K1 Product Specifications

Type	Specification Parameters	Description
Basic Parameters	Height (when standing upright)	0.95m
	Weight	About 19.5kg
DoFs	Total DoFs	22
	Single Leg DoFs	6
	Single Arm DoFs	4
	Head DoFs	2
Operational Parameters	Walking Speed	0.5m/s
	Turning Speed	1.0rad/s
Battery Parameters	2Ah Battery Life	30min（0.4m/s）
	5Ah Battery Life	1h20min（0.4m/s）
	Charging Time	≤1h
	Cycle Life	≥500 times
Computing Platform	Processor	Jetson Orin NX 8GB, AI Performance 117TOPS
Sensors	Camera	Depth Camera
	Microphone	Microphone Array
	Speaker	1
Interaction interface	Buttons	interaction button*3
	Indicator Light	RGB LED*1
Safety Fuction	Auditory Alerts	Low Battery Alert, Joint Overheat Alert

Communication Methods	Wired connection	Gigabit Ethernet
	Wireless Connection	WIFI 6
	Bluetooth	Bluetooth 5.2
	Certification Standards	CE/FCC
Noise	Walking Noise	≤70dB
Environmental Adaptability	Environmental Adaptability	-10℃~45℃
	Operating Humidity	5%~90%, without condensation