

EVOLUTION FLIGHT DISPLAY SYSTEM

1000 PFD SERIES



- Lowest price full-featured glass panels for GA retrofit
- Advanced EFIS six-pack replacement
- The only upgradable PFD-only EFIS on the GA market
- Works with your panel's existing avionics — nearly every GPS or nav radio
- Broadest autopilot/flight director support
- Optional terrain, traffic, and weather
- Optional Evolution Synthetic Vision
- Expandable and upgradable
- Easiest installation
- Lightest weight
- Award-winning customer service
- No-nonsense warranty

Your Glass Cockpit Has Arrived

The award-winning Aspen Evolution™ 1000 series Primary Flight Displays (PFDs) deliver exceptionally easy-to-use, advanced glass panels at the lowest price on the market. Choose from the least expensive high-performance basic glass panel EFD1000 Pilot PFD or the top-of-the-line EFD1000 Pro PFD.

Not only are Aspen PFDs the most affordable GA glass on the market, your fly-away cost is made even lower because Aspen's patent-pending retrofit technology delivers substantially lower installation costs. There's no need for expensive new panel modifications; Evolution Flight Displays (EFDs) uniquely retrofit directly into your aircraft's six-pack panel holes. The self-contained EFDs also don't require the installation of heavy remote mount boxes. And since Evolution displays work with the avionics already in your panel — no matter what make — you don't have to upgrade your GPS or radios.

The Pilot and Pro PFDs provide professional-grade EFIS primary flight instruments. The Pilot has a slaved Directional Gyro while the Pro includes a

full-featured electronic HSI with moving map. Choose the level of features and capabilities that suit your needs and budget.

Evolution EFDs are fully software upgradable, so you can add comprehensive hazard awareness capabilities, Evolution Synthetic Vision, and other new features — all without removing the display from your panel. Evolution also delivers greater flexibility since Aspen flight displays work with your existing GPS, radios, and traffic sensors, so you don't have to upgrade them until you're ready.

The highly flexible Evolution Primary Flight Displays are the only upgradable single PFD glass panels available and deliver the lowest cost option for adding glass to your aircraft. The modular Evolution system lets you expand your panel with one or two Multi-function Flight Displays (MFDs) as your needs grow and your budget permits.

Evolution — your glass panel begins here.

EVOLUTION FLIGHT DISPLAY SYSTEM

Pilot PFD



Pro PFD



EFD1000 PILOT PFD FEATURES:

- Airspeed and altitude tapes
- Integral altitude alerter
- Slaved directional gyro with heading bug
- Base map with flight plan legs and waypoints, curved flight paths¹, and nearby nav aids
- GPS flight plan map views: 360° & ARC
- Display of real-time winds aloft, OAT, TAS, and ground speed¹
- Integral Air Data Computer and Attitude Heading Reference System (AHRS)
- Built-in backup battery and emergency GPS
- Brilliant, direct sunlight-readable, 6-inch 760x400 TFT active matrix LCD display (140 pixels/inch)

EFD1000 PRO PFD FEATURES:

- All the features of the EFD1000 Pilot primary flight display plus:
- Full electronic HSI with dual bearing pointers
 - Integrates with most GA autopilot and flight director systems
 - Dual GPS and dual VHF nav support
 - Built-in GPS Steering¹
 - Separate approach minimums alerting
 - Optional Evolution Synthetic Vision⁴
 - Altitude and minimums alerter tone output⁵
 - Optional Evolution Hazard Awareness (EHA) upgrade provides traffic and weather displays^{2,3}

¹ With compatible GPS navigators.

² Requires ARINC 735A compatible traffic system.

³ Requires Aspen EWR50 Weather Receiver or equivalent.

⁴ See www.aspenavionics.com/availability for product availability dates.

⁵ Requires optional tone generator

See www.aspenavionics.com/approvals for the latest list of approved aircraft makes and models and autopilot/flight director systems.

Features and specifications are subject to change without notice.

Optional Evolution Synthetic Vision



Evolution Synthetic Vision (ESV) is an optional expansion to the Evolution Flight Display System. ESV presents a real-time, computer-generated 3D view of terrain, obstacles, and traffic.

The synthetic rendering simulates the view from the cockpit on a bright day, so it's especially helpful to provide enhanced situational awareness when flying during conditions of reduced visibility or darkness.

Evolution Synthetic Vision sets a new industry benchmark for precision by using 3-arc second terrain data. Aspen's 140-pixels/inch display delivers crisp, clear, high-resolution detail—the perfect platform for synthetic vision technology.⁴



Add a 1000 MFD and/or a 500 MFD for a total glass cockpit system that can include PFD redundancy and more display area than competing flight displays.

ASPEN AVIONICS™
A NEW WAY TO LOOK AT AVIONICS

www.aspenavionics.com