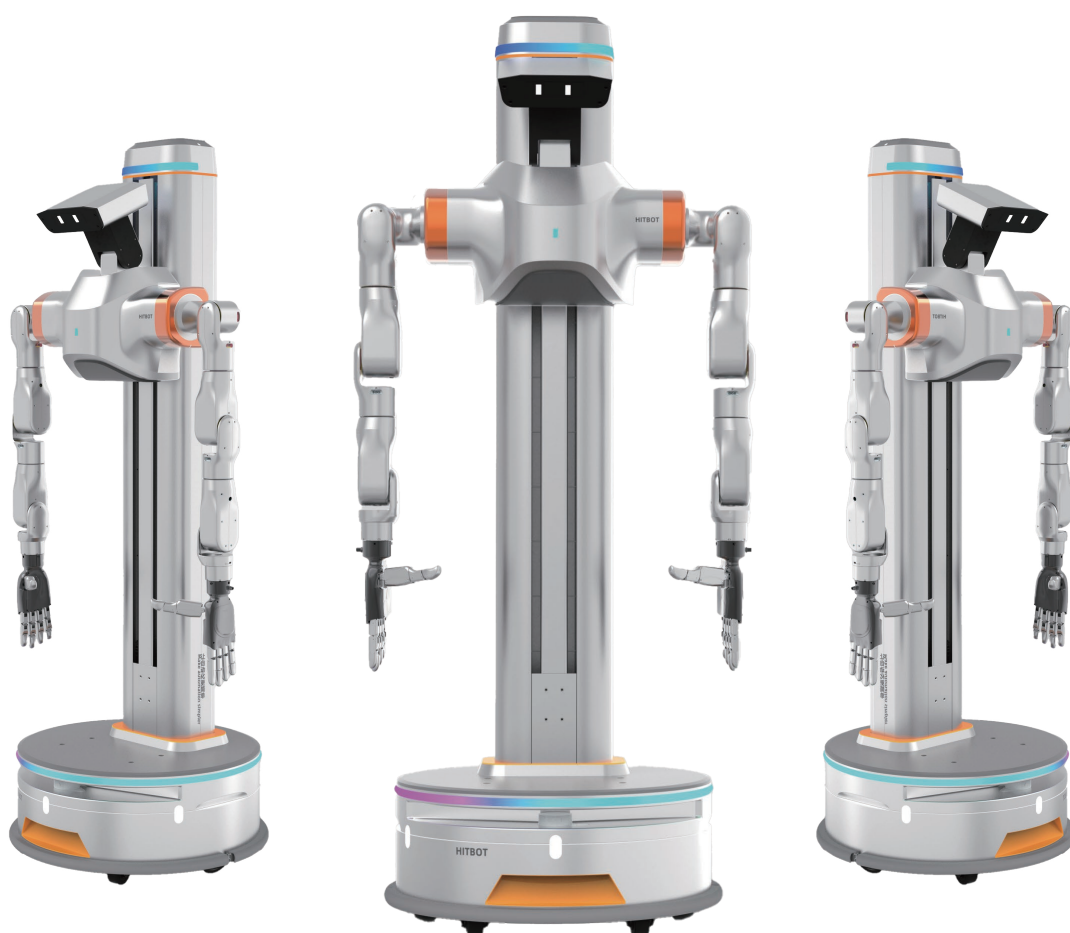




Humanoid Robot Product Manual

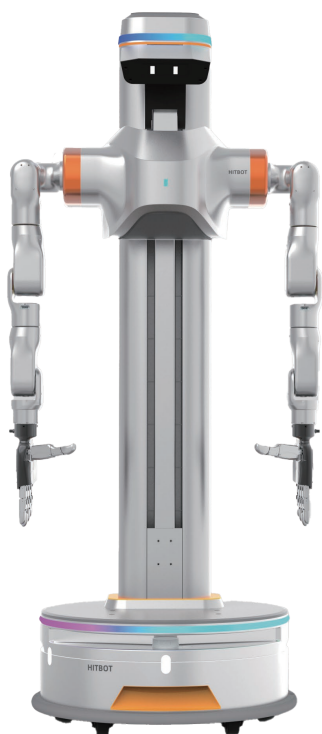
Product: 4-axis robot/6-axis robot/End effector/Intelligent cylinder
Dexterous hand/Humanoid robot

Industry: Medical/6C/New retail/Education.....





