

# Dual State Xserver



## Main features:

- Enables hot switching of two applications on one display with one graphics adapter
- Lowers the cost of a fallback system and allows for much higher system availability
- Requires minimal engineering

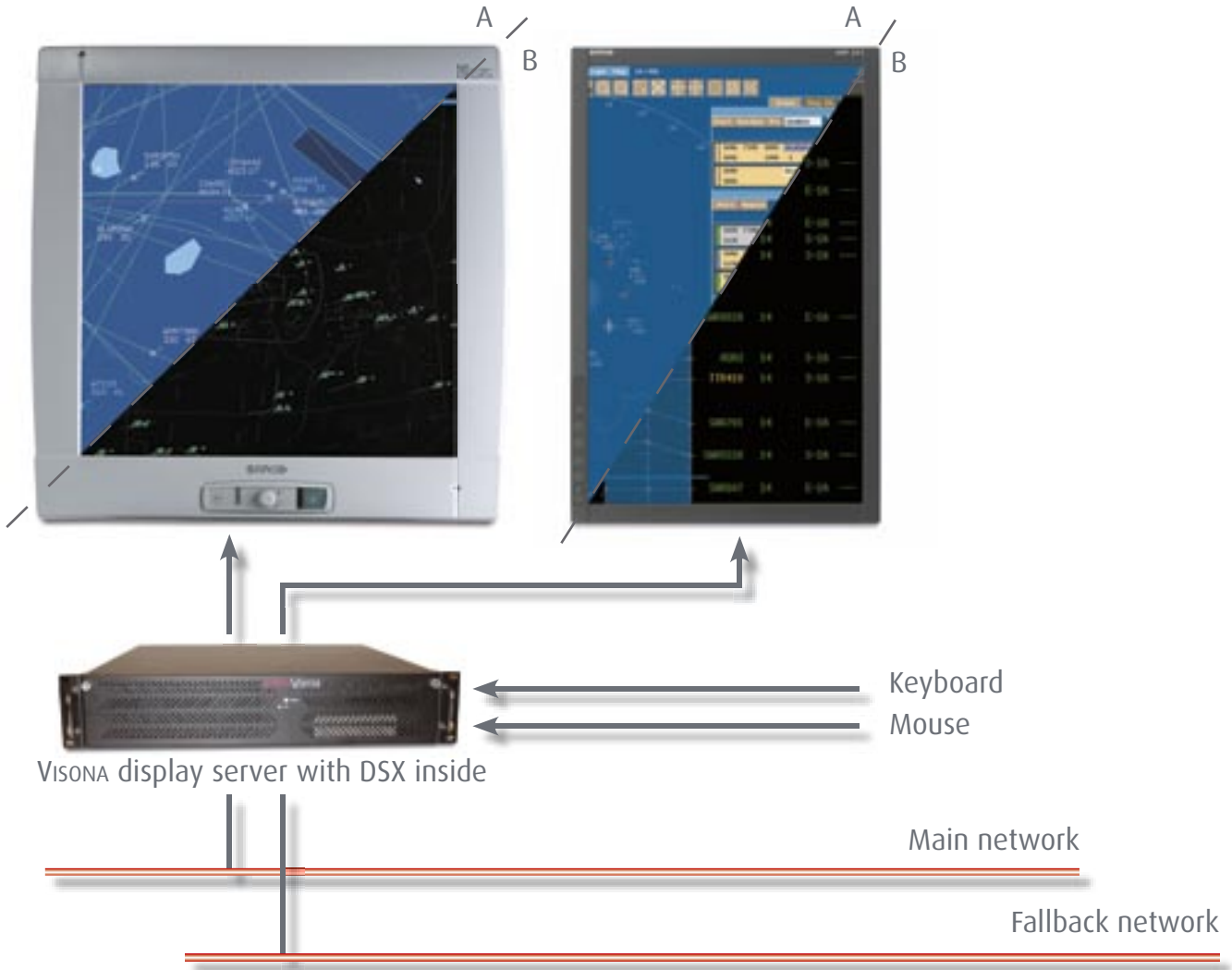
Barco's Dual State Xserver (DSX) software for the Air Traffic Control market is a powerful solution for the display of X Window graphics in operational display system environments, where high-level redundancy is of critical importance. The Dual State Xserver allows two sets of software applications to run simultaneously in hot stand-by configuration on the same graphics board without sharing the same software resources.

Barco's Dual State Xserver is a perfect example of Barco's philosophy of network-centric visualization, where the graphics visualization function is separated as much as possible from the application function, in order to increase the overall performance and availability of the system and to avoid possible integration issues.

# Functionality

Barco's patent pending Dual State Xserver, allows main and fallback applications to be hardware accelerated on the same graphics board, with one application being actively shown and while keeping Xserver resources separated in two states. This results in optimal performance of both applications. The active state can be changed through remote control or hot key. The dual state functionality is fully transparent to the actual application, so no modifications to the applications need to be made.

Barco's Dual State Xserver is compatible with Barco's full line of visualization hardware components, including the high-performance PVS6700 PCI graphics generator, the Visona graphics display server and the fully integrated 2Kx2K display station ISONA.



In search of continuous improvement

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Technical specifications are subject to change without prior notice

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