

**GENESYS AVIONICS SUITE™**  
FLIGHT DECK UPGRADE SYSTEM  
FOR LOCKHEED C-130 AIRCRAFT

Precise Performance.  
Proven Experience.  
Personalized Attention.



# COMPLETE FLIGHT DECK UPGRADE FOR LOCKHEED C-130 AIRCRAFT

The Genesys Avionics Suite™ provides renewed operational life and increased mission effectiveness through a complete and comprehensive cockpit system upgrade customized to the unique operational needs of existing C-130 aircraft.

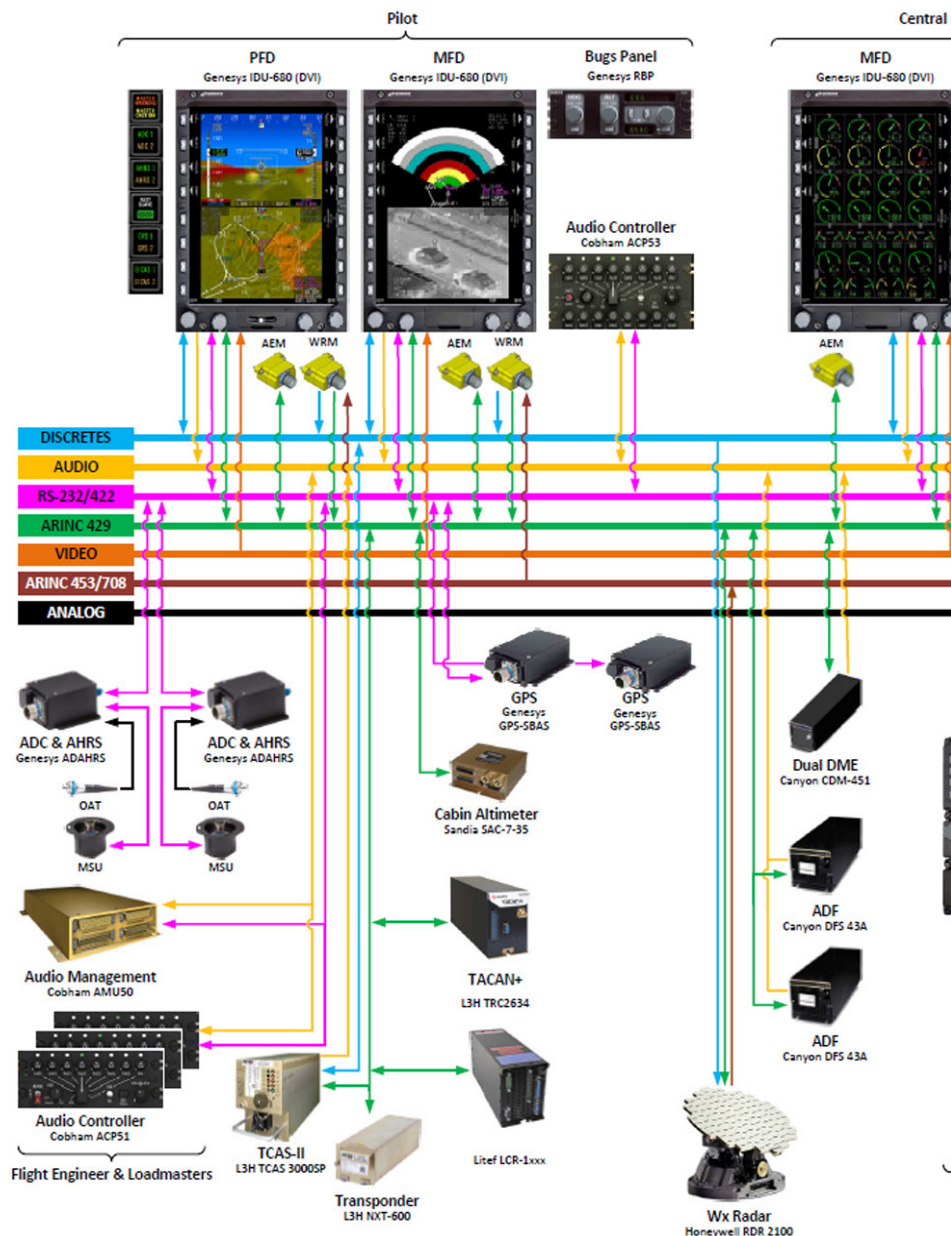
The Genesys Avionics Suite™ provides a future-forward technology architecture with future-proof upgradability. This allows the aircraft to be upgraded as new features and technologies are fielded in the future to keep the C-130 modernized and mission effective. The Genesys Avionics Suite™ provides more capabilities and greater performance at a fraction of the cost.

