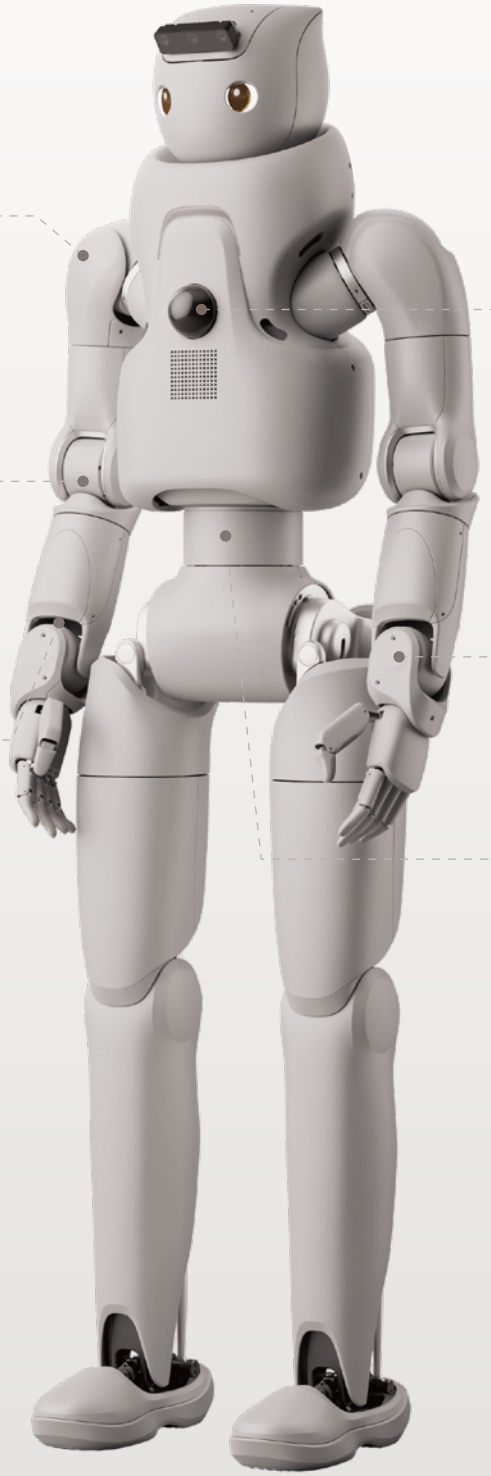
FOURIER

FOURIER GR-3C Ultra

Height
≈ 165cm

Weight
≈ 71kg

Total DOF
43



LiDAR
Real-Time Obstacle Avoidance

Single-Arm Payload
≈ 3kg

Battery Runtime
≈ 3h, Hot-Swappable Batteries

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Product Specifications

Basic Spec.	Dimensions	1642mm × 552mm × 292mm (H × L × W)		
	Weight	≈ 71kg	Leg Length (Shin + Thigh)	425mm + 408mm
	Arm Span	1395mm (Up to 1795mm with Dexterous Hands)		
Exterior Materials	Frame Construction	Aluminum Alloy + Engineering Plastics		
Joint Spec.	Total Degrees of Freedom	43 (Head: 2; Each Leg: 6; Waist: 3; Each Arm: 7; Each Hand: 6)		
	Peak Joint Torque	≈ 400N·m	Dual Encoders	Supported
	Communication Protocol	Ethernet		
Electrical Spec.	Nominal Voltage	46.8V	Rated Power	≈ 936W
Performance Spec.	Single-Arm Payload	≈ 3kg	Onboard Computing	High-Performance 8-Core CPU
Battery and Power Adapter	Battery Capacity	Dual Batteries: 702Wh + 234Wh	Battery Type	Lithium-Ion Battery
	Battery Weight	Dual Batteries: 3.8kg + 1.3kg	Nominal Battery Voltage	46.8V
	Charging Voltage Limit	54.6V	Battery Runtime	≈ 3h
	Charging Time	≈ 1.5h	Hot-Swappable	Supported
	Adapter Input	90–260V AC 50/60Hz	Adapter Output	54.6V DC 12A
Computing System	Operating System	Ubuntu 22.04	Processor	AMD Ryzen
Perception Sensors	Vision Camera	Stereo Depth Camera	IMU	6-Axis (Accelerometer + Gyroscope)
	Display	Yes, Color Display	Microphone	Optional
	LiDAR	Yes	Speaker	Yes
Interaction Capabilities	Teleoperation	Optional	Interactive Lighting	Yes

**Appearance and specifications are subject to the actual product.*