



GENESYS AVIONICS SUITE™

AIRBUS H125 AIRCRAFT SINGLE ENGINE/SINGLE PILOT
IFR FLIGHT DECK SOLUTION



Moog's Genesys Avionics Suite™ designed for the Airbus H125 helicopter enhances the capabilities of this Airbus Helicopter workhorse platform. The solution features two IDU-680 displays in a PFD/MFD format, dual redundant ADAHRS, Dual GPS/FMS, dual Genesys GDR digital Nav/Comm radios, and IFR certified Genesys rotary-wing autopilot with Stability Augmentation System (SAS).

The Genesys Avionics Suite™ provides increased operational effectiveness through a complete, comprehensive, and affordable cockpit system certified for single pilot, single engine, IFR operations. The Level A certified IDU-680 EFIS

utilizes ADAHRS and GPS SBAS data for precision aircraft operations including RNP and LPV approaches. The system also integrates with select radios and weather radar and offers expansion ports supporting a path for future growth.

FEATURES OF THE GENESYS AIRBUS H125 AVIONICS SUITE INCLUDE:

- EFIS Glass Upgrade – Customizable Primary and Multi-Function Flight Displays
- FMS - Flight Management
- SVS - Synthetic Vision System
- HITS - Highway-In-The-Sky flight symbology
- HTAWS – Helicopter Terrain Awareness & Warning System
- IFR Helicopter Autopilot
- Radios – VHF Navigation and Communication aircraft radio
- Sensors – Includes all necessary sensors to enable single engine IFR operations

MODERN FLIGHT DECK FOR TODAY'S AND TOMORROW'S MISSIONS



GLASS EFIS: IDU-680 DISPLAYS

Lightest, most comprehensive, integrated Electronic Flight Instrument System enhances safety, reduces pilot workload, and increases mission flexibility.

Features include:

- Redundant ADAHRS attitude source (replaces legacy attitude sensors)
- Redundant GPS/SBAS receivers
- Dual NAV/COMM radios
- Integrated radio/audio management
- Mode S ADS-B compliant transponder
- Weather radar control and display
- Built-in support/interfaces for FLIR, Satcom, DF, HF, UHF, TACAN, Datalink, SELCAL, tactical radios, etc.



AUTOPILOT WITH SAS

Delivers safety and workload reduction benefits with fully coupled IFR approved autopilot and stability augmentation in a compact lightweight package.

Features include:

- Lightweight, weighs less than 30 pounds (14 kg)
- Dramatically reduced pilot workload
- Safer, more confident command, even under demanding conditions
- Autopilot fully-coupled to FMS, GPS, and navigation radios
- Designed for three-axis (pitch, roll and yaw) autopilot configuration for IFR use.



NAV/COMM RADIO - GDR

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.

GDR lowers weight, increases reliability, reduces cost, and increases mission readiness.



MOOG | Shaping the way our world moves™

+1.817.215.7600
Genesys-Aerosystems.com



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