UNITREE							
Parameter	**R1 Basic**	**R1 Edu Standard**	**R1 Edu Smart**	**R1 Edu Pro A**	**R1 Edu Pro B**	**R1 Edu Pro C**	**R1 Edu Pro D**
Picture							
Total Degrees of Freedom (DOF, Actuated)	24	24	26	40 (26+7+7)	40 (26+7+7)	38 (26+6+6)	38 (26+6+6)
Head DOF	/	/	2	2	2	2	2
Dexterous Hand	/	/	/	2 × Dex3 (without tactile)	2 × Dex3 (with 33 tactile sensor)	Revo 2, Basic	Revo 2, Touch
Hand DOF (per hand)	/	/	/	7	7	6	6
							
				https://www.unitree.com/Dex3-1		https://www.brainco.cn/#/product/Revo2	
Compute Module	/	40 TOPS	100 TOPS	100 TOPS	100 TOPS	100 TOPS	100 TOPS
SDK / Dev Support	No	Yes (High-level/Low-level interfaces, supports Issac Sim, etc.)					
Warranty	8 months	12 months	12 months	12 months	12 months	12 months	12 months
Max Payload (per arm)	2 kg	2 kg （Improving）					
Size (H×W×D, standing)	1210 × 357 × 190 mm						
Weight (with battery)	Approx. 25 kg						
Leg DOF (per leg)	6						
Arm DOF (per arm)	5						
Waist DOF	2						
Perception Sensors	Stereo camera + 4-mic array + speaker						
Wireless	Wi-Fi 6, Bluetooth 5.2						
Power	Lithium battery						
Endurance	Approx. 1 hour						
Wiring	Hollow + Internal wiring						
Joint Encoders	Dual + Single encoders						
Joint Bearings	Crossed roller + double-row ball						
Joint Motors	Low-inertia high-speed internal rotor Permanent Magnet SynchronousMotor (PMSM)						
Forearm + Upper Arm	435 mm						
Shank + Thigh	675 mm						
OTA	Supported						
Standard Packing List							
Standard Packing List	Robot × 1 battery × 1 charger × 1 joystick × 1	Robot × 1 battery × 1 charger × 1 joystick × 1 protection frame × 1					