

NOVA 2 COLLABORATIVE ROBOT

Nova 2 has a compact design. 625 mm working radius and 2 kg payload combination is perfect for restaurant and retail automation. One Nova can handle 500 cups of coffee or 300 bowls of noodles a day. It is highly capable and cost efficient.

Weight		11 kg (24.3 lbs)
Maximum Payload		2 kg (4.4 lbs)
Working Radius		625 mm (24.6 in)
Maximum Speed of TCP		1.6 m/s (63 in/s)
Repeatability		±0.05 mm
Range of Motion	J1	± 360°
	J2	± 180°
	J3	± 156°
	J4	± 360°
	J5	± 360°
	J6	± 360°
Maximum Joint Speed	J1/J2/J3	135 ° /s
	J4/J5/J6	135 ° /s
End I/O	DI/DO	2 inputs
	RS485	Supported
Power Consumption	Typical	100W
	Maximum	250W
Noise		65 dB(A)
Temperature Range		0° to 50° C
Installation Orientation		Any angle
Cable Length from Robot to Controller		3 m (118.1 in)
Materials		Aluminum alloy, acrylonitrile butadiene Styrene plastic



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Dimensions		200 mm x 120 mm x 55 mm (7.9 in x 4.7 in x 2.2 in)
Weight		1.3 kg (2.9 lbs)
Input Power		30~60V DC
IO Power		24V, Max 2A, Max 0.5A for each channel
IO interface	DI	8 inputs (NPN or PNP)
	DO	8 inputs (NPN or PNP)
	AI	2 inputs, voltage mode, 0~10V
	AO	2 outputs, voltage mode, 0~10V
Remote Power On/Off		Supported
Communication Interface	Network Interface	2, for TCP/IP and Modbus TCP communication
	USB	2, for connecting USB wireless module
	485 Interface	1, for RS485 and Modbus RTU communication
Environment	Temperature	0° to 50° C
	Humidity	≤95%, non-condensation
IP Rating		IP20
Cooling Mode		Passive heat dissipation
Teaching Mode		PC, APP (Android, iOS)

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