

Licensing Options

		Essentials	Integration	Autonomous	Robotics	Complete
Prototyping	Seamless integration with Simulink® including external mode, parameter tuning, signal monitoring, data logging	•	•	•	•	•
	Deterministic performance including multithreading (multi-rate) and asynchronous threads	•	•	•	•	•
	Simple hardware interfacing through Quanser Hardware-In-the-Loop (HIL) API and blocks	•	•	•	•	•
	Host device support including joystick, mouse, and keyboard	•	•	•	•	•
	Rapid control prototyping utility libraries	•	•	•	•	•
	Expandable with MATLAB®/Simulink® toolboxes	•	•	•	•	•
	Support for Quanser Interactive Labs (QLabs) platform	•	•	•	•	•
Communications	Synchronous/asynchronous and blocking/non-blocking communications		•	•	•	•
	Persistent stream connectivity		•	•	•	•
	Network protocols including TCP and UDP		•	•	•	•
	Hardware protocols including serial, SPI, I ² C		•	•	•	•
Advanced Applications	Dynamic reconfiguration capabilities			•	•	•
	Image processing and video compression/display capabilities			•	•	•
	Access to localization camera data from NaturalPoint® OptiTrack and Vicon®			•		•
	Automated cross-compilation and deployment to the QBot 2e, QBot 3, QCar and QDrone			•		•
	Library of application primitives for autonomous vehicles			•		•
	Access to the Quanser QArm and Joint Control Robots, KUKA robots and haptic devices				•	•
	Interface with the 3D Systems Phantom® and Force Dimension haptic devices				•	•
	Library of application primitives for robotics				•	•

©2022 Quanser Inc. All rights reserved.