



**Delivery X1/X1 Pro**  
Where Technology Meets Affordability



SHORT-TERM ROI

# Bring productivity up and costs down

With a load capacity up to 30kg, Delivery X1 can serve several tables at one go. It has a long uptime backed by large-capacity LFP batteries, and calculates the most efficient path to save energy consumption. These, plus X1's affordable price, promise a quick ROI and help you cut down operating costs in a short time.

- Up to 30kg load capacity
- 14-20 hour uptime
- Keenly priced

DELIVERY MADE EFFORTLESS

# Simplify your delivery process

Delivery X1 features hassle-free mapping process. It will automatically map the site and does not require scanning location markers for assistance of positioning. The trays of Delivery X1 Pro are equipped with weight sensors and LED indicator lights that perceive and signal the load status. When the load is emptied by the customer, the robot will automatically leave for next tasks.

- Marker-less deployment
- Smart load perception and indication
- Remote-control mobile app

OBSTACLE AVOIDANCE & SHOCK MITIGATION

# Collision-free and spill-proof

The navigation algorithms of Delivery X1 are based on a fusion of LiDAR and 3D depth cameras, which provide high-level environmental perception and smart obstacle avoidance. The automotive-level independent suspension chassis creates superb shock mitigation effect for a smooth and stable delivery experience of drinks or liquid dishes.

- Smart obstacle avoidance
- Independent Suspension Chassis

# Key Features:

## Marker-less Deployment

Automatic mapping without scanning QR location code, saving 75% deployment time while protecting interior design of the site

## Smart Trays (X1 Pro)

Equipped with weight sensors and LED indicator lights, signaling the load status and automatically leaving after the load is emptied

## Industry-leading Shock Mitigation

Adopting automotive-level independent suspension chassis to ensure the best shock mitigation effect for a stable, spill-proof delivery process

## Navigating Narrow Aisles

Effortlessly passing through aisles as narrow as 60cm supported by high-precision sensors

## High Performance Battery

Adopting lithium phosphate battery—higher thermal stability and 6X longer endurance than common ternary lithium batteries

## Multi-robot Collaboration (coming soon)

Able to realize intercommunication between robots to work collaboratively in large sites



# Superb performance in a broad range of applications:

Restaurants | Cafes | Hotels | Hospitals | Office buildings | etc.

## SPECIFICATION

### DIMENSION

Length	520 mm   20.5 in
Width	484 mm   19 in
Height	1,250 mm   49.2 in
Unladen Weight	35 kg   77 lb
Tray Size	400*470 mm   15.7*18.5 in
Load Capacity	10 kg *3   22 lb *3
Screen Size	7 in (X1) 10 in (X1 Pro)

### MOVEMENT

Gradeability	5°
Max. Moving Speed	1.2 m/s   2.7 mph
Min. Passable Width	600 mm   23.6 in
Min. Turn-around Width	700 mm   27.6 in
Braking Distance	40 mm   1.6 in

### ELECTRICAL

Battery Type	Lithium Iron Phosphate
Battery Capacity	20 Ah
Rated Voltage	29.4 VDC
Max. Output Power	230 W   0.3 hp
Charging Time	4 hours
Uptime	14 - 20 hours

### SENSING

X1	LiDAR, 3D Camera
X1 Pro	LiDAR, 3D Camera, Pressure Sensor, LED Indicator Light