## SYSTEM COMPONENTS

- EFIS Displays
- Autopilot
- NAV/COMM Radios
- Electronic Flight Bags
- Transponders
- Sensors & Antennas
- Audio Management
- Control Panels
- Switches & Indicators
- GPS & ADAHRS

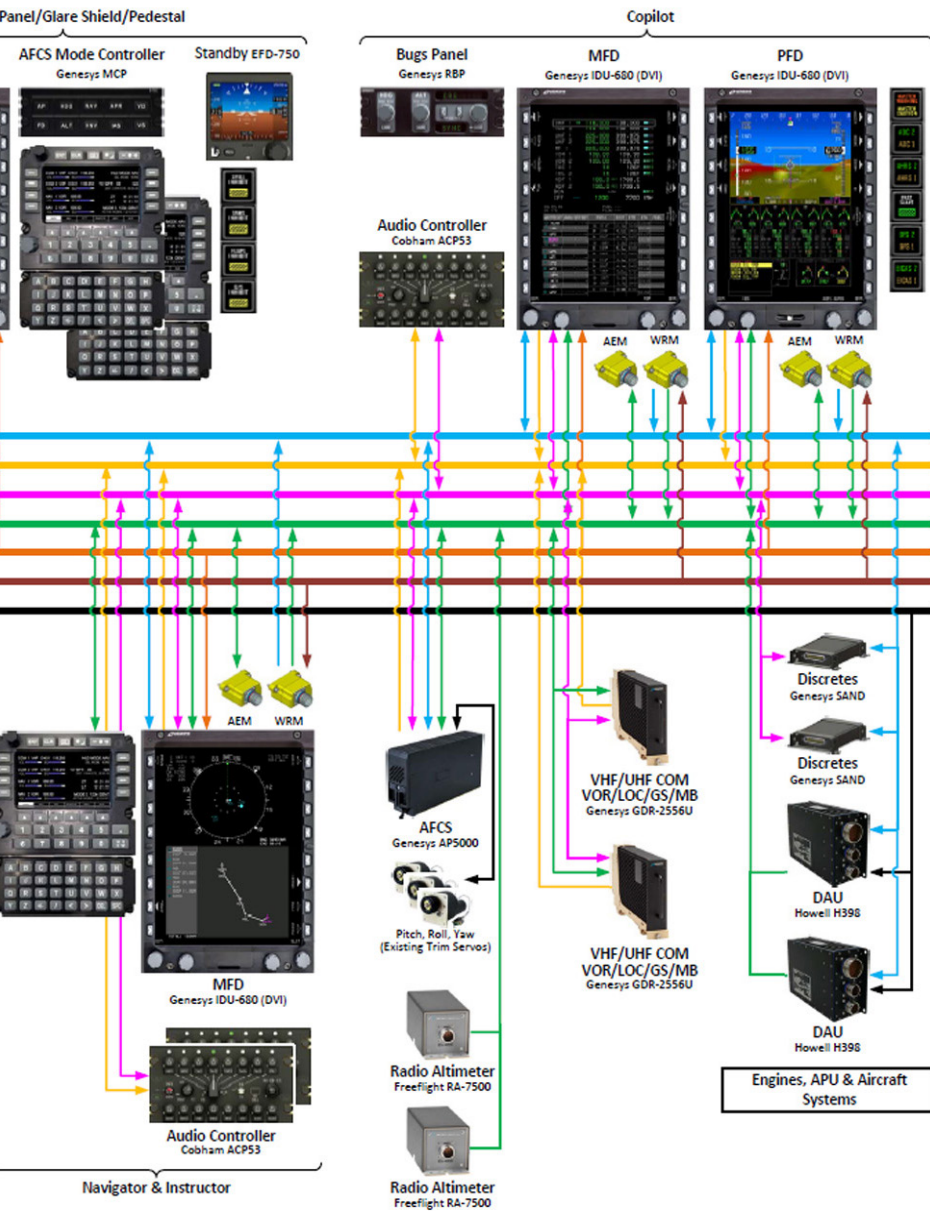


**GENESYS**  
AEROSYSTEMS  
A World of Capabilities



Features of the Genesys Avionics Suite include:

