

FAA Level-D King Air 350 Simulator

Manufactured by Opinicus/Textron and placed into service in November 2014, FlyRight's King Air 350i simulator augments our world-class King Air training programs. Equipped with RockwellCollins ProLine21 avionics and a 200 degree daylight visual system, this state-of-the-art simulator will impress the most demanding operators.



Simulator Specifications:

Component	Provider/ Manufacturer	Description
Cockpit structure	Beechcraft	Actual King Air cockpit (entire aircraft nose section). Panels supplied by Beechcraft including headliner, overhead panels, subpanels, circuit breaker panels, pedestal, quadrant, etc.
Host System	Opinicus/Textron	PCI, LINUX based, POSIX compliant OS. 120Hz real-time capable with minimum 50% spare capacity
Aircraft Data Package	Rockwell Collins	BE30 Level-D (Part-60) data package from Rockwell Collins. Includes aero and engine data and modeling prepared by Opinicus Cop and Rocwell Collins..
Motion System Hydraulic System Motion Controller	FlightSafety Opinicus	36" Excursion FlightSafety actuators. Dual 60 HP FSI HPU. RealCue Digital Controller
Visual System	Redifun (RSI)	Front Projection display with three-channel 200 degree x 40 degree Field of Field of Vue. LED projectors and full-daylight capability. Raster XT4 Image Generators with "Anywhere" airport capability.x 2 image.
Control Loading	Opinicus/Textron	RealFeel Digital., including throttles (for simulated linkage failure).
Avionics & Instruments	Rockwell Collins SimTek	Rockwell Collins ProLine21 simulated avionics suite, including IFIS and FMS 3000. Analog gauges (flaps, fuel, etc) provided by SimTek and FlightSafety Simulation
Sound System	SimPhonics	SMX Digital Sound
Instructor Operating Station	Opinicus/Textron	Dual 21-inch touch-screen. Complete malfunctions, repositioning, and host controls. Windshear modules as well as all FAA-required Level-D simulations (icy runway, etc.).