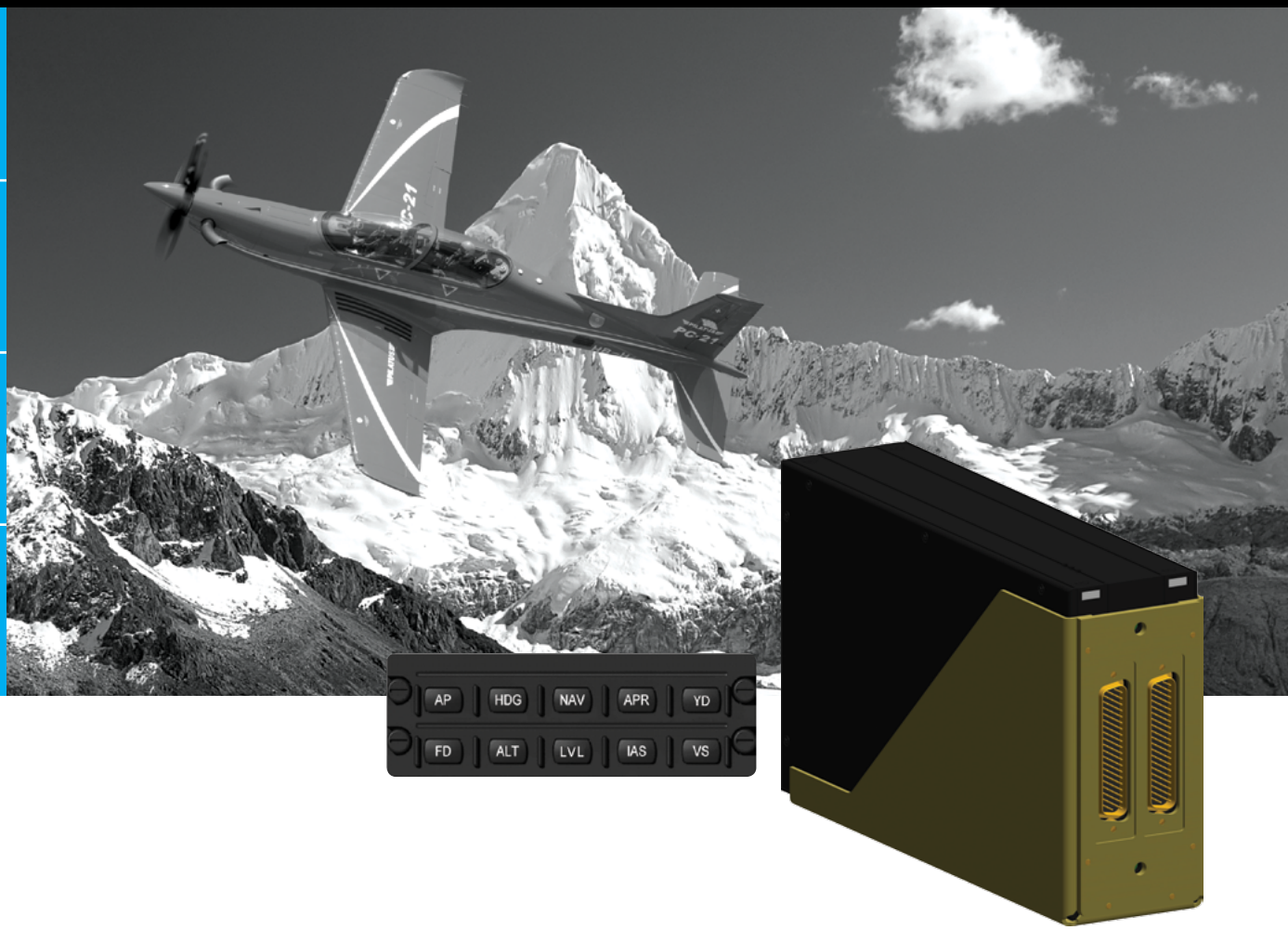
GENESYS AEROSYSTEMS

SUPERIOR AIRCRAFT MANAGEMENT

ENHANCED SAFETY

GREATER RELIABILITY

REMOTE MOUNT



IntelliFlight 1950

Make flying in today's airspace easier, safer and more efficient

Superior Aircraft Management: From wheels up to touchdown, 3-axis autopilot reduces pilot workload while flying IMC.

