

INTRODUCING THE KINOVA GEN3 LITE ROBOT



The new standard in compact and affordable professional robots

The newest member in the Kinova ultra lightweight robots series, Gen3 lite offers a more accessible option if you're looking for professional-grade robots to perform light manipulation tasks.

Adaptable for all levels of expertise

The KINOVA® KORTX™ open API software makes it easy to control your robot and run your programs and applications on multiple Gen3 lite and Gen 3 robots.

Less is more with Gen3 lite

A smaller and simpler version of the Kinova Gen3, Gen3 lite still offers many of the powerful and robust capabilities you expect in a professional manipulator robot such as:

- › Efficient, transparent actuators with embedded controller
- › High-level and low-level control
- › 1 kHz low-level, closed-loop control
- › Plug and play

Plus, Gen 3 lite offers Kinova's excellent, reliable services and support.



PLUG &
PLAY

ULTRA
LIGHTWEIGHT

SAFE & USER
FRIENDLY

PORTABLE

POWER
EFFICIENT

Kinova Gen3 lite

Technical Specifications

GENERAL

Weight	5.4 kg
Payload	500 g
Maximum reach	760 mm
Degrees of freedom	6
Maximum Cartesian translation speed	25 cm/s
Actuator joint range	+/- 155 to 160°
Power supply voltage	18 to 30 VDC, 24 VDC nominal
Average power	20 W
Ingress Protection	IP22
Operating temperature	0 °C to 40 °C
Sensors	Position, current, voltage, temperature, accelerometer and gyroscope

INTERFACES

Software	KINOVA® KORTEX™
Internal communications	1 x 100 Mbps Ethernet
API compatibility	Window 10, Linux Ubuntu 18.04, ROS Melodic
Programming languages	C++, Python
Basic interfaces	USB-A, micro USB, Ethernet, Wi-Fi
Control system frequency	1 kHz
Low-level control	Position, velocity, current
High-level control	Cartesian position/velocity, joint position/velocity

* Specifications have not been validated and are subject to change.

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