

KINOVA® GEN3 LITE TOGETHER IN ROBOTICS

THE NEW STANDARD IN COMPACT AND AFFORDABLE PROFESSIONAL
AND EDUCATIONAL ROBOTS

Part of the Kinova ultra lightweight robots series? Gen3 lite offers a more accessible robot perfectly suited for professional, academic and educational needs.

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, smart actuators with embedded controller
- › High-level and low-level control
- › 1 kHz low-level, closed-loop control
- › Plug and play
- › 6 degrees-of-freedom

Adaptable for all levels of expertise

From a code-less graphical programming interface to advanced low-level programming features, the Kinova® Kortex™ API offers a programming experience that suits your needs.

Curriculums available for Universities and Technical Schools.

Count on Kinova for first-rate service and support, plus access to the resources of the Kinova Academy.



PLUG & PLAY

ULTRA
LIGHTWEIGHT

SAFE & USER
FRIENDLY

PORTABLE

POWER EFFICIENT

AFFORDABLE

TECHNICAL SPECIFICATIONS

GENERAL

Degrees of freedom	6
Weight	5.4 kg
Payload	500 g
Maximum reach	760 mm
Maximum Cartesian translation speed	25 cm/s
Actuator joint range	+/- 155 to 160°
Power supply voltage	21 V to 30 V, 24 VDC nominal
Average power	20 W
Ingress Protection rating	IP22
Operating temperature	0 °C to 40 °C
Sensors	Position, current, voltage, temperature

INTERFACES

Software	Kinova® Kortex™
Internal communications	1 x 100 Mbps Ethernet
API compatibility	Window 10, Linux Ubuntu, ROS Noetic, ROS 2 Humble
Programming languages	C++, Python, MATLAB
Basic interfaces	USB-A, micro USB, Ethernet, Wi-Fi
Control system frequency	1 kHz
Low-level control	Position, velocity, motor current
High-level control	Cartesian position/velocity, joint position/velocity

Contact us to request a demo

