

EVOLUTION FLIGHT DISPLAY SYSTEM

EVOLUTION 2000 PACKAGE



- DuoSafe™ 1000 Pro PFD / 1000 MFD redundancy backs up all critical sensors and systems
- Advanced EFIS six-pack replacement
- Photo-quality moving maps and crisp, clear text
- Charts and geo-referenced airport diagrams
- Terrain, traffic, maps and weather
- Works with nearly every GPS or nav radio
- Broadest autopilot/flight director support
- Easiest installation
- Lightest weight
- Award-winning customer service
- No-nonsense warranty
- Best value

Evolution 2000 Package — MFD Versatility With Full PFD Backup

The Evolution 2000 Package combines the 1000 Pro PFD (Primary Flight Display) and the 1000 MFD (Multi-function Flight Display) to provide a system with MFD versatility as well as the safety and confidence of DuoSafe™ full PFD instrument redundancy. This Evolution Flight Display pair is an unbeatable duo that provides everything you need in an easy-to-use, full-featured glass cockpit for your GA aircraft. Aspen makes the system affordable with patent-pending retrofit technology and superior compatibility for substantially lower installation costs and total cost of ownership.

The 1000 Pro PFD provides professional-grade EFIS primary flight instruments, with a full-featured electronic HSI with moving map. The 1000 MFD adds photo-quality moving maps, terrain awareness, standard charts and geo-referenced airport diagrams, and optional Evolution Hazard Awareness including traffic displays, WX500 Stormscope® display, and the full suite of XM WX® aviation weather products.

Improved Safety Through Redundancy

The 1000 MFD incorporates the exact same hardware and software as the PFD, so these units give you two of *everything*, not just two displays: dual

independent AHRS, Air Data Computers, compass systems, HSIs, and more. With Aspen's exclusive DuoSafe PFD redundancy, if your PFD fails you simply press the 1000 MFD's REV button and it becomes the PFD — converting into an identical backup right in your primary instrument scan. This identical PFD backup means less stress and potential confusion in a pressure situation. *No other GA glass cockpit system gives you this level of redundancy and confidence at any price!*

The highly flexible Evolution Flight Display System is fully upgradable, so you can add comprehensive hazard awareness capabilities, new features, and even a second MFD to complete a three-display glass cockpit system. The Evolution 2000 Package kit costs less than the individual displays purchased separately — the choice is yours.

Evolution 2000 — exceptional versatility, unmatched redundancy.



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1000 Pro PFD



1000 MFD



1000 PRO PFD FEATURES:

- Airspeed and altitude tapes
- Altitude alerter (and separate approach minimums alerting)
- Full electronic HSI with dual bearing pointers
- Base map with flight plan legs and waypoints, curved flight paths¹, and nearby nav aids
- Integrates with most GA autopilot and flight director systems
- ARC and 360° views with dual GPS and dual VHF nav support
- Built-in GPS Steering¹
- Display of real-time winds aloft, OAT, TAS, and ground speed¹
- Integral Air Data Computer and Attitude Heading Reference System (ADAHRS)
- Built-in backup battery and emergency GPS
- Optional Evolution Synthetic Vision⁴
- Optional Evolution Hazard Awareness (EHA) upgrade provides traffic and weather displays^{2,3}
- Brilliant, direct sunlight-readable, 6-inch 760x400 TFT active matrix LCD display (140 pixels/inch)

1000 MFD FEATURES:

- Duplicate sensor set providing DuoSafe PFD redundancy if PFD fails
- Sectional-style moving maps with hazard awareness overlays
- Customizable screen layouts
- Charts and geo-referenced airport diagrams
- Secondary HSI
- May eliminate requirement for mechanical backup instruments
- Evolution Hazard Awareness (EHA) Built-in Terrain Awareness system Traffic²
- WX500 Stormscope® compatibility XM WX® Satellite Weather, with all XM WX aviation weather products³
- Built-in backup battery and emergency GPS⁵
- Brilliant, direct sunlight-readable, 6-inch 760x400 TFT active matrix LCD display (140 pixels/inch)

¹With compatible GPS navigators

²Requires ARINC 735A compatible traffic system.

³Requires Aspen EWR50 Weather Receiver or equivalent.

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

⁵Emergency GPS available with optional upgrade

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.

DuoSafe™ PFD Function Redundancy

- Dual independent Attitude and Heading Reference Systems (AHRS)

Dual electronic attitude gyros

Dual attitude indicators

Dual magnetic flux gates

Dual gyro compass systems

Dual HSIs

- Dual independent Air Data Computers (ADC)

Dual airspeed indicators

Dual altimeters

Dual VSIs

Dual OAT probes

- Dual independent backup batteries

- Dual independent battery-powered emergency GPS receivers⁵

**Reversion at
a button press**



Add a second Evolution MFD for a total glass cockpit system with more display area and versatility than competing flight displays.

ASPEN AVIONICS™
A NEW WAY TO LOOK AT AVIONICS

www.aspenavionics.com