/g/n,2.4GHz,5GHz)
	4G (2100 MHz,1800 MHz,2600 MHz,900 MHz,800 MHz)
Safety	10 x Ultrasonic Sensor(4 front,6 rear)
	1 x Lidar
	2 x Multi angle Mechanical bumper(1 x front,1 x rear)
	1 x Emergency Switch
Visualization	1 x dept camera
Safety Distance	30 cm
Computer	Intel i7 (Gen 10),8GB DDR4 RAM,256 GB ROM