

# Industrial Delivery Robot X300

Create More Flexible Logistics Handling

| Intelligent | Efficient | Safe



## Product Specifications



<b>Dimensions:</b> 852*506*1270mm	<b>Max lifting height:</b> 60mm
<b>Net weight:</b> 120kg	<b>Rotation diameter:</b> 950mm
<b>Max payload:</b> 300kg	<b>Driving mode:</b> Dual-wheel differential drive
<b>Charging time:</b> 3h	<b>Communication methods:</b> 4G, WIFI, Lora
<b>Battery life:</b> Over 12h when unloaded; 8h for typical working	<b>Max speed:</b> 1.2m/s when unloaded, 0.7m/s when fully loaded
<b>Obstacle detection:</b> Forward diagonal LiDAR, top and bottom depth cameras, forward-tilted LiDAR, full surround anti-collision strip	

## Product Highlights



### High Robustness

Adopting SLAM technology with laser + vision and multiple sensors fusion, it realizes autonomous mapping, planning and navigation by means of full scene perception.



### Robot Near-field Scheduling

Not relying on RCS scheduling system and network system, robots in close proximity can autonomously establish peer-to-peer communication for task scheduling.



### Excellent Passing Ability

Minimum 60cm passing ability, with autonomous obstacle detection and avoidance, the robot can smoothly pass through ground conditions such as 5° slopes, 20mm steps, and 35mm grooves.



### Openness and Expandability

Hardware interface, communication interface and API interface are reserved for the development of customized models; supports the integration of dispatching system and MES system.



### Full-Scene IOT Connectivity

Support the integration of access control, elevator, pager, production line material calling, traffic control lights, intranet bridge gateway, etc. Without the need for cumbersome system integration, it can realize the whole scene IOT connectivity for high efficiency.



### Digital Empowerment

It realizes full-scene visualization and digital management, greatly facilitating flexible material handling in factories.

## Customer Value

### Plug and Play

The robot comes with a built-in lightweight deployment tool, so it can be quickly put into operation after building a map according to the guidelines (deployment efficiency: 2000 square meters/30 minutes).

### Zero-latency Operation

Minimalist user-friendly UI interface design greatly reduces the difficulty of use, and it takes only 15 minutes from zero foundation to skilled use of the robot.

### Small Investment, Big Returns

There is no need to purchase systems, servers, or network equipment, and the robot's stand-alone functionality, greatly reducing deployment, time, and learning costs.



### Safe and Reliable

With multiple protection strategies: diagonal dual LiDAR for 360° circumferential detection; upper and lower depth cameras for 3D full-range sensing ahead; and full-surround anti-collision strips and emergency stop switches. It can effectively detect obstacles, low objects and dynamic objects in the scene, to ensure driving safety.

### Self-Monitoring, Self-Diagnosis, and Easy Maintenance

The robot is capable of autonomous health monitoring and self-maintenance reminders. Meanwhile, it can perform self-diagnosis according to the type of problem, and can achieve self-recovery or prompt maintenance methods, which greatly reduces the frequency of operation and maintenance inspections.

### Comprehensive Services

Dual-line service guarantee of remote operation and maintenance services and offline services; Remote operation and maintenance: The cloud platform can remotely solve various complex problems, greatly improving service efficiency; Offline services: There are 5 regional service networks and 3 spare parts warehouses in China for full business support.

## Application Industries



3C Electronics



Semiconductors



Auto parts



Footwear & Apparel / Retail



Food / Pharmaceuticals



Thousands of other industries

## Company Advantage



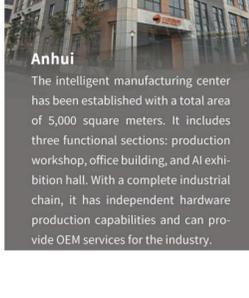
### Beijing

Headquartered in Beijing, rely on the talent advantages of the capital, R&D personnel account for more than 50%, all of whom are top domestic technical talents.



### Shenzhen

In Shenzhen, the "City of Innovation", there is an operation and delivery team of nearly 100 people, responsible for providing full-cycle delivery services covering pre-sales, in-sales, and after-sales.



### Anhui

The intelligent manufacturing center has been established with a total area of 5,000 square meters. It includes three functional sections: production workshop, office building, and AI exhibition hall. With a complete industrial chain, it has independent hardware production capabilities and can provide OEM services for the industry.

## Cooperating Enterprises

Trusted by over 12000 customers



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