Flight Ready Intelligent Solutions™

NEXIS™
Flight-Intelligence System

NexGen Electronic Flight Bag Solutions that Offer Certified and Uncertified Applications With Own-Ship Position

– Flexible user interface and advanced LED technology to provide optimum flight-deck visibility in portrait or landscape orientations

– Touchscreen and virtual keyboard functionality that can be configured with or without bezel function keys

– New low-profile, built-in bumpers and recessed D-sub connector to accommodate tight-fit window mounting

Charting Applications
With Own-Ship Position

Airport Moving Map
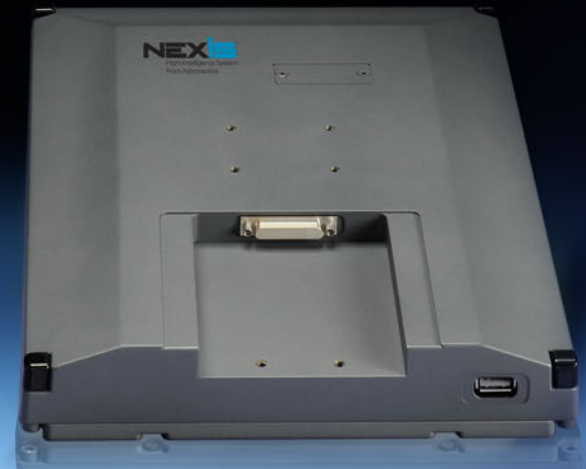
NexGen Today™

With over 50 years of developing avionics systems for military, defense, and commercial aviation, Astronautics is making the difference with the **NEXIS**™ Flight-Intelligence System — a turnkey, state-of-the-art EFB hardware and software product solution in one package.

NEXIS™ EFB solutions feature Federal Aviation Administration (FAA) certified hardware and software and offer seamless integration of end-user selected applications. In addition, **NEXIS** EFB solutions provide a scalable system architecture that enables enhanced functionality as existing situational awareness applications expand and new applications are developed. Leveraging Astronautics' Cockpit Display of Traffic Information (CDTI) for the display of Moving Maps, **NEXIS** EFB solutions support certified software applications that integrate Automatic Dependent Surveillance-Broadcast (ADS-B) enhanced surveillance technology to support next generation precise position of own-ship and surrounding traffic.

Based on our proven track record of providing high-quality, reliable products, the Astronautics **NEXIS** Flight-Intelligence System gives our customers the competitive edge they need in today's global market.

Astronautics' NEXIS™ EFB Solutions Provide:

• Class 2 and Class 3 EFB products fully aligned with FAA next generation capabilities that maximize cockpit crew and aircraft productivity.

• Astronautics offers certified applications such as In-Trail Procedures, Merging and Spacing, Enroute Moving Maps and Runway Awareness Detection that dramatically improve cockpit crew situational awareness and flight safety.

• A link to the global Communication Navigation Surveillance/Air Traffic Management (CNS/ATM) system using ADS-B.

• End-user flexibility to configure hardware and software products with specific situational awareness applications.

Astronautics
Corporation of America

Full EFB Application Support

Astronautics' **NEXIS**™ Flight-Intelligence System provides enhanced aircraft connectivity through an open architecture that enables end-users to select from a comprehensive suite of situational awareness applications, tailoring the system to their EFB needs.

Satellite Communications

Terminal Charts

Flight Operations Manuals (FOMs)
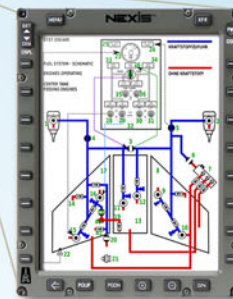
A global leader in Type C certified applications, Astronautics offers SafeRoute™ applications with own-ship position.

Airport Moving Map | In-Trail Procedures | Merging & Spacing

Own-Ship Position, Weather & Aeronautical Data

Cabin Video Surveillance

Ground Communications

NEXIS™ EFB Solutions in Either a Class 2 or Class 3 Configuration:

Display	LED with Wide Dimming Range / Avionics Grade Glass with a Glass-on-Glass Touchscreen
Display Resolution	XGA 1024 x 768 pixels
Display Viewing Angle	80° Viewing Cone
Operating System	Windows / Certified Linux Operating System, DO178 Level C
Processor Speed	2 GHz Intel® Core™ i7 Processor and 4GB DDR3 1066 MHz Memory
Storage Type	Solid State Drive - 64GB Micro SATA 1.8" Application Driver and 8GB iSATA Drive for OS
Physical Dimensions	Display Unit 8"W x 10.3"H x 1.55"D / Electronic Unit 12.52"L x 7.62"H x 3.56"W (3 MCU)
Weight	Display Unit ~4.5 lbs. / Electronic Unit 14.4 lbs.
Power	Aircraft 28 VDC with Conditioned Power to the Display Unit (No Internal Battery Required)
Interfaces	8 ARINC-429 Receive Channels, 4 ARINC-429 Transmit Channels, 1 ARINC-717 Receive Channel, 16 Discrete Inputs, 5 Discrete Outputs, 4 Full Duplex Ethernet Channels (10/100 BASE-T) per IEEE 802.3, 1 RS-422 Channel, Cross Video over DVI Interface, 1 USB Port on Display Unit, 2 - 2.0 USB Ports on Electronic Unit, ARINC 840/834 Compliant, Supports External Battery and Keyboard
Controls	Touchscreen / Virtual Keyboard / Bezel Keys — Power, Brightness Controls, Video Transfer and Main Menu

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