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Humanoid robot

Feature

- Efficient movement: The wheeled movement mechanism improves movement efficiency by 30%-50% compared to the traditional bipedal walking mode, and has stronger movement stability.
- 7-DOF bionic dual arms: Paired with a dexterous hand or two-finger gripper, it can handle a 3kg item. It support precise operations like grasping and handling, and is suitable for a variety of tasks, including industrial assembly and logistics sorting.
- Smart chassis design: enables 360° flexible steering and centimeter-level precise positioning, with excellent passability in narrow spaces.
- Multimodal perception: Integrates lidar and RGB-D cameras to build real-time environment maps.

Application



Family assistant



Production Assistance



Catering and Retail



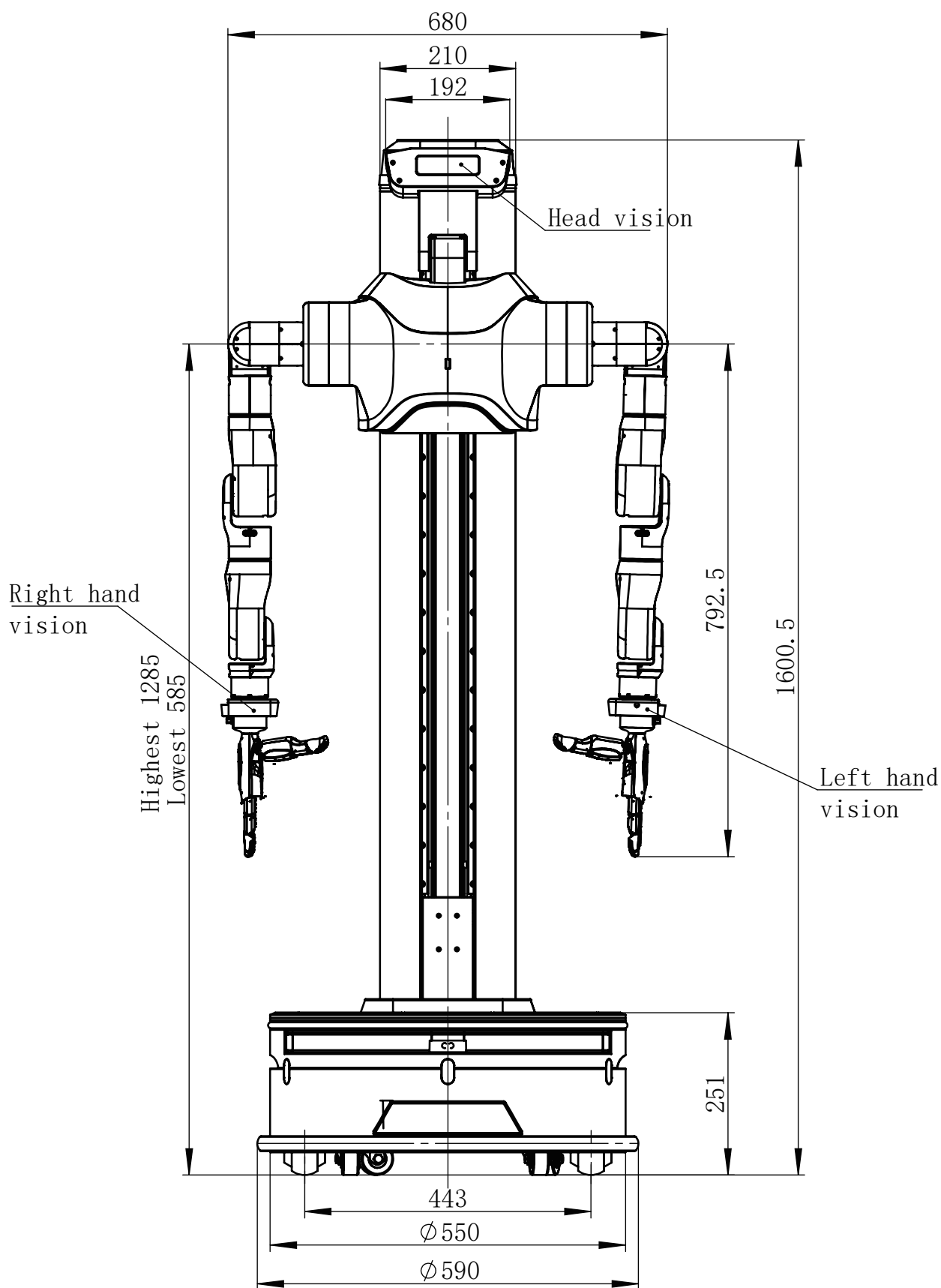
Medical Assistance

	Item	Parameter
Mechanical size	Size	1600*680*550mm
	Weight	95KG
	Freedom(motor number)	19
	Mobile base freedom	3
	Single arm freedom	7
	Waist freedom	1
	Head freedom	2
	Dexterous hand/gripper	Optional
	Joint motion range	J1: -60°~180° J2: -90°~90° J3: -160°~160° J4: -90°~90° J5: -120°~120° J6: -90°~90° J7: -120°~120°
	Joint module	Planetary joint module
	Arm max payload	3kg
Electrical feature	Wiring method	Hollow wiring + inner wiring
	Joint encoder	Single, dual encoder
	Power supply	48V li battery
	Microphone	None
	Speaker	None
	WiFi6、bluetooth5.2	Available
	Humanoid camera	Available
Supporting facilities	Communication protocol	FDCAN
	Computing module	Optional NVIDIA Jetson Orin (40-100Tops)
	Smart battery	Available
	Charger	Available
	Handheld remote control	Available
	Smart OTA upgrading	None
	Remote control	Exoskeleton (optional)
Others	Secondary development	Provided
	Warranty	12 months

