



The **NEXIS™ HELO** is built for commercial, medium and heavy lift IFR-capable rotorcraft. It expands the capabilities of the NEXIS system with additional software to improve situational awareness and flight safety. It streamlines operations and supports operating in next generation airspace. The NEXIS HELO consists of a server system and an optional certified multi-function display. Additionally, Astronautics provides a Software Development Kit (SDK) that allows operators to create their own software applications, expanding the system's capabilities.

THE HELICOPTER SOLUTION THAT PROVIDES

- ✓ Integrated HTAWS
- ✓ NextGen Today
- ✓ Greater Connectivity
- ✓ FDM/Data Storage and Transfer
- ✓ Privacy and Security
- ✓ Growth Path for the Future
- ✓ Certified Installations
- ✓ Multiple Applications

APPLICATIONS INCLUDE



Cockpit Display of
Traffic Information



Enroute Moving Map



HTAWS



Health Monitoring
M/FOQA Recording



Electronic Documents,
Charts, & Manuals

FEATURES & BENEFITS



Integrated

HTAWS



**Paperless Cockpit
Reduces Weight &
Improves Efficiency**



PED

Connectivity



**Protected Gateway
Functionality**

**Reduces Risk of
Unauthorized Aircraft
Network Access**



**DO-160F / DO-254 &
DO-178B Up to Lvl C**

Certified Hardware



**CDTI Using
ADS-B In**

NextGen Capability

NEXIS HELO CHARACTERISTICS

PHYSICAL DIMENSIONS	3 MCU chassis: 12.52”L x 7.62”H x 3.56”W (318mm x 193.5mm x 90.4mm)
PROCESSOR SPEED	2.0 GHz Intel i7 processor with 4 GB DDR3 1066 memory
STORAGE TYPE	Solid State Drives including 8Gb iSATA drive for OS boot drive and a 128Gb Micro SATA 1.8” application driver
OPERATING SYSTEM	Certified Linux OS
POWER	Powered on aircraft 28VDC Conditioned power can be supplied to a tablet device via sidewall-installed USB port Conditioned power also supplied by the Server to a certified Display Unit (if applicable)
INTERFACES	8 ARINC 429 Receive Channels 4 ARINC 429 Transmit Channels 16 Discrete Inputs 5 Discrete Outputs 1 ARINC 717 Recieve Channel 4 Ethernet Channels (10/100 BASE-T) full duplex compatible with IEEE 802.3 1 RS 422 Channel 2 USB 2.0 ports 1 General USB 2.0 port on the front of the Server Unit ARINC 840/834 compliant, supports external battery and keyboard