PEER3000

TRAILER OPERATIONS

Trailer and Dock

Supported Trailers	Common dry vans, incl. 48 ft and 53 ft
Maximum Ramp Angle	5°
Maximum Step Gap	10mm
Maximum Trailer Angle	5°

Load & Pallet

Supported Pallet Types	GMA, EU
Pallet Configuration	Straight Load
Full load or unload	70 min
Max Payload	3000 lbs



Peer Robotics

PEER 3000

DESIGNED TO WORK WITH HUMANS



TECHNICAL SPECIFICATIONS



PEER 3000

Design & Power

Design life	5 years / 2,000 charging cycles
Dimensions	92*32*82 in (2335*806*2080 mm)
Ground Clearance	0.8 inches (20 mm)
Weight	1235 lbs (560 kg)
Battery Type	Li-ion 48 VDC, 75 Ah
Charging Time	1.5 hours (from 20 - 100%)
Charging Dock Type	Autonomous Charging Station
Active Time	8 hours (with full payload)

Performance & Capacity

Payload Capacity	up to 3000 lbs (1350 kg)
Max Speed	3.3 mph (1.5 m/s) (with full load)
Max Acceleration	0.3 m/s² (with full Load)

Environment

Temperature Range	+41°F to +95°F (+5°C to +35°C)
Narrow Aisle Support	⩾ 4 feet (1.2 m)
Inclination	< 2 Degrees
Floor Conditions	max step 0.6 inches (15 mm) max gap 0.6 inches (15 mm)

Sensor & Safety

Safety Laser Scanner	1Pc LiDAR (SIL 2, Cat3, Pl d)
Camera Modules	6Pcs in total; 4Pcs at 78 inches (2000 mm) height; 1 Front Bottom at 17 inches (425 mm) and 1 Back Bottom at 25 inches (630 mm)
Safety Standards	Complies with international safety standards - ISO 3691-4, ISO 10218 & ANSI 15.08

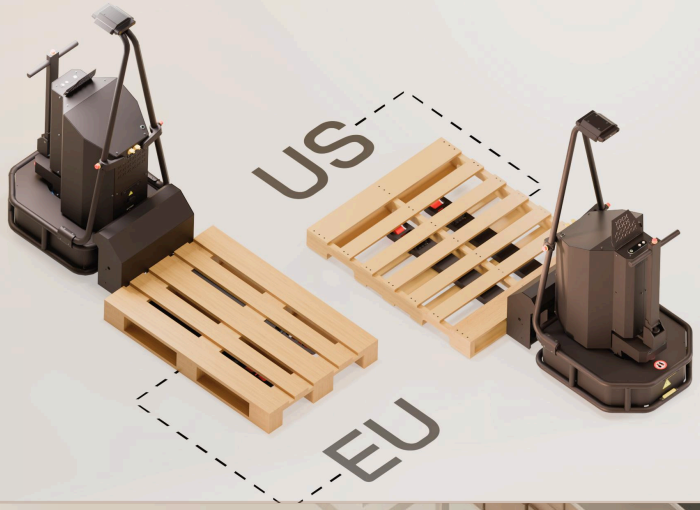
Communication

WiFi	802.11ax Dual-band a/b/g/n/ac
Ethernet	Gigabit Ethernet
USB	USB 3.0 via Type C

PALLET MOVEMENT SOLUTION

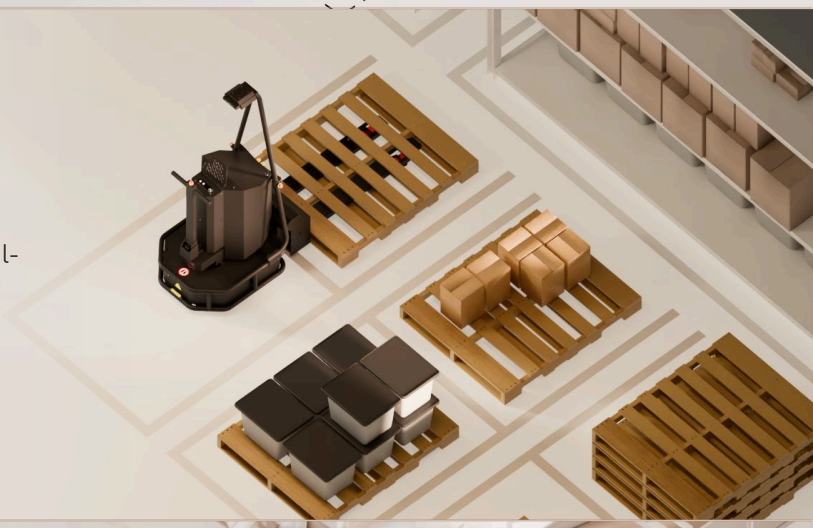
TYPES OF PALLET

- Handles a wide range of pallet types like GMA, EU, CHEP, and many more.
- Automate movement of empty or loaded pallets with ease.