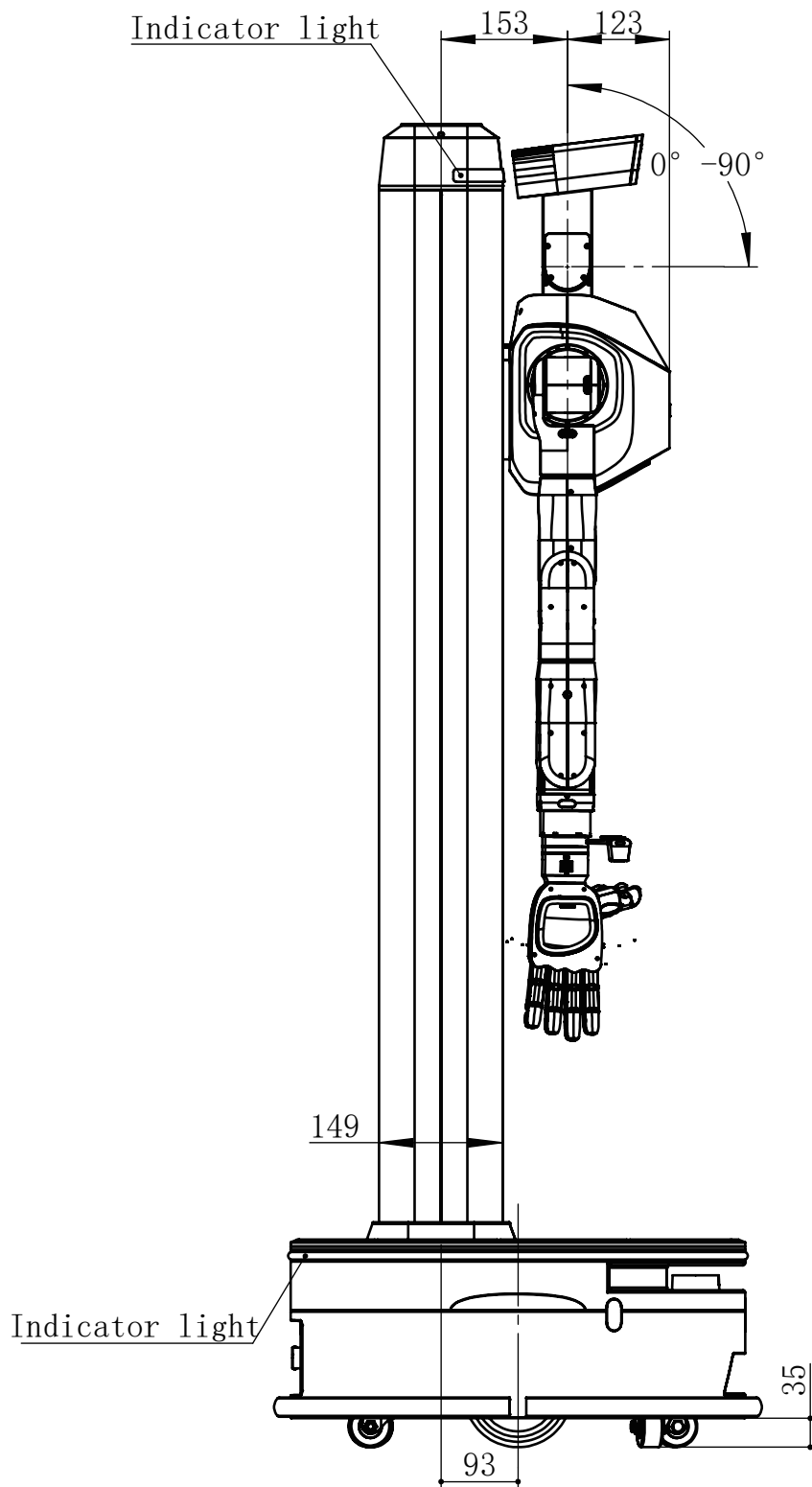




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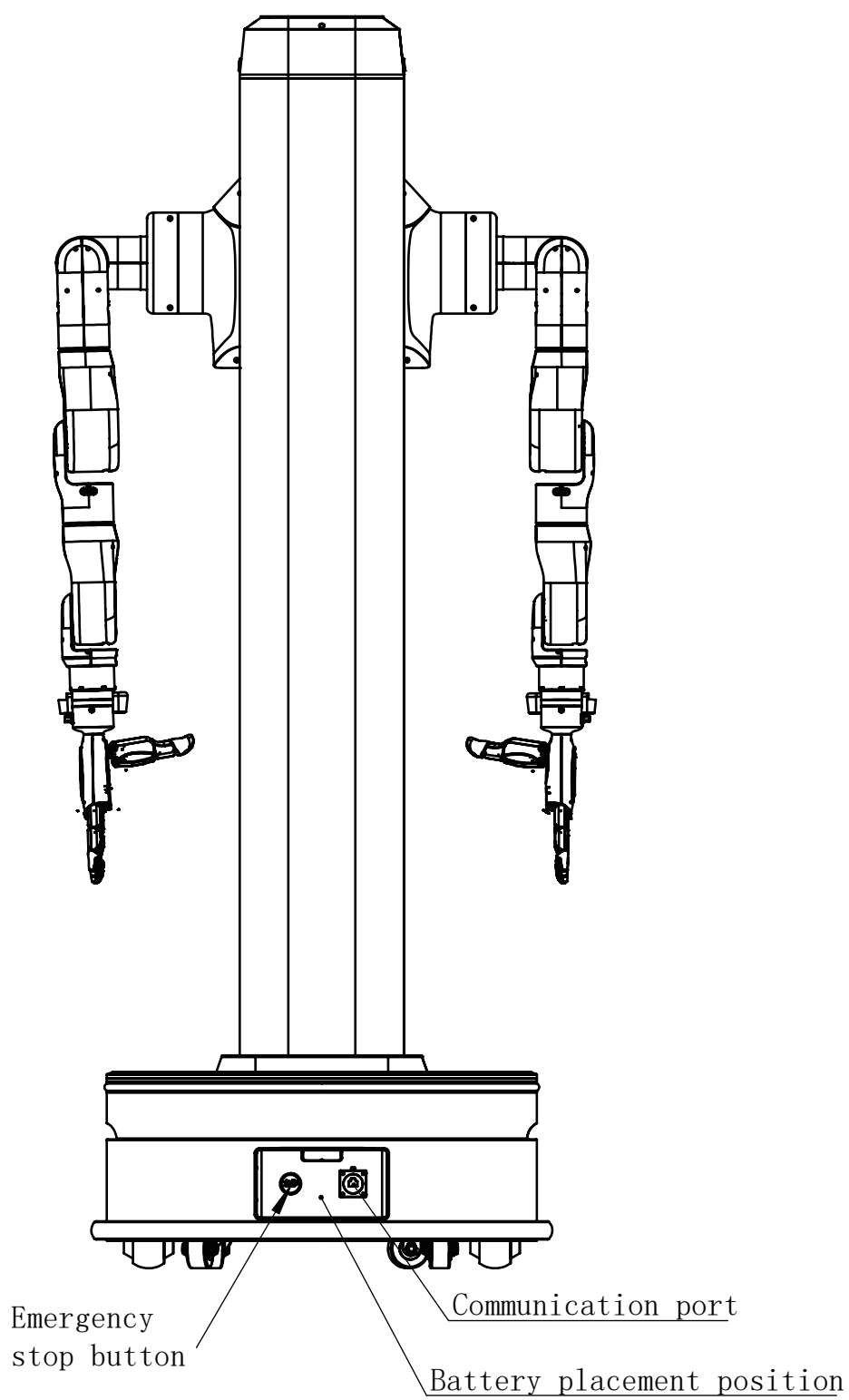
Size





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Size





成为新一代自动化行业的引领者

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