

HAD



Hazard Avoidance Display

Main features

- User-friendly formats simplifying the pilot's task
- Supports data from:
 - TCAS (Traffic Alert and Collision Avoidance System): mandatory from 1 January 2005 onwards
 - Automatic Dependent Surveillance Broadcast (ADS-B)
 - FMS map via ARINC 702 / Gamma symbology
 - Weather radar display via ARINC 708 or video
 - Terrain Awareness Warning System (TAWS) display via ARINC 708 or video
 - Infrared camera
- Overlays of video and symbology
- Combination of plan and vertical profile displays
- Available to Barco's full range of Multi-Function Displays
- Available as Barco MOSAR™ optional module

Barco's Hazard Avoidance Display (HAD) enables the clear and concise display of several types of safety information (traffic, weather, terrain and flight management) on one display, offering total situational awareness to the aircrew. The HAD makes use of Barco's sophisticated processing unit to combine data from many sources into a simple format. Thanks to Barco's open, modular approach to product development, the HAD can be combined with a full range of Multi-Function Displays in several sizes and configurations.

Barco's HAD meets all hazard display requirements in a single unit, making it the most cost effective solution for your next cockpit upgrade. Moreover, the HAD can be expanded into a full cockpit display system, by using the same hardware platform and adding primary flight display functions.

BARCO

Visibly yours

Technical specifications

INTERFACES

- ARINC 429
- ARINC 708/453
- Dual Analog Video input (RS-170, STANAG 3350, Pal, NTSC, RGB)
- Support for two independent displays from a single processing unit
- Dual Ethernet interface for optional map downloading
- Optional MIL-STD-1553B

DISPLAYS SPECIFICATION

Available for Barco's MFD-5.4/1, MFD-6.8/1, MFD-5.7 and MFD-12.9/1

SELECTABLE OPTIONS

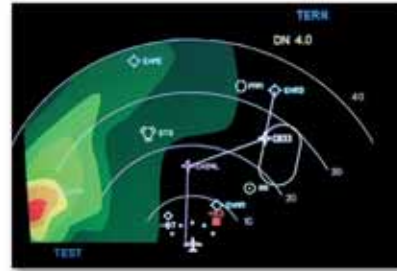
- Barco's D-MAP (Digital Moving Map Module)
- Upgradeable to a Primary Flight Display
- Can be integrated in MOSARt™ as a separate partition, preserving the criticality level of the remaining application

CERTIFICATION (anticipated)

Optional TSO C63c, C92c, C105, C113, C118 and C119



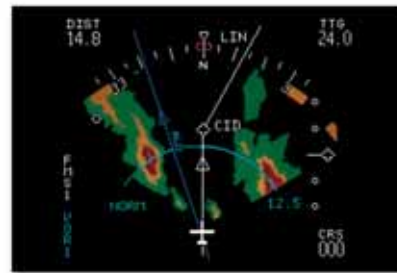
FMS with TCAS



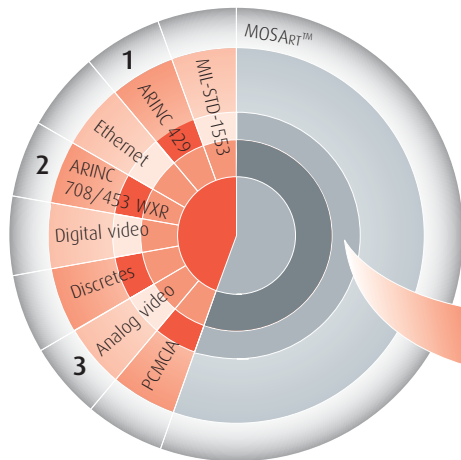
FMS with TAWS and TCAS



Infrared camera



WXR



- 1) FMS, TCAS, ADS-B
- 2) WXR, TAWS
- 3) IR camera



In search of continuous improvement

Ref. A-5-HAD-0605

Technical specifications are subject to change without prior notice

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