

Dornier Do 228

Mission-Ready Flight Deck Solution



Universal Avionics Do 228 solutions feature adaptable designs, proving valuable in both forward-fit and retrofit applications, where interface flexibility is essential.

Forward-Fit Solution

While Universal Avionics products are well-suited for retrofit, the technologies available to that market can be directly applied to new production aircraft as well. The Do 228 New Generation (NG) was the first platform to offer the EFI-890R Advanced Flight Display as standard production.



- 4 – EFI-890R Advanced Flight Displays
- 1 – Terrain Awareness Warning System (TAWS)
- 1 – UNS-1Ew SBAS-FMS
- 2 – Radio Control Units (RCU)
- * Night Vision Goggle-Compatibility

Retrofit Solution

The versatility of the flight deck upgrade package provides flexibility to replace as little or as many of the existing components, based upon the capabilities needed and budget. This upgrade also provides significant improvement in reliability over legacy instruments.



- 3 – EFI-890R Advanced Flight Displays
- 1 – Terrain Awareness Warning System (TAWS)
- 1 – UNS-1Fw SBAS-FMS with 5" CDU
- 2 – Radio Control Units (RCU)
- * Night Vision Goggle-Compatibility

High-Integrity Navigation: SBAS

Satellite-Based Augmentation Systems (SBAS) are an integral part of the worldwide effort to reduce dependency on ground-based infrastructure and leverage the precision and accuracy provided by satellite technologies. Universal Avionics SBAS-Flight Management Systems (FMS) are compatible with the regional SBAS around the world. Learn more at uasc.com/sbas.

An optional Multi-Missions Management System (MMMS) software upgrade is available and provides special interfaces and the ability to fly six distinct patterns. The MMMS is unmatched for special mission operations such as Search and Rescue (SAR), reconnaissance, surveillance, maritime patrol, border patrol, geophysical survey and flight inspection.



Mission Ready: EF1-890R, UNS-1Fw MMMS and RCU

EF1-890R

In retrofit applications, the versatile design of the EF1-890R allows interface with many existing components, providing a substantial cost saving option. With this solution, legacy electromechanical flight displays are removed and replaced with modern 8.9" diagonal LCD EF1-890R Advanced Flight Displays. A unique LED backlight system with reduced power requirements produces a lower unit operating temperature for superior reliability. The high-resolution, high-contrast display provides superior readability throughout a full range of ambient lighting conditions including bright sunlight and dim nighttime environments. Extremely wide viewing angles are also accommodated. This LED backlight system produces brighter, clearer displays with improved color uniformity.

RCU

The Radio Control Units (RCU) replace multiple federated radio control heads. Eliminating the need for multiple Line Replaceable Units (LRU) and consolidating radio control into a single, advanced controller, provides savings in space and weight, while also increasing efficiency. Eighteen pilot-selectable preset frequencies can be accommodated for NAV, COM and ADF radios. The RCU seamlessly integrates with Universal Avionics FMSs as a backup tuning source. It will also provide the RCU with up to six suggested frequencies based on the active flight plan (VHF COM, NAV and ADF radios), reducing pilot workload.

ADS-B Out Compliance

Automatic Dependent Surveillance-Broadcast (ADS-B) Out provides surveillance and improved situational awareness to pilots and Air Traffic Control (ATC). Providing a flexible and expandable platform to accommodate future air traffic growth, ADS-B Out is designed to improve the safety, capacity and efficiency of the National Airspace System (NAS).

Universal Avionics SBAS-FMSs qualifies as an approved ARINC 743A position source required for ADS-B Out compliance. As the foundation of the ADS-B Out solution, it interfaces with all ADS-B transponders including the commonly used Honeywell RCZ-8XX Series and Rockwell Collins TDR-94(D). Learn more at uasc.com/ads-b.

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Specifications and graphic displays contained herein are subject to change without notice. Features and capabilities may be limited due to installation or interfacing equipment.



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