

# ISIS Main Displays for the FAA



## ISIS Main Displays selected for the Console Reconfiguration and Main Display Monitor Replacement (CRMR) Program

In 2002 Barco was selected by Lockheed Martin Transportation & Security Solutions (LMTSS), Rockville, MD, USA, to deliver ISIS 28-inch main displays for the Console Reconfiguration and MDM Replacement Program (CRMR). The program involved the replacement of approximately 1500 aging Sony DDM displays in Federal Aviation Administration (FAA) en-route centers across the US. Barco's prompt deliveries in the program have supported LMTSS in completing the FAA program milestones ahead of schedule. By the end of 2005, all operational displays were installed and in service.

Barco's ISIS was chosen by LMTSS because of its high optical quality, functional compatibility with the Sony DDM displays and enhanced user comfort.

Barco's ISIS flat panel main display was the obvious choice because of its high image quality, low life cycle cost and compatibility with the worldwide de facto ATC standard 20" x 20" square format at 2048 x 2048 resolution. Moreover, the four MegaPixel ISIS flat panel main display can easily be integrated into both new and existing controller working positions because of its small mechanical form factor.



## ISIS: 2K x 2K low life cycle cost display

Drawing on its long-standing expertise with Air Traffic Management technology, Barco has created **ISIS**, a true large screen 2Kx2K LCD main display for ATC controller working positions. Since its introduction, ISIS has become the world's leading square display both in new installations and as a direct replacement for the Sony DDM CRT display. Constantly updated with the latest technological advancements, ISIS is the number one visualization solution for today's and tomorrow's Air Traffic Control.

ISIS features the latest LCD panel technologies presenting an ergonomic, lightweight solution for ATC controller workstation positions. Its high-bright screen presents more detailed information, offers enhanced user comfort and counteracts eye-fatigue. Moreover, ISIS displays have an extremely low life cycle cost: they do not need regular adjustments and replacing their backlight tray is less expensive and time-consuming than changing a traditional Cathode Ray Tube.

The display's low weight, low power, small volume, high brightness and mechanical flexibility provide control center designers with a new degree of freedom to reduce plant costs and improve operator comfort and performance.



### Console Reconfiguration and Main Display Monitor Replacement (CRMR)

The Console Reconfiguration and Main Display Monitor Replacement (CRMR) Program provides for the replacement of the Sony Cathode Ray Tube (CRT) Main Display Monitors (MDMs) with flat panel displays, the installation of all console hardware required for the national deployment of the User Request Evaluation Tool (URET) program as well as the relocation of all the Voice Switching Communication System (VSCS) equipment in accordance with a critical national Professional Airway System Specialists (PASS) Memorandum of Understanding (MOU).

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