

Replacement Solution for Fisher-Rosemount RMV9000 Operator Stations

The Fisher-Rosemount RMV9000 DCS includes one or more operator stations providing color displays of process graphics. The operator stations have capabilities that are quite sophisticated and are critical to system operations. However, they now represent significant maintenance problems, because repair parts and services are both hard to find and expensive. Mirador has developed a family of PC-based software simulators for the RMV9000 operator stations that allow



RMV9000 users to solve their maintenance problems by replacing their operator station hardware with PC hardware.

There are two different types of RMV9000 operator stations. In older generation systems, the operator stations consist of customized Intecolor 8001G terminals (OSP8080 and OSPZ80) and separate keyboard processors (KBP) installed in large consoles. (See the control room photo at left.)

In newer generation systems the operator stations are desktop units based on Intecolor 8800 series terminals (OSP881X). A keyboard interface

processor board (KIP) is installed in the 8800 terminal card rack above the OSP processor board. The keyboard itself, including a serial processor (SKIP), is housed separately. (See the photo below right.)

Mirador can provide simulators for both older and newer generation OSPs.

Mirador's RMVSIM software is Linux-based. Typically, the software runs on a small form-factor industrial-grade PC, and the PC drives an industrial-grade LCD monitor equipped with a flat infra-red touchscreen. These PC hardware components can be retrofitted into the original RMV9000 console after the Intecolor chassis is removed, or the display can be installed on a desktop and the PC hidden behind or below. The PC is configured to launch the simulator software automatically at power-up.

The RMV9000 operator station simulator software has been field proven to faithfully replicate all the functions of the original Intecolor-based operator stations. Mirador offers the software under license, either alone, or bundled with suitable PC hardware. Please contact Mirador to learn how you can try it before committing to purchase.

Versions of the RMV9000 simulator that are currently available include:

- rmvsim for RMV9000 OSPZ80 Rev. W (8001G-based)
- rmvsim2 for RMV9000 OSP881X and KIP V5.02-02

Please enquire about additional versions.



Shown below are some typical displays from the Mirador RMV9000 OSPZ80 Rev. W simulator.

