

BrainCo Dexterous Hand Revo 2 Specifications

Product Name	Product Figure		
BrainCo Revo 2 Dexterous Hand			
Parameters	Revo 2 Basic	Revo 2 Pro	Revo 2 Touch
Weight(without wrist)	383g		
Hand Length (from middle finger tip to palm base)	160mm		
Hand Width	76mm		
Materials	Aerospace-grade Aluminum Alloy & Food-grade Plastic		
Color	Space Black, Silver (Color Customization allowed)		
Degrees of Freedom (DoFs)	11		
Active Joints	6		
Power Grasp Force	≥ 50N		
Finger Pinch Force	≥ 15N		
Static Load	≥ 20kg		
Running Noise(50cm)	≤ 50dB		
Time to Open/Close	≤ 0.65s		
Repeat Accuracy	0.1°		

Voltage	9-28V	9-64V	9-64V
Standard Port	485 CANfd	485 CANfd EtherCAT	485 CANfd EtherCAT
MultiModal Tactile Perception	N/A	N/A	Pressure, Friction, Force Direction, Proximity
Tactile Sensor Specifications	N/A	N/A	Range: 0-20N Detectable Force: 0.1N (max0.05N) Force Resolution: 0.1N (max0.01N) Communication Frequency: >50Hz Proximity Distance: 0-1cm
Control Algorithm	Position,Speed,Current Control Adaptive ImpedanceControl Adaptive Compliance Control		+Adaptive Tactile Control
Intelligent Protection	Overcurrent Protection , Overvoltage Protection, High-temperature Protectoin , Impact Protection		
Secondary Programming	SDK supports Python/C , supports Linux/Windows/ROS system		
Upgrade	OTA		