Mobile Robot
LD Series

Autonomous Intelligent Vehicles (AIVs), self-mapping, self-navigation.

- Natural-feature navigation
  Automatically plans routes to prevent collisions

- Fleet management
  Supervises and coordinates the entire fleet of up to 100 vehicles

- Easy deployment
  Short installation time: no facilities modifications

Ordering Information

Mobile Robot-LD Platform

Appearance	Product Type	Product Name	Maximum Load	Maximum Speed	Configuration & Attachment		Model
	LD-60	OEM	60 kg	1.8 m/s	Bundle	Battery, Docking Station, Battery Power Cable	37030-00003
					Starter kit	Battery, Docking Station, Battery Power Cable, Top Plate, Joystick, MobilePlanner Software Licence	37030-10005
	LD-90		90 kg	1.35 m/s	Bundle	Battery, Docking Station, Battery Power Cable	37040-00003
					Starter kit	Battery, Docking Station, Battery Power Cable, Top Plate, Joystick, MobilePlanner Software Licence	37040-10005
	LD105-CT	Cart Transporter	105 kg	1.35 m/s	Bundle	Battery, Docking Station, Battery Power Cable	37140-00013
					Starter kit	Battery, Docking Station, Battery Power Cable, Acuity Localization, Joystick, MobilePlanner Software Licence	37140-01015
	LD130-CT		130 kg	0.9 m/s	Bundle	Battery, Docking Station, Battery Power Cable	37160-00013
					Starter kit	Battery, Docking Station, Battery Power Cable, Acuity Localization, Joystick, MobilePlanner Software Licence	37160-01015

Software/Controller

Appearance	Product Name	Configuration & Attachment	Model
	MobilePlanner	Installer (USB) License dongle	13495-200
	Enterprise Manager 1100	License dongle	11167-100

Options

Appearance	Product Name	Specification	Configuration & Attachment	Model
	High Accuracy Positioning System	Single sensor	Sensor x 1, Mounting bracket x 1, Power connector x 1, RS-232 connector x 1, 25 mm wide magnetic tape South top side. 50 m roll	13660-100
		Double sensor	Sensor x 2 , Mounting bracket x 2, Power connector x 1 , RS-232 connector x 2 , 25 mm wide magnetic tape South top side. 50 m roll	13660-000
		Magnetic Tape	25 mm wide magnetic tape South top side. 50 m roll	14925-000
	Acuity Localization	-	Camera, Mounting Kit, cables, Leveling kit	13700-100
	Touchscreen		Touchscreen with bracket, Power supply with bracket, Power cable, from core to power supply (33 cm in length), Power cable, from power supply to touchscreen (183 cm in length), Ethernet cable, between touchscreen and core (153 cm in length), Gasket, between touchscreen and AIV mounting surface, Software package, including touchscreen support	13605-000
	Side Laser	Bundle	Laser x 2, Cable x 1 (Y cable for 2 laser)	13456-000
		Kit	Laser x 2, Cable x 1 (Y cable for 2 laser), Mounting kit x 2, Metal Cover x 2	13456-100
	Call/Door Box	WiFi Wired	Call/Door Box, Cable	13029-802

Accessories

Appearance	Product Name	Specification	Configuration & Attachment	Model
	Battery	-	-	12072-000
	Docking Station	-	Docking station, AC Power cable	12477-000
		Extended Wall Mount	Docking Station, AC Power cable, Extended Wall mount (for Cart Transporter)	12477-050
	Joystick	-	-	13558-000
-	Breakout Cable	-	DB44HD Breakout cable (D-SUB44 pin cable for Digital I/O interface)	14165-000
-	Top Plate	Top cover for OEM Model	-	12944-000
	Cart	-	With casters and braking hardware	75020-000

OMRON

Authorized Distributor:

Controllers & I/O
• Machine Automation Controllers (MAC) • Motion Controllers
• Programmable Logic Controllers (PLC) • Temperature Controllers • Remote I/O

Robotics
• Industrial Robots • Mobile Robots

Operator Interfaces
• Human Machine Interface (HMI)

Motion & Drives
• Machine Automation Controllers (MAC) • Motion Controllers • Servo Systems
• Frequency Inverters

Vision, Measurement & Identification
• Vision Sensors & Systems • Measurement Sensors • Auto Identification Systems

Sensing
• Photoelectric Sensors • Fiber-Optic Sensors • Proximity Sensors
• Rotary Encoders • Ultrasonic Sensors

Safety
• Safety Light Curtains • Safety Laser Scanners • Programmable Safety Systems
• Safety Mats and Edges • Safety Door Switches • Emergency Stop Devices
• Safety Switches & Operator Controls • Safety Monitoring/Force-guided Relays

Control Components
• Power Supplies • Timers • Counters • Programmable Relays
• Digital Panel Meters • Monitoring Products

Switches & Relays
• Limit Switches • Pushbutton Switches • Electromechanical Relays
• Solid State Relays

Software
• Programming & Configuration • Runtime