

For Sale used Fidelity flight simulator

Motus Citation 500 / 550

\$250,000 or best offer

Replacement value new is 1.2M

**FAA Advanced Training Device Approved
Insurance Approved for initial and recurrent training**



General Description

A six-axis, full-motion base accurately and precisely simulates physical sensations, aiding in the 'total immersion' effect necessary for effective flight training.

LCD Mosaic Wall External Visual Display has a panoramic high-resolution external display with a worldwide airport and topographical database.

Laminar Research flight modeling - One of the most important elements in type-specific flight training is the quality and flexibility of the aerodynamic model. Only our advanced aviation training device was designed using the Laminar Research PlaneMaker aerodynamic design tool, a "Virtual Wind Tunnel" that assures our device will be able to achieve the proper flight dynamics.

The 6 degree-of-freedom all-electric motion base offers exceptional acceleration in pitch, roll, yaw, heave, surge, and sway axes. The design of the motion base maximizes ease-of-maintenance, avoiding the "rags and bags" typical of expensive hydraulic units...

Fidelity's patented motion base interface ensures the motion cueing accurately replicates the sensations experienced in real flight.

Aviation insurance underwriters have advocated full motion flight simulation for years, and Fidelity has now made it affordable for any training application.

All MOTUS flight simulation devices feature Fidelity's panoramic LCD Mosaic Wall external display, offering a high resolution outside view that dramatically adds to the authenticity of the flight environment. Also included is a worldwide airport, navaid, and topographical database that is fully configurable, allowing users to edit topography, add visual objects, and customize the display in ways that add value to the training experience. The Fidelity LCD Mosaic Wall is quickly being adopted as the standard for high quality, affordable external displays.

Fidelity features X-Plane flight simulation software in all of its simulators. X-Plane offers the MOTUS simulator exceptional flexibility, allowing easy modification to the aerodynamic model to meet regulatory or customer requirements. This engineering flexibility is as applicable to helicopter simulation development as it is for fixed wing. Whatever the aircraft, X-Plane aerodynamic modeling capability ensures the MOTUS flight simulation device meets all necessary standards.

MOTUS simulators also include the Fidelity IFR training environment, permitting flight in an almost infinite variety of ceilings, visibilities, precipitation, turbulence, and wind shear, and with Fidelity's 6-axis motion base, turbulence and wind shear are more than theoretical weather conditions—pilots will be task loaded in a manner not possible in static flight training devices.