



NIRYO

HUMAN - MOTION - ROBOT

TECHNICAL SPECIFICATIONS

NIRYO ONE

6-AXIS ROBOT ARM

Weight	3.2 kg
Payload	max 0.3 kg
Reach	440 mm
Base joint range	+/- 175 °
Repeatability	+/- 1 mm*
Power Supply	11.1 Volts / 6A
Communication	Ethernet WIFI: 2.4 GHz Range 802.11n Bluetooth 4.1: 2,4 GHz ; 2,5 mW (4 dBm) USB
Interface/Programming	Windows/MacOS/Linux (desktop application), Gamepad, APIs
Power consumption	~ 60 W
Materials	Aluminium, PLA (3D printing)
Ports	1 Ethernet + 4 USB
Hardware	Raspberry pi 3 + 3 x NiryoSteppers + 2 x Dynamixel XL – 430 + 1 x Dynamixel XL – 320
Collision detection sensor	Magnetic sensor (motor)

*Niryo One is a robot primarily made for educational purposes, and testing of small assembly lines. We do not guarantee any precision and robustness over time for your application.

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