

AutoXing®AX6114 D300E Intelligent Delivery Robot Specs

Picture



Basic Parameters	Height	1240 (mm)
	Length*Width	900*600 (mm)
	Weight	100kg
	Exterior material	ABS, Sheet Metal
Load Device	Layer Configuration	1 layer (can use customized box)
	Size	770*600 mm
	Load capacity	300kg
Operating environment	Waterproof and dustproof grade	Whole body: IP43; Battery: IP66
	Operating temperature	-10℃ ~ 65℃; UV resistance; Corrosion resistant
	Storage temperature	-20℃~65℃
	Charging temperature	5~40℃ (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
	Bluetooth	Bluetooth 5.0, BLE
OS	Android 11+ Linux(Ubuntu)	
Sensors	Lidar*1	Detection range: 360°, detection distance: 0.02 ~ 40m
	Depth camera	F0V: H 72° (±3°) V 50.5° (±3°), detection distance: 0.4~2m
	RGB camera	215° F0V, resolution 1280*720
	IMU	6DOF; Rate dynamic range: ±2000dps; Accuracy: 0.01 degree
	Wheel Speed Sensor	odometer
Charging & Battery Life	Battery	Charging voltage: 24V
		Capacity: 30Ah
		Duration: continuous 9 hours
		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	Chassis CPU	ARM® Quad-core Cortex-A72 1.5Ghz
	Screen CPU	ARM® Quad-core Cortex-A55 2.0Ghz
	Chassis GPU	VideoCore VI
	Screen GPU	Mail-G52 GPU
	Chassis Memory	RAM:4GB Dual channel LPDDR4; ROM:32GB High speed eMMC
	Screen Memory	RAM:2GB Dual channel LPDDR4; ROM:16GB High speed eMMC
	Image Processing	Support OpenGL ES 1.1/2.0/3.0,OpenCL1.2,Directx11
		Embedded high-performance 3D 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	1
	Loudspeaker	8Q15W, supports TTS/ audio stream output
	Velocity	1.2m/s (adjustable)
	Navigation Mode	Free Navigation / Track Navigation / Mixed Navigation / Follow

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	35mm
	Passage width	The passing width of the robot should be no less than 75cm
	Elevator width	No less than 75cm
	Gate width	No less than 75cm
	Positioning Accuracy	±5(mm)/±1(°)
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