



VAS CORPORATION




INDUSTRIAL MOBILE ROBOT




FEATURES

- Automatic obstacle avoidance while running.
- Autonomous navigation and localization
- Mobile Robot Supervisor over wireless mesh network.
- Optical Marker-Tracking System for high-accuracy positioning.
- Quick and simple steps of configuration.
- User-friendly interface.
- Easy to operate with 10-inch. touchscreen.
- Shock absorber equipped.
- Long-lasting power batteries.

SPECIFICATIONS


IMR-B		
External Figure		
Dimension (L x W x H)		760 x 520 x 530 (mm)
Actuator		None
Software		Mobile Robot Supervisor
Weight (with battery)		55 kg
Load capacity		100 kg
Maximum speed	Translation	1 m/s
	Rotation	40°/s
Battery	Voltage	24-28VDC
	Capacity	120Ah
Run time		8 hrs*
Charge time		6 hrs*
Safety performance	Equipment	Emergency Stop button
		Holding Brake button
		LiDAR 360°
		Alert melody (Max volume 85 db)
	Safety circuit	Motor overloaded auto-stop
		Check disconnections of sensors Low voltage auto-stop (battery check before run)

* Varies depending on working conditions

IMR-C		
External Figure		
Dimension (L x W x H)		520 x 640 x 615 (mm)
Actuator		Conveyor
Software		Mobile Robot Supervisor
Weight (with battery)		86 kg
Load capacity		100 kg
Maximum speed	Translation	1 m/s
	Rotation	40°/s
Battery	Voltage	24-28VDC
	Capacity	120Ah
Run time		8 hrs*
Charge time		6 hrs*
Safety performance	Equipment	Emergency Stop button
		Holding Brake button
		LiDAR 360°
		Alert melody (Max volume 85 db)
	Safety circuit	Motor overloaded auto-stop Check disconnections of sensors Low voltage auto-stop (battery check before run)
Conveyor maximum speed		1.1 m/s
Conveyor width		580 (mm)
Conveyor length		520 (mm)

* Varies depending on working conditions

SPECIFICATIONS

IMR-M		
External Figure		
Dimension (L x W x H)		520 x 640 x 615 (mm)
Actuator		Articulated Arm
Software		Mobile Robot Supervisor
Weight (with battery)		92 kg
Load capacity (using robot arm)		2 kg
Maximum speed	Translation	1 m/s
	Rotation	40°/s
Battery	Voltage	24-28VDC
	Capacity	120Ah
Run time		6 hrs*
Charge time		6 hrs*
Safety performance	Equipment	Emergency Stop button
		Holding Brake button
		LiDAR 360°
		Alert melody (Max volume 85 db)
	Safety circuit	Motor overloaded auto-stop
		Check disconnections of sensors Low voltage auto-stop (battery check before run)
Nominal power (at full load)		120 (W)
Arm repeatability		± 0,5 (mm)
Arm nominal reach		450 (mm)

VAS CORPORATION

A leading manufacturer of Robot and Motion Control System technologies



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