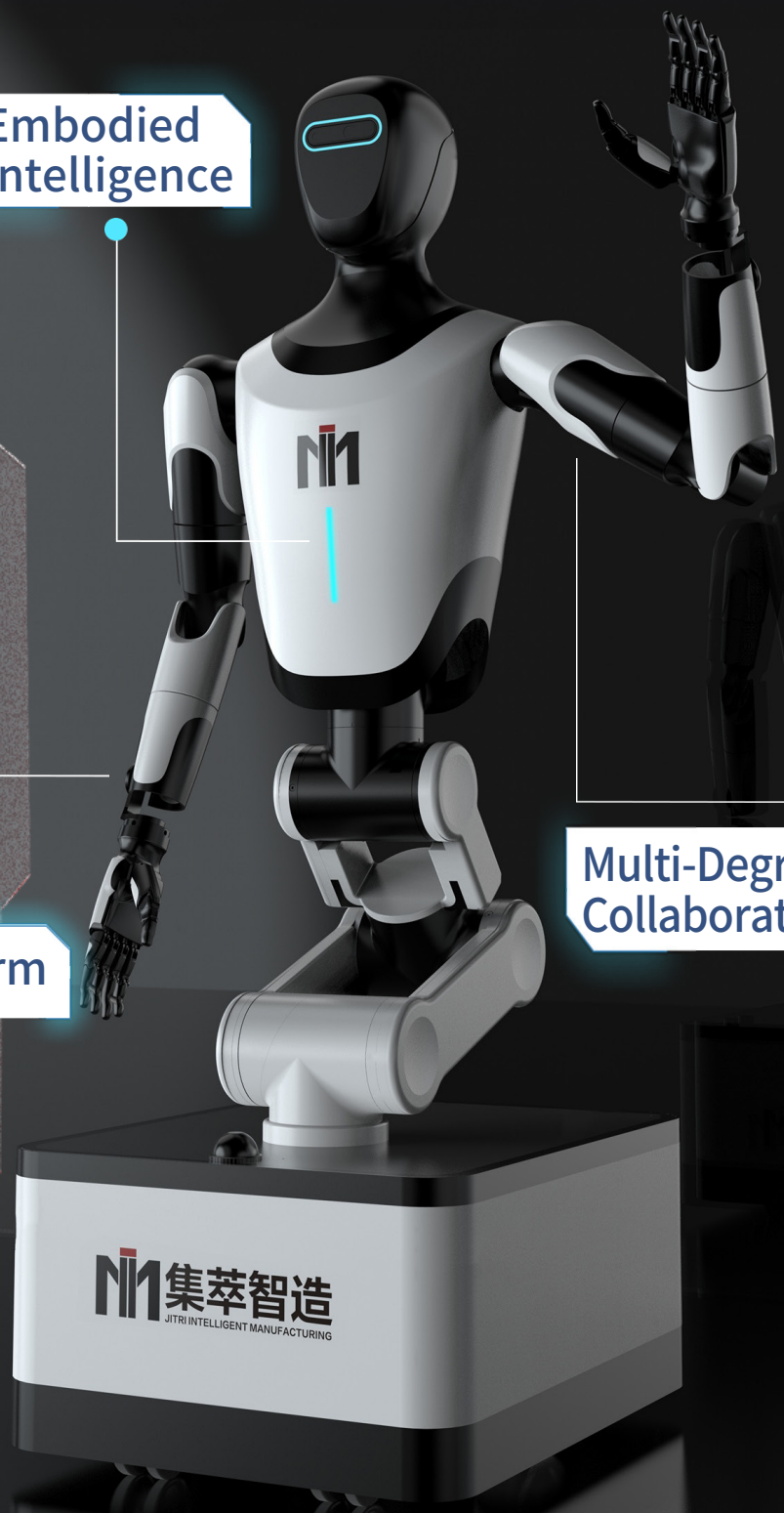
IIMT

New Era of Human Machine Collaboration

'Jizhi A1' Robot

Embodied Intelligence Pioneer · Multimodal Scenario Adaptive Solution



Embodied Intelligence

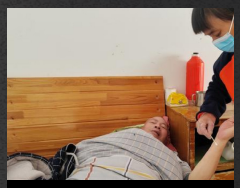
Agile arm

Multi-Degree-of-Freedom Collaborative Robot Arm

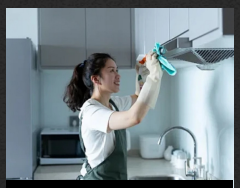
IIMT ROBOT

'Jizhi A1' Robot

Applicable scenarios


Rehabilitation nursing


Elderly companionship


Home Cleaning


Inspection Operations


Workshop assembly

Embodied Intelligence Pioneer · Multimodal Scenario Adaptive Solution

Basic parameters

Length, width, & height	607mm*507mm*(1360-1680)mm	**Neck degree of freedom**	2
Weight	80kg	**Degree of freedom of the robotic arm**	6/7
Chassis drive mode	Two-wheel drive differential/ four-wheel drive	**Maximum climbing angle**	Two-wheel drive 3° / four-wheel drive 15°
Turning form	Turn in place	**Mechanical arm payload**	3kg/5kg
Rated payload of the chassis	70kg	**Degree of freedom of dexterous hand**	6
Maximum speed of the chassis	5km/h or 7km/h	**Charging method**	Automatic Docking/ Manual Charging
Operating temperature	-20~45°C	**Industrial grippers (optional)**	Two fingers, three fingers
Drive wheel power	160W	**LiDAR**	Multi-line/single-line
Battery specification	24V*50Ah/48V*25.6Ah	**Depth Camera**	Orbbec/IntelRealsenseD435
Battery life/h	5	**IMU**	Three-way inertia
Battery charging time	1.5h	**Ultrasonic sensor**	Four/eight
Total Degrees of Freedom	32/34/36	**Anti-collision strip**	Optional
Chassis degree of freedom	2/4	**Speaker**	Optional
Lower limb & waist degrees of freedom	3 pitch +1 yaw	**Microphone**	Optional

Scan QR code

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