



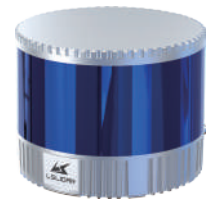
LIDAR 3D SLAM AMR SYSTEM

LIDAR INDUSTRY APPLICATION SOLUTIONS



PROPOSAL

LSLIDAR's LiDAR 3D SLAM AMR system solution is designed for automatic material handling operation scenarios such as airports, ports, factories, and logistics centers. It consists of a world-leading high-precision, high-flexibility, and high-stability AMR ontology system with an intelligent multi-machine scheduling system. Each AMR has a high-precision 360° three-dimensional environment perception capability, and its trackless navigation function can flexibly respond to complex indoor and outdoor environments. The flexibility and automation of the LiDAR 3D SLAM AMR system are far ahead of the second generation of reflector navigation technology solution.



C32/16



N301



Automated Guide & Navigation



AI Pallet Identification & Location



Sensors Integration & Motion Control



Automated Load & Unload



Intelligent Dispatching System



Multilayer Safety Protection



Energy Indicate & Auto Charge

ADVANTAGE

LEADING SENSIBILITIES OF ENVIRONMENT

Based on 3D SLAM algorithm, integrate with multi-lines LiDAR, anti-collision LiDAR, Camera, IMU to create stable, high accuracy mapping and locationing results, suitable for 99% outdoor & indoor environment.

HIGH PERFORMANCE SOLUTION

Apply 3D SLAM algorithm, make a high accuracy location and navigation in complicated environment, build-in self checking and protection strategy. Working with AI dispatching system and WMS, make a high efficiency automated storage management.

HIGH EFFICIENCY MULTI DISPATCHING SYSTEM

No need other accessories, AMR build map by itself, one map can be shared with all other AMRs, flexible adjust for different scenarios, short implement time for multi AMRs.

COST EFFECTIVE

3D SLAM turn key solutions costs much lower than previous standard AMRs solution, make high efficiency and low costs happen together.

