

EVOLUTION

FLIGHT DISPLAY

Comparison Guide

PFD Feature Comparison

Aspen offers three PFDs; PRO, VFR and Pilot. The PRO is full featured and meets the needs of IFR pilots. The VFR meets the needs of VFR pilots and upgrades to a PRO with software upgrades and an ACU. The Pilot is a VFR PFD with no feature upgrades or options.

	Model			
	Evolution 1000 PILOT PFD	Evolution 1000 VFR PFD	Evolution 1000 VFR PFD	Evolution 1000 PRO PFD
Software Option Set			VFR – PRO Upgrade	
Suggested Retail Price	\$6, 180	\$4,995	\$4,690	\$10,187
ACU Option	NA	\$1,000		STANDARD
Suggested Retail Price with ACU	NA	\$5,995		\$10,187
AHRS				
Integral Air Data Computer and Attitude Heading Reference System	•	•	•	•
DISPLAY FUNCTIONALITY				
PRIMARY ATTITUDE & AIR DATA DISPLAY				
Attitude Director Indicator (ADI)				
Attitude Display	•	•	•	•
Aircraft Reference Symbol	•	•	•	•
Single-Cue Flight Director Command Bars (external FD)			•	•
Slip/Skid Indicator	•	•	•	•
Vertical Deviation Indicator (VDI)			•	•
Lateral Deviation Indicator (LDI)			•	•
Airspeed Tape and Reference				
IAS Tape Display (knots or MPH)	•	•	•	•
Target Airspeed Field	•	•	•	•
Airspeed Bug	•	•	•	•
V-Speeds, Pilot Configurable (show/hide)	•	•	•	•
IAS Numeric Display	•	•	•	•
Airspeed Color Bands	•	•	•	•
Altitude Tape and Alerter				
Altitude Tape Display	•	•	•	•
Selected Altitude Field (controls alt bug)	•	•	•	•
Selected Altitude Level-Off Tone Alert			•	•
Altitude Numeric Display	•	•	•	•
Altitude Trend Vector	•	•	•	•
Altitude Bug	•	•	•	•
Decision Height Annunciation			•	•
Selected Minimums Field			•	•
Selected Minimums Alerting Tone			•	•
Radio Altitude			ACU2 required	ACU2 required
Automatic Direction Finder (ADF)			ACU2 required	ACU2 required
Heading Synchro			ACU2 required	ACU2 required
Minimums Marker			•	•
LDI/CDI Navigation Source Annunciation		•	•	•
Vertical Speed Indicator (VSI)				
Vertical Speed Numeric Display	•	•	•	•
Vertical Speed Tape Display	•	•	•	•
Air Data Bar Preset (factory default)				
True Airspeed (TAS)	•	•	•	•
Baro Setting and Display	•	•	•	•
Wind Direction Degrees, Wind Speed	•	•	•	•
Wind Direction Arrow	•	•	•	•
Outside Air Temperature	•	•	•	•
GPS Ground Speed	•	•	•	•

PFD Feature Comparison

	Model			
	Evolution 1000 PILOT PFD	Evolution 1000 VFR PFD	Evolution 1000 VFR PFD VFR – PRO Upgrade	Evolution 1000 PRO PFD
Software Option Set				
PRIMARY NAVIGATION DISPLAY				
Navigation Display	•	•	•	•
Ownship Display	•	•	•	•
Direction Indicator Units	•	•	•	•
360 Compass	•	•	•	•
ARC Compass	•	•	•	•
Rate of Turn Indicator	•	•	•	•
Track Marker	•	•	•	•
Numerical Direction of Flight	•	•	•	•
Heading Bug Numerical Value Display	•	•	•	•
Heading Bug	•	•	•	•
GPS Flight Plan Map Views	•	•	•	•
Base Map (with flight plan legs, way points, curved flight paths with compatible GPS Navaid)	•	•	•	•
Course Deviation Indicator (CDI)				
Course Pointer		•	NA	NA
To/From Indicator		•	NA	NA
Selected Course Numerical Value Display		•	NA	NA
Course Deviation Scale		•	NA	NA
Course Deviation Indicator		•	NA	NA
Horizontal Situation Indicator (HSI)				
Course Pointer			•	•
To/From Indicator			•	•
Selected Course Numerical Value Display			•	•
Course Deviation Scale			•	•
Course Deviation Indicator			•	•
Single Line Bearing Pointer			•	•
Single Line Bearing Pointer Source			•	•
Single Line Bearing Pointer Information Block			•	•
Double Line Bearing Pointer			•	•
Double Line Bearing Pointer Source			•	•
Double Line Bearing Pointer Source Info Block			•	•
Selected Source Information Block		•	•	•

NextGen

SAFETY FEATURES				
Emergency & Backup				
Backup GPS Position	•	•	•	•
Internal Battery Backup Power (30 min.)	•	•	•	•
Backup Battery Charge Level/Time Remaining Display	•	•	•	•
OPTIONS				
VFR - PRO Software upgrade				
External Emergency Backup Battery				
EA 100 Pitch Roll Auto Pilot		•	•	•
ACU* Analog Converter Auto Pilot (enables GPS steering)		•	•	Standard
ACU2*		•	•	•
Evolution Hazard Awareness***		•	•	•
EWR50		•	•	•
Hazard Awareness Overlays				
Traffic (Requires ARINC 735A compatible traffic system)		•	•	•
XM Weather (Requires EWR 50 weather receiver)		•	•	•
WX-50 Stormscope Lightning Interface		•	•	•
ADS-B Weather and Traffic		•	•	•
Synthetic Vision			•	•

*If the optional ACU is part of the initial VFR installation (highly recommended), the PRO upgrade (IFR) is greatly simplified with only a software upgrade required (no need to open the aircraft a second time)

The VFR PFD is IFR capable with limitations.

**Requires compatible hazard awareness sensors to be installed and configured to the PFD.



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