

Ned3 Pro Technical specifications

6-axis desktop robot arm

Weight:	7,4 kg / 16,3 lbs		
Payload:	500 g / 1,1 lbs (z = 20mm TCP)		
Reach:	500 mm / 19,68 In		
Joint ranges:	Joint 1 340° Joint 2 125° Joint 3 160° Joint 4 240° Joint 5 220° Joint 6 360°		
Speed:	Joint 1 : 140°/s Joint 2 : 60°/s Joint 3 : 85°/s Tool : 180°/s	Joint 4 : 230°/s Joint 5 : 190°/s Joint 6 : 290°/s	
Repeatability ISO 9283:	+/- 0.3 mm / +/- 0,011 In		
Footprint:	200 mm x 200 mm / 7,87 x 7,87 In		
Degrees of freedom:	6 rotating joints		
I/O ports:		Back panel	Tool
	Digital in	4	1
	Digital out	3	1
	Analog in	2	-
	Analog out	2	-
	Add-on interface	2	-
	Gripper interface	-	1
	Actuator interface	1	-
I/O power supply:		Back panel	Tool
	5 V / 7A	5	2
	12 V / 7A	2	-
Communication:	TCP/IP 2.4 GHz and 5.0 GHz IEEE 802.11ac wireless, Bluetooth 5.0, BLE Gigabit Ethernet & Modbus TCP / 2 ports USB 2.0 & 2 ports USB 3.0		
Programming:	NiryoStudio on (windows/mac/linux) / Niryo API / ROS		
Noise:	Less than 70dB		
Power consumption:	Maximum power consumption in standard use 30 W Average consumption in standard use 20 W		
Power supply:	AC 100-240 V / 50-60 Hz / 2,5 A		
Câblage:	Cable between robot and ARU (1,5 m) Cable between robot and power bloc (1,5 m)		
Temperature:	The robot can work in a temperature range of 5-45°C		
Materials:	Aluminum, ABS plastic, Steel		



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