Enhanced Safety: Precision needed when flying an instrument approach down to minimums.

Greater Reliability: 100% digital, with solid-state gyros and advanced servos and sensors.

Remote Mount: Flexibility to easily integrate with existing aircraft systems and deliver advanced capabilities.

Advanced features

- Indicated Air Speed (IAS) Hold
- Control Wheel Steering (CWS)
- GPS Steering
- Heading Preselect & Hold PFD Integration
- Altitude Preselect & Hold w/Autotrim
- Digital Vertical Speed Command
- Optional Control Panel available
- And much more

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IntelliFlight 1950

Make flying in today's airspace easier, safer and more efficient

The IntelliFlight 1950 Digital Flight Control System (DFCS) from Genesys Aerosystems is the perfect complement to OEM glass systems, with the goal of integrating cockpit displays with communications, navigation and the digital flight controls. Together these advanced components provide pilots with a host of capabilities, features and functions that make flying in today's airspace easier, safer and more efficient.

Integrated

The IntelliFlight 1950 DFCS is a true second-generation digital flight control system. It takes all of the popular features and functions found in other members of the IntelliFlight DFCS family of products and presents them in a system that has the flexibility to take full advantage of advanced sensors and integrated cockpit displays of OEM glass systems.

Safety

The IntelliFlight 1950 DFCS's "managed flight" capability not only reduces overall pilot workload, it also gives flight crews added confidence and security. While the IntelliFlight 1950 DFCS is one of the most advanced autopilots available, it is also one of the easiest to use. Like every S-TEC autopilot, the IntelliFlight 1950 DFCS is designed around putting you in control of your aircraft through every phase of flight.

Aircraft Management

At the touch of a button, the IntelliFlight 1950 DFCS will operate directly with an OEM system's navigation sensors to deliver a totally integrated flight control system. From "wheels up to runway in sight," the system will handle the entire programmed flight profile for you. Think of it as the perfect copilot.

Features and functions

The IntelliFlight 1950 DFCS features all of the capabilities that have made S-TEC products general aviation's most popular and successful line of autopilots. Highlighting the system's advanced capabilities are Indicated Airspeed Hold (IAS Hold) and GPS Steering (GPSS) Mode.

Indicated Air Speed (IAS) Hold

When the pilot selects the Indicated Airspeed (IAS) Hold function on the mode controller, the IntelliFlight 1950 DFCS will automatically maintain the aircraft's pre-selected airspeed during climbs and descents.

Global Positioning System Steering (GPSS) Mode

GPSS mode integrates the IntelliFlight 1950 DFCS with the GPS receiver to accept roll steering commands and provide extremely accurate "hands off" GPS navigation. Additionally, by taking commands directly from the GPS, the GPSS function enables the IntelliFlight 1950 DFCS to not only precisely fly en route GPS courses, it also does an excellent job of precision flying GPS approaches, missed approaches, and other phases of flight where the IntelliFlight 1950 DFCS is engaged.

As part of an integrated suite, the IntelliFlight 1950 DFCS also offers all the other capabilities pilots expect in a top-tier digital flight control system including:

- Heading Preselect & Hold
- Altitude Preselect & Hold w/Autotrim
- Digital Vertical Speed Command
- Yaw Damper
- Course Intercept Capability
- Dual Mode-HDG/NAV & HDG/APR
- VOR/LOC/GS/REV/GPS Course
- NAV Flag Warnings
- Flight Director
- Heading Control
- Altitude Pre-select
- Vertical Speed Control
- Indicated Airspeed Control
- Autopilot Mode Annunciations
- PFD Integration
- Voice Annunciations

GENESYS AEROSYSTEMS

PRECISE PERFORMANCE.
PROVEN EXPERIENCE.
PERSONALIZED ATTENTION.

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