# EVOLUTION
## FLIGHT DISPLAY SYSTEM

**Comparison Guide**

# Display Feature Comparison

| | Model | |
|---|---|---|
| | **Evolution E5 Dual EFI** | **Evolution Pro 1000 MAX PFD** |
| **Software Option Set** | | |
| **ADAHRS** | | |
| Integral Air Data Computer and Attitude Heading Reference System | • | • |
| **AUTOPILOT** | | |
| Interfaces to the new TruTrak Vizion Autopilot | • | • |
| Compatible with most legacy autopilots | • | • |
| **PRIMARY DISPLAY FUNCTIONALITY** | | |
| **PRIMARY ATTITUDE AND AIR DATA DISPLAY (ADI)** | | |
| Attitude Display (Pitch and Bank) | • | • |
| Aircraft Reference Symbol | • | • |
| Single-Cue Flight Director Command Bars (external FD) | | • |
| Slip/Skid Indicator | • | • |
| Vertical Deviation Indicator (VDI) | • | • |
| Lateral Deviation Indicator (LDI) | • | • |
| **Airspeed and Tape Reference** | | |
| IAS Tape (Knots, MPH, Mach) | • | • |
| 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 and Altitude Deviation Tone Alerts | | • |
| Altitude Numeric Display | • | • |
| Altitude Trend Vector | | • |
| Altitude Bug | • | • |
| Decision Height Annunciation (ACU or ACU2 required) | | • |
| Selected Minimums Field | | • |
| Selected Minimums Alerting Tone | | • |
| Minimums Marker | | • |
| Radio Altitude | | ACU2 required |
| Automatic Direction Finder (ADF) | | ACU2 required |
| Heading Synchro | | ACU2 required |
| Selected Altitude Intercept | | • |
| **Vertical Speed Indicator (VSI)** | | |
| Vertical Speed Numeric Display | • | • |
| Vertical Speed Tape Display | • | • |
| Target VSI Field (When STEC 55X A/P or DFC90 A/P is configured) | | • |
| **Air Data Bar Preset (factory default)** | | |
| True Airspeed (TAS or Mach) | Advanced Feature Unlock required | • |
| Baro Setting and Display | • | • |
| Wind Direction Degrees, Wind Speed | Advanced Feature Unlock required | • |
| Wind Direction Arrow | Advanced Feature Unlock required | • |
| Outside Air Temperature | Advanced Feature Unlock required | • |
| GPS Ground Speed | • | • |

# Display Feature Comparison

| | Model | |
|---|---|---|
| **Software Option Set** | **Evolution E5 Dual EFI** | **Evolution Pro 1000 MAX PFD** |
| **DIRECTION INDICATOR** | • | • |
| Numerical Direction of Flight | • | • |
| Ownship Symbol | • | • |
| 360 Compass Display | • | • |
| ARC Compass Display | • | • |
| Selected Heading Display and Bug | • | • |
| Rate of Turn Indicator | • | • |
| Track Marker | • | • |
| | | |
| **NAVIGATION DISPLAY** | | |
| Base Map with flight plan waypoints and legs and Navaids (When a compatible GPS is configured) | | • |
| Selected Course Numerical Value Display | • | • |
| Bearing Pointers (Single and Double Line) with Information Block (Only in 360 Compass Display) | | • |
| Auto Course | • | • |
| Course Deviation Indicator (CDI) in ARC Compass Display | | • |
| Course Deviation Indicator (CDI) in ARC or 360 degree compass display | • | |
| Horizontal Situation Indicator (HSI) in ARC or 360 Compass Display | • | • |
| **Course Deviation Indicator (CDI)** | | |
| Course Pointer | • | • |
| To/From Indicator | • | • |
| Course Deviation Scale | • | • |
| Course Deviation Indicator | • | • |
| **Horizontal Situation Indicator (HSI)** | | |
| Course Pointer | • | • |
| To/From Indicator | • | • |
| Course Deviation Scale | • | • |
| Course Deviation Indicator | • | • |
| | | |
| **SAFETY FEATURES** | | |
| **Emergency and Backup** | | |
| Degraded Attitude (When a compatible GPS is configured) | • | • |
| Backup RSM GPS Position | | • |
| Internal Battery Backup Power | • | • |
| **Audio Out (Tone or Voice Options)** | | |
| Selected Altitude Level-off and Altitude Deviation Alerts | | • |
| Minimums Alert | | • |
| Overspeed Alert | | • |
| Timer Expired Alerts (When configured with a MFD) | | • |
| Synthetic Vision Alert | | • |
| | | |
| **OPTIONS** | | |
| **E5 to Pro Upgrade** | • | |
| ***EA100*** Display Attitude (pitch/roll) to Autopilot | • | • |
| ***ACU*** | • | Standard |
| ***ACU2*** | | • |
| **EWR50** | | • |
| **Evolution Hazard Awareness Overlays** | | |
| **Traffic** (Requires ARINC 735A compatible traffic system) | | • |
| **XM Weather** (Requires EWR 50 weather receiver) | | • |
| **WX-500 Stormscope Lightning Interface** | | • |
| **ADS-B Weather and Traffic** (Requires compatible ADS-B receiver system) | | • |
| **Synthetic Vision** | | Standard |
| **Angle of Attack** | | • |

NextGen ADS-B

ASPEN AVIONICS™