

DOBOT Nova 2s Specifications



Product		Nova 2s
weight		11kg (24.3 lbs)
Max load		2kg (4.4 lbs)
Working radius		500mm (19.7 in)
Maximum working speed		1.3m/s (51.2 in/s)
Range of motion	J1	±360°
	J2	±150°
	J3	±150°
	J4	±152°
	J5	±360°
	J6	±360°
Maximum joint speed	J1	135°/s
	J2	135°/s
	J3	135°/s
	J4	135°/s
	J5	135°/s
	J6	135°/s
End IO	DI	2
	DO	2
	RS485	Support
Repeated Positioning accuracy		±0.05mm
IP rating		IP54
Noise		65dB(A)
Temperature range		0~50°C
Power consumption	Typical value	100W
	Maximum value	250W
Installation mode		Any angle
Cable length from robot body to electric cabinet		3 m (1.5 m optional)
Material		Aluminum alloy, acrylonitrile butadiene Styrene plastic



Product		SimBOX
Size		193*122*35mm (7.6*4.8*1.4 in)
Weight		0.8kg (1.8 lbs)
Inout power		30~60V DC
IO power		24V, Max 2A, Max 0.5A for each channel
IO interface	DI	8 (NPN or PNP)
	DO	8 (NPN or PNP)
Communication interface	Network interface	1, for TCP/IP and Modbus TCP communication
	USB	1, for connecting USB wireless module
Environment	Temperature	0~50°C
	Humidity	≤95%, non-condensation
IP rating		IP20
Cooling mode		Passive heat loss
Teaching mode		PC, APP (Android, iOS)