Hybrid Touch Screen FMS/GPS/NAV/COM

IFD 5-SERIES FLIGHT MANAGEMENT SYSTEMS

The IFD 5-Series sets a new standard for user-interface simplicity for large-screen GPS-based Flight Management Systems. Leveraging the award-winning Page & Tab user interface and the FMS of the Entegra Release 9 system along with highly-intuitive hybrid touch-screen and knob/button controls, the IFD 5-Series makes it much easier to access the information you want when you want it, while avoiding the notion of home pages, nested-menus, and unfamiliar icons associated with other systems. Innovative exocentric Map view (EXO) provides additional situational awareness.

Designed as a replacement for existing GNS530-Series navigators, the IFD540 (pictured) provides full FMS, NAV, and COM functionality, including integrated BlueTooth and WiFi capability, Terrain Awareness, Forward Looking Terrain Alerting (FLTA), CMax™ Approach Charts & Airway Diagrams, 10-watt VHF COM. Available options include digital Radar interface, RS-170 Video input, European VFR (Bottlang) Charts, and 16-watt COM.

The IFD510 provides GPS-only navigation capability, is designed as a replacement for GNS500-Series navigators, and includes integrated BlueTooth and WiFi capability, CMax™ Approach Charts & Airway Diagrams. Available options include digital Radar interface, RS-170 Video input, European VFR (Bottlang) Charts.

IFD 4-SERIES FLIGHT MANAGEMENT SYSTEMS

The IFD 4-Series provides powerful GPS-based Flight Management System capability where space is at a premium. The IFD 4-Series uses the same Page & Tab user interface and hybrid touch-screen technology, and shares many of the same functions as the IFD 5-Series, with a slightly smaller display.

The IFD440 (pictured) is designed as a replacement for existing GNS430-Series navigators, providing full FMS, NAV, and COM functionality, Terrain Awareness, and a 10-watt VHF COM. Available options for the IFD440 include integrated BlueTooth and WiFi capability, Forward Looking Terrain Alerting (FLTA), and 16-watt COM.

The IFD410 provides GPS-only navigation capability, is designed as a replacement for GNS400-Series navigators and includes full GPS flight management capability and Terrain Awareness. Available options for the IFD410 include integrated BlueTooth and WiFi capability, Forward Looking Terrain Alerting (FLTA), and 16-watt COM.

Multi-Function Displays

EX600 MULTI-FUNCTION DISPLAYS W/CMAX™

The EX600 with QuickPan™ - Featuring a large 5.8-inch diagonal VGA display, dedicated Map Panning Keys, and an innovative new QuickPan capability, the EX600 delivers easy-to-use, datalink-ready multifunction display capability for general aviation airplanes & helicopters.

CMax™ Electronic Approach Charts & Airport Diagrams, plus interfaces for all the popular TIS/TAS traffic sensors are included as standard. Designed to be CDTI for ADS-B systems. The versatile EX600 has options for supporting any of 20 different radar interfaces, EGPWS, and TCAS I.

With the EX600's "map-centric" operation and full overlay capability, you can display a moving map of your flight plan and view datalink weather all along your route of flight. And view on-board Wx Radar. And special-use airspace. And traffic. And terrain. And color lightning. All without ever leaving the map page.

Lightning

TWX670 TACTICAL WEATHER DETECTION SYSTEM

The TWX670 is a third-generation lightning-based weather detection system that provides a simple and intuitive color-contoured display with instantaneous picture of surrounding weather. The TWX670 accurately detects and clearly displays electrical discharges --the primary indicator of thunderstorms—in real time, regardless of aircraft maneuvering. With its significantly-improved accuracy over previous-generation lightning detection systems, the TWX670 provides true tactical weather avoidance, especially in the critical 0 – 25nm range, making it a perfect complement to the strategic benefits of satellite-based datalink weather.

SkyTrax ADS-B

AXP340 MODE S TRANSPONDER WITH ADS-B OUT

The AXP340 transponder is a panel-mounted Class 1 Mode S Level 2 Datalink Transponder, with support for 1090MHz Extended Squitter (ES), that meets all the current requirements for Mode S elementary surveillance and ADS-B Out for domestic and international use.

AXP322 REMOTE-MOUNT MODE S TRANSPONDER WITH ADS-B OUT

The AXP322 transponder is a remote-mounted Class 1 Mode S Level 2 Datalink Transponder, with support for 1090MHz Extended Squitter (ES), that meets all the current requirements for Mode S elementary surveillance transponders for both IFR and VFR flight. It is designed to be controlled using an Avidyne IFD540 or IFD440 GPS/NAV/COM.

SKYTRAX ADS-B 978MHZ SERIES

SkyTrax100 Receiver provides FIS-B weather information, including NEXRAD radar, METARs, TAFs, AIRMETs, SIGMETs, SUA, and TFRs, plus traffic from ADS-B, ADS-R and TIS-B. The SkyTrax200 Transceiver provides the same ADS-B IN benefits as MLB100, plus it is certified as a compliant ADS-B OUT solution for IFD440/540 GPS users in aircraft flying below 18,000 feet in the U.S. The SkyTrax210 Transceiver provides ADS-B IN & OUT, same as the MLX200 except it also has an internal compliant GPS for use in aircraft with an Avidyne EX500, EX600, or EX5000 series Multi-Function Display and with an Avidyne IFD440/540 GPS.

TAS-A SERIES ACTIVE TRAFFIC SYSTEMS

Avidyne's dual-antenna TAS605A, TAS615A, and TAS620A Traffic Advisory Systems with VeriTAS™ combine the precision and accuracy of ADS-B IN for traffic awareness, along with the autonomy of active-surveillance capability for an even better collision avoidance safety solution for pilots.

VeriTAS is Avidyne's ADS-B traffic detection & alerting technology which show you the true traffic picture. VeriTAS seamlessly correlates all of the active and passive traffic information received with much more precise alerting, while eliminating nuisance alerts.

Avidyne also offers the TAS600, the smallest, lightest, lowest-priced, and best-performing active-surveillance traffic system available.

Audio

AMX240 AUDIO PANEL WITH STEREO INTERCOM

The AMX240 is a full-featured audio source selector panel, intercom, and Marker Beacon receiver that provides outstanding features and sound quality, while incorporating Avidyne's legendary "Flying Made Simple" user interface. Large, easy-to-read, LED backlit buttons provide simple mode selection and at-a-glance annunciation of your current audio and intercom configuration.

Digital Autopilot

DFC90 ATTITUDE-BASED DIGITAL AUTOPILOT

Avidyne's DFC90 Attitude-Based Digital Autopilot enhances precision of flight and improves safety for your Entegra-equipped. The DFC90 adds the precision of an attitude-based flight control system and Avidyne's innovative, safety-enhancing Flight Envelope Protection capability. DFC90 available for existing Entegra-equipped Cirrus aircraft.