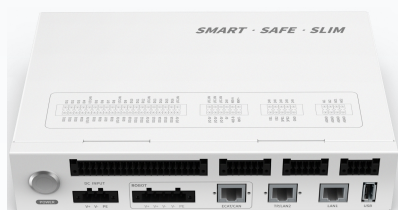


DOBOT Nova Series Product Specifications

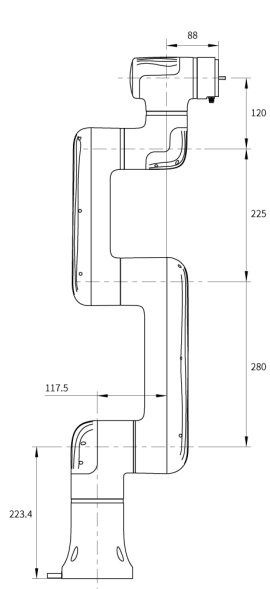


Product		Nova 2	Nova 5
Body weight		11 kg (24.3 lbs)	14 kg (30.9 lbs)
Rated load		2 kg (4.4 lbs)	5 kg (11 lbs)
Working radius		625 mm (24.6 in)	850 mm (33.5 in)
Maximum working speed		1.6 m/s (63 in/s)	2 m/s (78.7 in/s)
Range of motion	J1	±360°	±360°
	J2	±180°	±180°
	J3	±156°	±160°
	J4	±360°	±360°
	J5	±360°	±360°
	J6	±360°	±360°
Maximum joint speed	J1	135° /s	100° /s
	J2	135° /s	100° /s
	J3	135° /s	100° /s
	J4	135° /s	100° /s
	J5	135° /s	100° /s
	J6	135° /s	100° /s
End IO	DI	2 inputs	2 inputs
	DO	2 outputs	2 outputs
	RS485	Support	Support
Repeated Positioning accuracy		±0.05 mm	±0.05 mm
IP rating		IP54	IP54
Noise		65 dB (A)	70 dB (A)
Temperature range		0~50°C	0~50°C
Power consumption	Typical value	100 W	230 W
	Maximum value	250 W	770 W
Installation mode		Any angle	
Cable length from robot body to electric cabinet		3 m (118.1 in)	
Material		Aluminum alloy, acrylonitrile butadiene Styrene plastic	

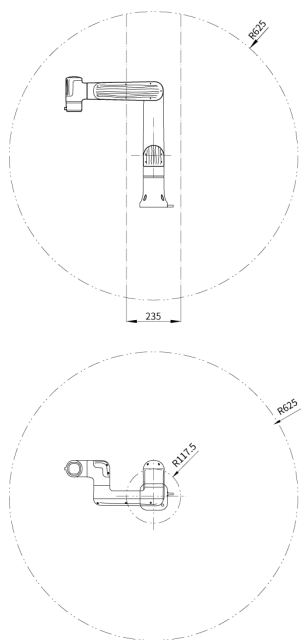


Product		DSC Controller
Size		220*150*45mm (8.7*5.9*1.8 in)
Weight		1.2kg (2.7 lbs)
Input power		30~60V DC
IO power		24V, Max 2A, Max 0.5A for each channel
IO interface	DI	16 inputs (NPN or PNP), shared with SI
	DO	16 outputs (NPN or PNP), shared with SO
	AI	2 inputs, Voltage / Current Mode, 0~10V, 4~20mA
	AO	2 outputs, Voltage / Current Mode, 0~10V, 4~20mA
Communication interface	Network interface	2, for TCP/IP and Modbus TCP communication
	USB	1, for connecting USB wireless module
	485 interface	1, for RS485 and Modbus RTU communication
Environment	Temperature	0~50°C
	Humidity	≤95%, non-condensation
Remote power on/off		Support
IP rating		IP20
Cooling mode		Fan Cooling
Teaching mode		PC, APP (Android, iOS), Teach Pendant

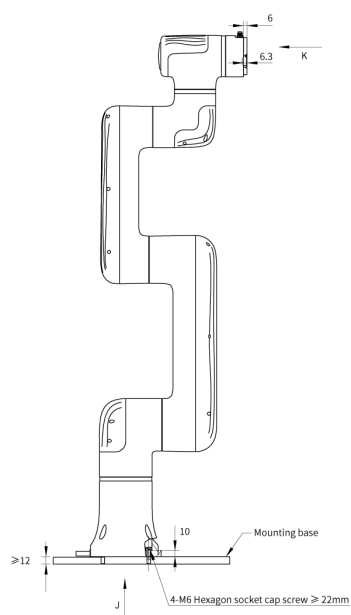
Nova 2



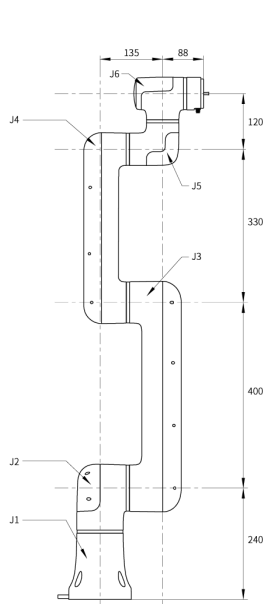
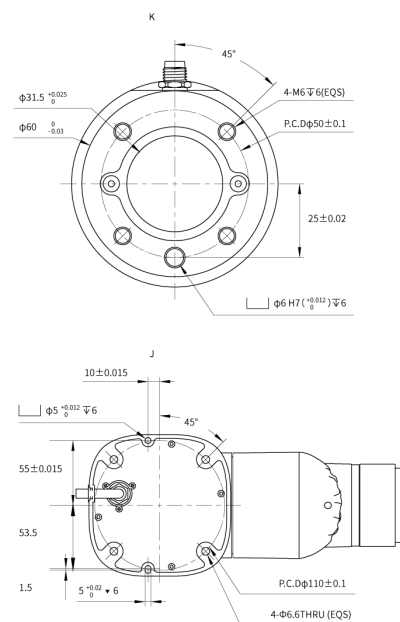
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Overall dimension diagram



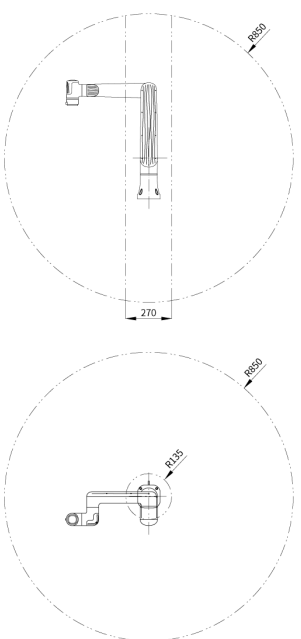
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Motion range diagram



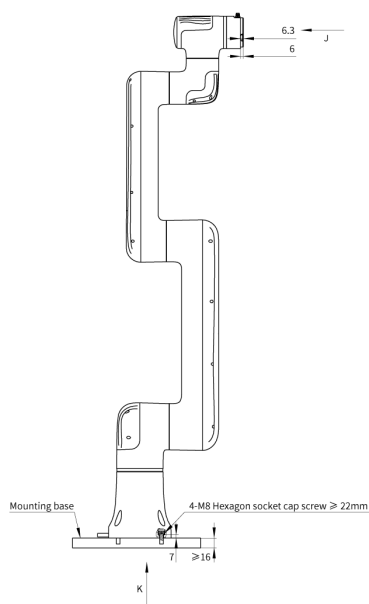
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Mounting hole diagram



▲
Overall dimension diagram



▲
Motion range diagram



▲
Mounting hole diagram

