


ATEAGO S7 Delivery robots specs - EN

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Picture		
Basic Parameters	Height	1240(mm)
	Length*Width	734*495 (mm)
	Weight	50kg
	Exterior material	Flame Resistance ABS
Load Device	Layer Configuration	4 layers (can use customized box)
	Single layer height	4 layers: 190mm, 190mm, 190mm
	Detachability	Detachable layers
	Size	600*424mm
	Load capacity	max 200kg
Operating environment	Waterproof and dustproof grade	Whole body: IP43; Battery: IP66
	Operating temperature	-10 °C ~ 65 °C; UV resistance; Corrosion resistant
	Storage temperature	-20°C~65°C
	Charging temperature	5~40°C (indoor)
Display	10.1-inch screen, resolution 1280*720	
Network Communication	4G	supported,FDD B1/B3/B5/B8,TDD B38/39/30/41
	5G	Support, need to add 5G accessories
	Traffic quota	Each robot is 2G/month
	WIFI	Wifi module (AP6256) 2.4G&5GHz, support 802.11a/b/g/n/ac protocol
OS	Android 8.1+ Linux	
Sensors	Lidar*1	Detection range: 360°, detection distance: 0.02 ~ 25m
	Depth camera	FOV: H 58.4° V 45.5°, detection distance: 0.4 ~ 2m
	RGB camera	215°FOV, resolution 1280*720
	IMU	6DOF; Rate dynamic range: ±2000dps; Accuracy: 0.01 degree
Charging & Battery Life	Battery	Charging voltage: 24V
		Capacity: 30Ah Duration: continuous 16 hours with light load 7*24h service can be achieved with the charging pile. Time to fully charge: 5.5 hours
	Adapter	Working voltage: 100~240VAC, 50/60Hz
	Charging pile	Size: 375mm*160mm*355mm Weight: 4.35kg Input: 100-240V~50/60 Hz Output: 29.4V==7.0A
Control	GPU	ARM® Cortex™-Dual core Cortex-A72 1.8/2.0GHz; Quad-core Cortex-A53 1.4GHz
	Ram	4GB Dual channel LPDDR4
	Rom	32GB High speed eMMC
	DSP	Raspberry CM4
	CPU	ARM® Cortex™-Dual core Cortex-A72 1.8/2.0GHz; Quad-core Cortex-A53 1.4GHz
	Image processing	ARM® Mail-T860MP4 GPU Support OpenGL ES 1.1/2.0/3.0,OpenCL1.2,Directx11 Embedded high-performance 2D acceleration hardware H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265; The decoder supports 10bit decoding 1080P multi-format video decoding, supporting H.264, VP8 and MVC
Other Firmware	Ambient lighting	LED
	Emergency button	Located on the chassis. Gently press the red button to trigger.
	Loudspeaker	8Ω15W, supports TTS/ audio stream output
	Velocity	0.3-1.2m/s (adjustable)
Performance	Whether support outdoor operation	It can be used in the park zone that meets certain requirements.
	Obstacle climbing	20mm
	Slope climbing	8°
	Floor gap width	60mm
	Passage width	The passing width of the robot should be no less than 60cm
	Elevator width	No less than 60cm
	Gate width	No less than 60cm
Software	Wechat mini program & APP	Wechat remote management, wechat mini program can achieve the robot task command, map function editing and task statistics visualization and other functions, no need to download and install
	Robots management cloud platforms	Rights allocation and business management of robot users; Operational data analysis
	Remote monitoring platform	Robot real-time status monitoring; Fault real-time alarm and remote processing;
	Remote mapping platform	Remote deployment can be achieved, and the robot can remotely scan and edit the map
	Remote dispatch platform	Remote cross-space scheduling
Real-time data visualization large screen	Show real-time status and operational statistical analysis of robots in different businesses	