AUTOMATE ENTIRE OPERATIONS

- Goes beyond point-to-point movement, performing real-time pallet detection or empty space detection.
- Operates just like humans - capable of automating entire operations without any human-intervention.



REAL TIME LEARNING FROM HUMANS

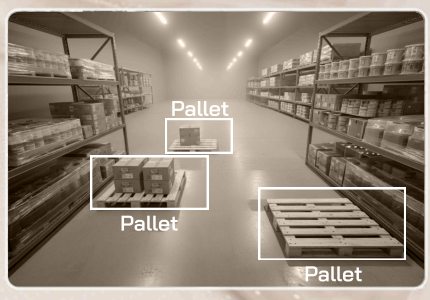
- Program and deploy Peer3000 with ease using it's real time capability of learning from operations.
- Seamlessly switch between fully autonomous and semi-autonomous modes like Follow-Me and HRI with a click of a button.

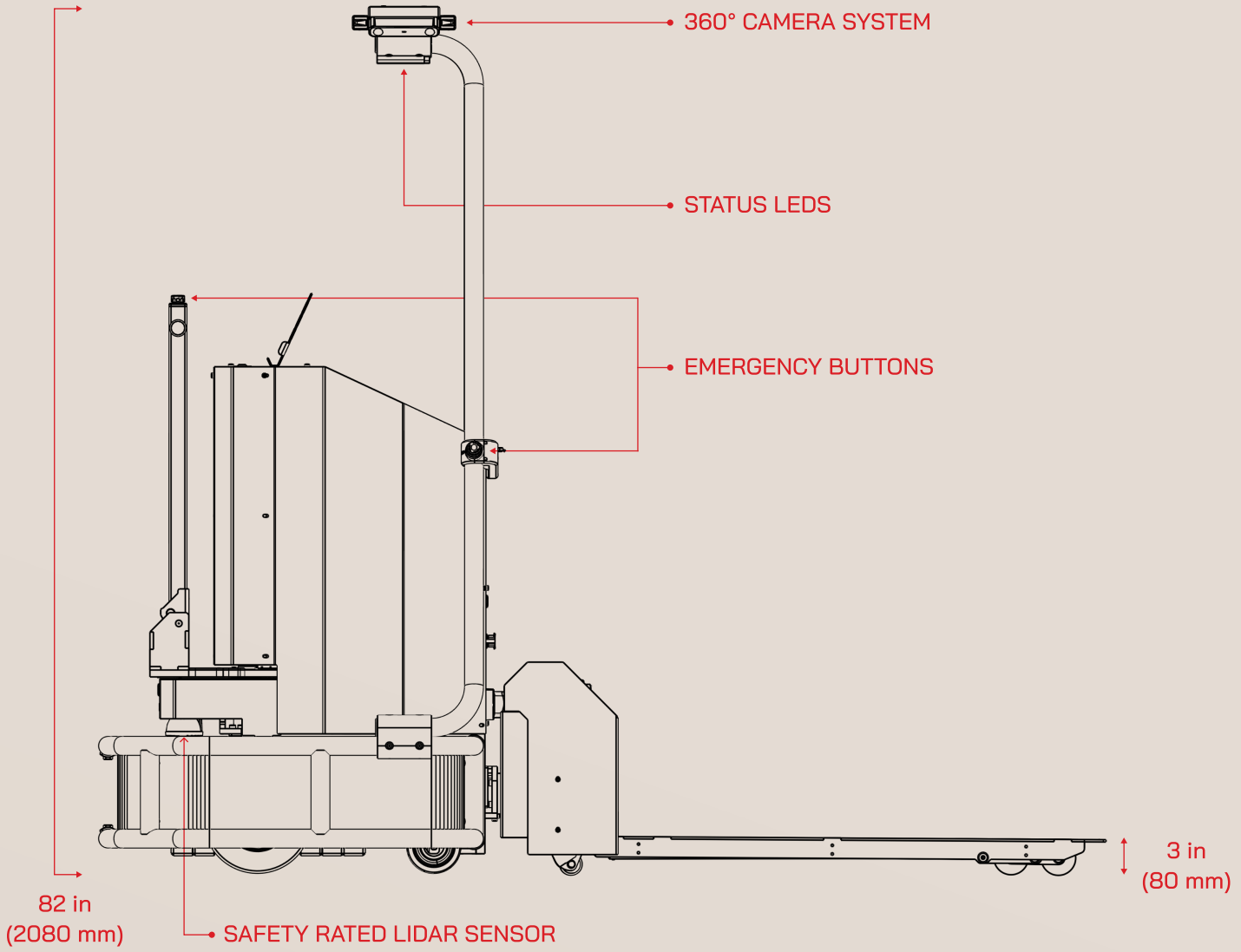


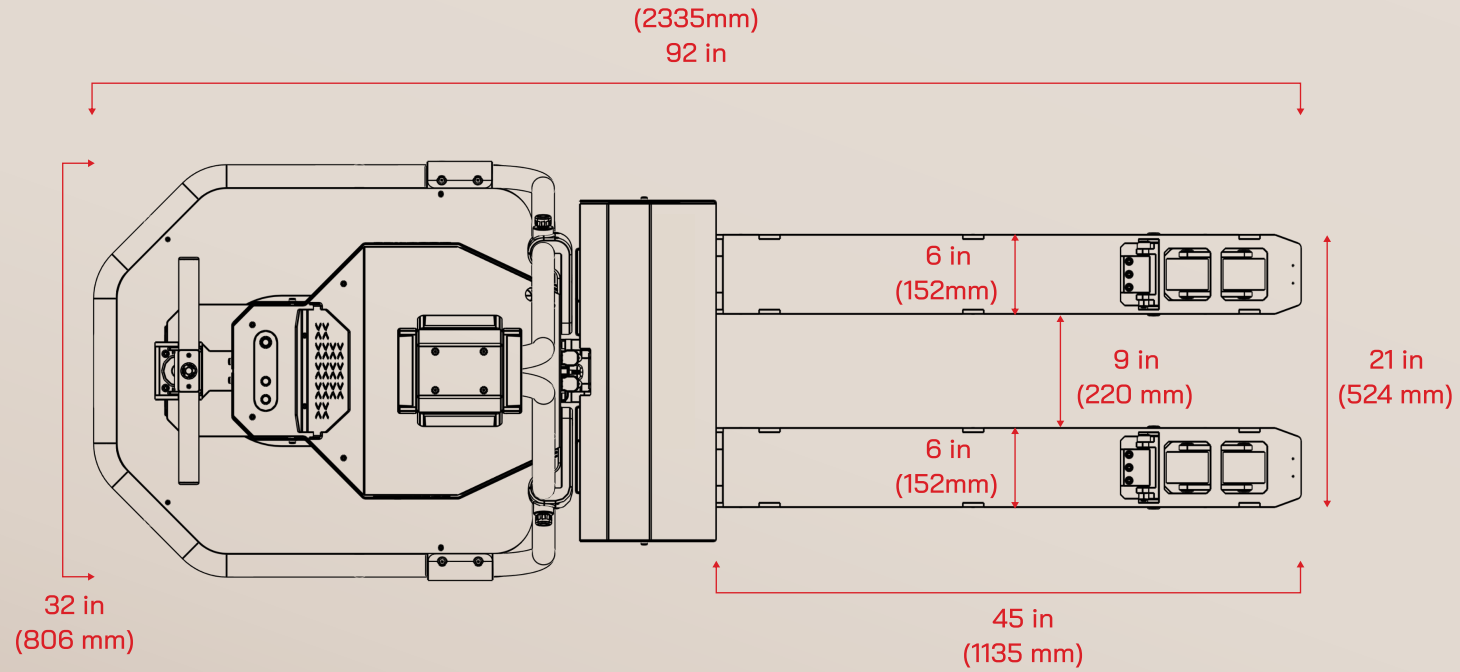
VISUAL INTELLIGENCE

- Built on state of the art fusion between vision and LiDAR system.
- Operates with a complete 3D perspective of the environment while ensuring operational safety.









WEBSITE www.peerrobotics.ai

BOOK A DEMO