INMOTION ROBOTIC
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Omni-Terrain Operations | Travel Light

PUMA M20

Unleash the Power of Mobility
Where Agility Meets Intelligence
Compact Powerful Unstoppable
Your Trusted Companion for Every Challenge

SPECIFICATIONS

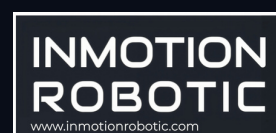|	PUMA M20	PUMA M20 Pro
Dimension	0,82 m x 0,43 m x 0,57 m	0,82 m x 0,43 m x 0,57 m
Weight	33 kg	33 kg
Payload Unloaded	15 kg	15 kg
Endurance/Range Loaded	3 h / 15 km	3 h / 15 km
Endurance/Range	2,5 h / 12 km	2,5 h / 12 km
Ingress protection	IP66	IP66
Temperature	-20℃~55℃	-20℃~55℃
Max. Speed [1]	5m/s	5m/s
Field Operating Speed	2m/s	2m/s
Step/Obstacle's H	25cm	25cm
Slope[2]	45°	45°
Computing Power	Dual Octa-Core 64-bit Industrial Processors (16GB+128GB)	Triple Octa-Core 64-bit Industrial Processors (16GB+128GB)
LiDAR	×2	×2
Wide-angle Camera	×2	×2
SLAM Mapping & Navigation	—	●
Omni-Directional Obstacle Avoidance[3]	●	●
Point Cloud Surround View[4]	●	●
Auto Charging	—	● (Optional)
Front/Rear LED Lights	●	●
Hot-Swappable Battery	●	●
Hardware Interfaces	Power Port (72V) Gigabit Ethernet	Power Port (24V/72V) Gigabit Ethernet, USB 3.0

[1] Lab-tested extreme data; speed limited to 3m/s for safety.

[2] Lab-tested data; actual performance may vary by surface material.

[3] [4] This feature will be available via a future OTA update.

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- Backpack-sized for easy transport
- Navigate freely through 50 cm narrow passages
- IP66 Protection Rating
- Operate in temperatures from -20℃ to 55℃

Agile and Versatile: Suitable for Multiple Application Scenarios

Extreme Environments Continuous Operation

Industry-Leading Performance

Payload
15kg

Max. load
50kg

Endurance
2.5h

Stair-climbing height
25cm

Ultra-Wide Joint Mobility Range

Seamless "transformation", switch freely between "front elbow/rear knee" and "full elbow" leg configurations to adapt to diverse scenarios.

Lighter, Faster, Smarter

The all-new PUMA M20 debuts as a medium-sized, agile, and portable robot with industry-leading capabilities for harsh environments.

Parameters are based on official test data; actual performance may vary in real-world conditions.
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