


| ATEAGO S7D80 Delivery Robot Specs | | |
|------------------------------------|---|---|
| Image |  | |
| Basic Parameters | Height | 1240 (mm) |
| | Length*Width | 550*500 (mm) |
| | Weight | 58kg |
| Load Device | Exterior material | Flame Resistance ABS |
| | Box configuration | 4 layers (can be combined and adjusted into 2-layer, 3-layer, 4-layer) |
| | Single layer height | 4 layers: 190mm, 190mm, 190mm |
| | Detachability | Detachable layers |
| | Size | 500*424mm |
| Operating environment | Load capacity | 80kg |
| | 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 |
| Display | Charging temperature | 5~40°C (indoor) |
| | Display | 10.1-inch screen, MIPI interface, 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 to 40 m |
| | Depth Camera | FOV: H 72°(±3°) V 50.5°(±3°) , Detection Distance: 0.4~2m |
| | RGB Camera | 215°FOV, Resolution1280*720 |
| | IMU | 6 DOF; Rate Dynamic Range: ±2000 dps; Accuracy: 0.01° |
| | Wheel Speed Sensor | odometer |
| Charging & Battery Life | Battery | Charging voltage: 24V Capacity: 15Ah Duration: 10h 7*24h service can be achieved with the charging pile. Time to fully charge: 2.5 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 |
| | Chassis CPU | ARM® Quad-core Cortex-A72 1.5Ghz |
| Control | 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 |
| | Ambient lighting | LED |
| Other Firmware | Emergency button | 1 |
| | Loudspeaker | 8Ω15W, supports TTS/ audio stream output |
| Performance | Velocity | 0.3-1.2m/s (adjustable) |
| | Navigation Mode | Free Navigation / Track Navigation / Mixed Navigation / Follow |
| | 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 70cm |
| | Elevator width | No less than 70cm |
| | Gate width | No less than 70cm |
| | Positioning Accuracy | ±5(mm)/±1(°) |
| Expansion | Peripherals | Elevator, automatic door, notification light and speaker, call button, follow wristband, roller, box, shelf |
| Software | Mini Program, App | Remote management via WeChat, allows task command issuance, map editing, and task statistics visualization without installation |
| | Robot Management Big Data Cloud Platform | User permissions and business management; Operational data analysis |
| | Remote Monitoring Platform | Real-time robot status monitoring; Fault real-time alarms and remote handling |
| | Remote Deployment Management Platform | Remote deployment, robot remote scanning, and map editing |
| | Remote Scheduling Management Platform | Remote cross-space scheduling |
| | Real-time Data Visualization Screen | Displays real-time robot status and operational statistics under different business scenarios |