



KEY FEATURES

1. Industry-leading autonomous navigation solutions to ensure precise localization and movements
2. 3D stereo obstacle avoidance performance with 120° wider viewing angle
3. Automatically lift taking performance ensured by Keenon own robots lift control solution
4. Long service time: 15 hours uninterrupted service can be provided(actual results may vary)
5. Arc-shaped body design, advanced and rounded to avoid accidental bumping
6. Fully automatic design of cabin opening and closing, designed to prevent pinching hands
7. Extra large 90L delivery space with 4 independent compartments to private distribution of multiple items during peak periods
8. Extreme Obstacle Crossing Performance: 7 degree climbing capacity, 15mm Vertical Height, 30mm Gap Width

DINEBOT X3



SPECIFICATIONS

Product Size(W*D*H)	450*550*1080mm
Product Weight	48KG
Number of Cabins	2/3/4
Cabin Size	390*385*300mm (contain 66 bottles of 550ml water)
Layer Detachable	Yes
Cabin Load Capacity	20kg (5kg per layer, with bottom layer capacity at 10kg)
Screen Size	11.6 inch
Screen Resolution	1920*1080 P
Screen Interactive	light/Touch
Speaker	2 sound tracks
Positioning & Navigation	Laser, IMU, encoder multi-sensor positioning & navigation
Obstacle Avoidance	Dual stereo vision, Anti-collision strips
Sensors	LIDAR, depth vision sensor, and touch sensor
Main Material	ABS Plastic for body
Color Optional	Silver/Champagne gold



PERFORMANCE

Max Speed	0.8m/s (normal pedestrian speed)
Battery Endurance	9-12h (3 deliveries/hr, 5 mins each)
Standby Time	Max 15h
Maximum Climbing Angle	Slope \leq 7°
Overpass Height	Max 15mm
Minimum Pass Width	70cm
Service Life	20000 hours
Obstacle Avoidance Coverage	Lidar range: 270°, \leq 20m; Stereo vision : 120°, 0.1-1.5m
Multi-robot Collaboration	Maximum 20 robots
Multi-point Delivery	Up to 4 rooms (single journey)

BATTERY AND CHARGING

Battery Capacity	DC48V 12AH
Battery Dismountable	No
Charging Mode	Auto/Manual
Charging Input	100-240V~, 50/60Hz
Charging Time Approx.	6.5 hours
Charging Pile Dimension	230*220*290 mm
Charging Pile Weight	2.5 KG

OPERATION ENVIRONMENT

Operating Temperature, Humidity	Operating Conditions: 0-45°C, 5%-85% RH, dust-free
Working Environment	Flat and smooth ground indoors
Storage Temperature	0°C-60°C

OTHERS

WIFI	802.11b/g/n transmission
WIFI Frequency	2.4-2.484GHZ
LoRa Frequency	850.125MHz~930.125MHz



PACKAGE CONTENT



Battery Recharger*1

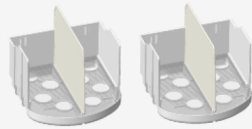
*The actual recharger may be different.



Charging pile*1



Product Manual*1



Inset Compartment



Compartment Splitter Plate

MAIN UNIT AND DIMENSION

Cabin
(delivery)

Power
switch

Dual stereo
vision

Sports
Chassis



11.6-inch
touchscreen

Lidar

Anti-collision
touch strip

Emergency
stop switch

Speaker

Manual
charging port

Turn signals





MAIN UNIT AND DIMENSION

