

APPLICATIONS

Warehousing & Logistics:
inventory & bin transport
Healthcare:
medical supply & delivery
Hospitality: food, linen & service logistics
Education: R&D, testing, programming



OSPRI RAPTR 1

Rapid Autonomous Payload Transport Robot



AMR AUTONOMOUS MOBILE ROBOT

HIGH CAPACITY, HIGH INTELLIGENCE, HIGH IMPACT

The OSPRI RAPTR-1 Autonomous Mobile Robot streamlines material transport using advanced Laser SLAM navigation for precise, reliable movement with minimal infrastructure. With a 220 lbs payload capacity and intelligent obstacle avoidance, it operates safely in dynamic environments alongside people and equipment. Its modular design and open SDK enable easy customization, while automatic charging ensures continuous, low-maintenance operation.

Sensors: LiDAR, 3D Depth Optics, Ultrasonic & Infrared

Maximum Load: 220 lbs.

Navigation Accuracy: +/- 1.2 inches

Obstacle Avoidance: Real-Time Dynamic Detection

Speed: .2 to 2 mph

Mapping Capacity 86k square feet

Dual Emergency Stop Buttons (Top & Rear)

Dual Wheel Drive System, 4 Omni-Directional Support Wheels

Battery Capacity: 38.4V / 25Ah

Runtime: Full Load Up to 8 Hours, No Load Up to 25 Hours

