

Atribot S1

Your AI Robotic Partner, Together Forward



Join us and together Drive the Global Transformation
towards Embodied Intelligence



Science
Breakthroughs



Industry Intelligent
Transformation



End-User
Application Exploration

CORE PARAMETERS

Model

Parameters

S1

Degrees of Freedom Allocation (excluding grippers)

Total	23 DOF
Dual Arm DOF	7 DOF *2
Torso DOF	4 DOF*1
Head DOF	2 DOF
Chassis DOF	3 DOF (Vx Vy Yaw)

Robot Performance Parameters

Arm End-effector Rated Load (Horizontal, Continuous)	5 Kg
Joint Max Velocity	500 °/s (Shoulder), 800 °/s (Elbow), 1200 °/s (Wrist)
Joint Max Torque	200 Nm (Shoulder), 66 Nm (Elbow), 18 Nm (Wrist)
Arm End-effector Maximum Velocity	>10 m/s
Arm End-effector Maximum Acceleration	>100 m/s ²
Arm End-effector Repeatability	±0.1 mm

Sensor System

Head camera	RGB-D camera * 1 Stereo vision camera*1
Gripper camera	RGB-D camera*2
Chest camera	RGB-D camera*1
Chassis LiDAR	LiDAR*2

Endurance

Battery	1000 Wh
---------	---------

Others

Chassis Velocity	1.67 m/s (Unlockable to higher velocity)
Driving method	Cable-driven & Motor-driven
Data collection method	VR whole body collection



Learn more



Follow us