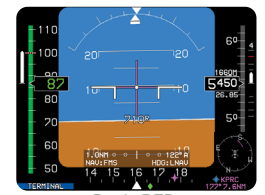
- PFD and MFD EFIS digital cockpit display suite
- Synthetic Vision and Highway-In-The-Sky flight navigation symbology
- TAWS terrain warning & alerting
- Full EICAS display capability
- Integrated Genesys UHF/VHF digital Nav/Comm radio package
- Fixed-wing S-TEC Autopilot
- Integrated voice warning master caution system
- Mil-Std qualified
- NVG compatible



## OPS FEATURES



PFD with SVS & HITS



Basic PFD



EHSI



Customizable Synoptics



Moving Map/Terrain/Obstructs



Datalink Weather, FIS-B



EICAS



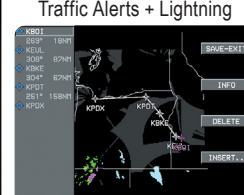
Selectable Video Inputs



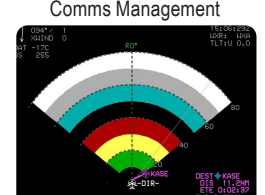
Traffic Alerts + Lightning



Comms Management



Graphical Flight Planner



Radar

# Genesys Avionics Suite™ Components

## EFIS - Primary & Multi-Function Flight Displays



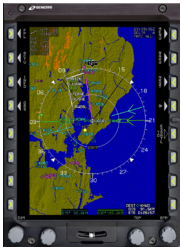
Genesys' IDU EFIS suites feature a variety of PFD and MFD formats that can be configured to show flight instruments, moving map, HSI, flight planner, traffic, terrain, weather radar, datalink, video, radio/audio management, and engine displays.

## Fixed-Wing Autopilots

S-TEC fixed-wing autopilots are full-featured, attitude-based digital flight control systems that provide dramatic workload reduction and safety enhancements making flying safer and more enjoyable.



## FMS - Flight Management System



Genesys' IDU EFIS suites feature a built-in Flight Management System for improved mission effectiveness, enhanced safety, and workload management.

## Electronic Flight Bags

Optional electronic flight bags (EFB) provide increased mission planning and execution effectiveness. EFB's provide off-the-shelf ready solutions for tactical air drop planning (HARP/CARP) and other planning benefits.



## EICAS - Engine Indication & Crew Alerting System



Genesys' patented OASIS (Open Architecture System Integration Symbology) software allows easy customization and display of engine information and CAS messages.

## Radios - Navigation & Communication

The Genesys Digital Radio (GDR) is a family of remote-mount, software-definable radios combining VOR/localizer/glideslope and marker beacon navigation and VHF communication with a UHF communication option in a single box.



## TAWS - Fixed Wing & Rotary Wing



Genesys' IDU EFIS suites feature all classes of fixed wing and helicopter TAWS (Terrain Awareness and Warning System) for enhanced safety and workload management.

## Interfaces

System interfaces are key to the open-architecture design to help dramatically reduce integration costs and schedules. The Genesys Avionics Suite includes all necessary interfaces to get the aircraft up and flying.



## SVS - Synthetic Vision & Highway-In-The-Sky



Genesys' 3D Synthetic Vision and Highway-In-The-Sky flight navigation enhances safety and reduces pilot workload plus provides precision aircraft operations including RNP and LPV approaches.

## Sensors

Sensors provide key aircraft system inputs to help increase aircraft operational performance and reduce integration costs and schedules. The Genesys CN-235 avionics suite includes all necessary sensors to get the aircraft up and flying.



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