

SMART AUTONOMOUS VEHICLE

This is an industrial grade Material Transport Robot which can carry a payload from 500 kg to 2000 kg in direct loading - towing or tunnel configurations. It comes with completely automatic guidance based on natural features - LIDAR's for mapping and stereo camera's for depth maps. The Robot features minimum turning radius - Automatic Obstacle Avoidance and Automatic System Health Monitoring and fleet management system for multiple AGV's.

FEATURES

- Call & Dispatch System
- Central Control System
- Extensional Functions/Devices
- Elevator / Air shower room / Auto door Integration
- Loader / Unloader devices
- Autonomous traffic control unit
- Other optional guides

NATURAL FEATURE
NAVIGATION

LIDAR
MAPPING

STEREO CAMERA

FLEET MODE

WIFI
CONNECTIVITY

SMART ROUTING

E-MAPS

AUTOMATIC
CHARGING

TECHNICAL SPECIFICATIONS

- Guidance : Natural Features
- Travel Direction : Forward Only
- Communication Available : Wifi
- Driving Mode : Steering Wheel Driving
- Power : DC36V
- Load capacity : 500 Kg/1000kg/2000kg.
- Travel speed : 0-30 m/min
- Safty features : Front obstacle sensor + Mechanical bumper sensor + Emergency stop button
- Dimensions : L1200 x W700 x H217 (mm)
- Minimum turning radius : 1200mm
- Ramp : 1-2 degree
- Guiding accuracy : +- 5 cm
- Stopping accuracy : +- 5 cm
- Workable : 24 hours by optimizing automatic charging





NATURAL FEATURE NAVIGATION



LIDAR MAPPING



AUTOMATIC CHARGING



E-MAPS



TOUCH SCREEN



CONTROLLER



500 KG TO 2000 KG PAYLOAD



STEREO CAMERA



TRAFFIC CONTROL



WIFI CONNECTIVITY



SMART CHARGER

