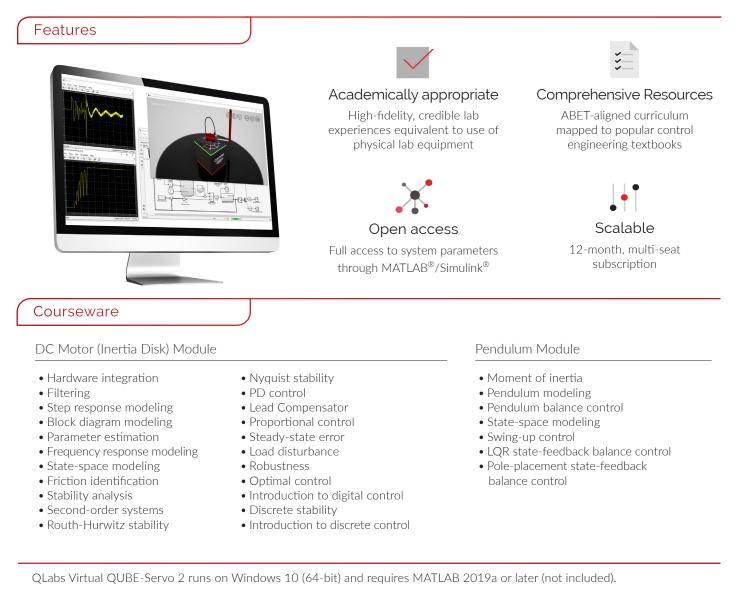


QLABS VIRTUAL QUBE-SERVO 2

Virtual platform for distance and blended undergraduate control systems courses

QLabs Virtual QUBE-Servo 2 is a fully instrumented, dynamically accurate virtual twin of a classic QUBE-Servo 2 system. It behaves in the same way as the physical hardware and can be measured and controlled using MATLAB[®]/Simulink[®] and other development environments. QLabs Virtual QUBE-Servo 2 can enrich your lectures and activities in traditional labs, or bring credible, authentic model-based lab experiences into your distance and online control systems course.

Same as the physical QUBE-Servo 2, the virtual system features a DC motor with the inertia disk and inverted pendulum modules. Rotary encoders measure the angular position of the DC motor and pendulum. The motor angular velocity is measured through a software-based tachometer.



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