



Mir 200

Designated use

Collaborative mobile robot	For smaller transport tasks within the industry, logistics and healthcare
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Dimensions

Length	890 mm / 35 in
Width	580 mm / 22.8 in
Height	352 mm / 13.9 in
Ground clearance	50 mm / 2 in
Weight (without load)	70 kg / 143 lbs
Load surface	600 x 800 mm

Color

RAL 7011	Iron Grey
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Payload

Robot payload	200 kg / 440 lbs (maximum 5% incline)
Towing capacity	500 kg / 1100 lbs (see MiRHook 200 specifications)



Speed and performance

Running time	10 hours or 15 km / 9 mi
Maximum speed	Forwards: 1.1 m/s (4 km/h) / Backwards: 0.3 m/s (1 km/h)
Turning radius	520 mm / 20 in (around center of robot)
Positioning accuracy	+/- 50 mm / 2 in of position, +/- 10 mm / 0.4 in to docking marker
Traversable gap and sill tolerance	20 mm / 0.8 in
Accuracy with Precision Docking	+/- 1 mm with MiR Precision Docking

Power

Battery	Li-NMC, 24 V, 40 Ah
Charging time	With cable: up to 4.5 hours (0-80%: 3 hours) / With charging station: up to 3 hours (0-80%: 2 hours)
External Charger	Input: 100-230 V ac, 50-60 Hz Output : 24 V, max 15 A

Environment

Ambient temperature range	+5°C to 40°C (humidity 10-95% non-condensing)
IP class	IP 20
Certifications	ESD certified, Clean Room Certified, ESD Approved



Communication

WiFi Dual-band wireless AC/G/N/B

I/Os USB and Ethernet

Sensors

SICK safety system (2 pcs.) SICK safety laser scanners S300 (front and back)
 360° visual protection around robot

3D camera (2 pcs.) 3D camera Intel RealSense™ Detection of objects
 ahead 50-1800 mm above floor

Top module

Max. height from floor to top 1800 mm / 70 in

Center of gravity < 900 mm / 35 in above the floor

Compliance and approvals

Safety standards for industrial vehicles CE, EN1525 & ANSI B56.5

EMC EN61000-6-2 & EN61000-6-4