Jupiter Fusion 940

The Jupiter Fusion 940™ Display Wall Controller, capable of driving up to ten analog or digital projectors to a resolution of 1600x1200 pixels per projector, leads the industry in price-to-performance. Offering flexible digital and analog input and output options, a robust software suite, and housed in a compact 2U rack mount enclosure, the Jupiter Fusion 940 is designed to satisfy demanding command-and-control display applications.

Jupiter Fusion 940 Features

The Jupiter Fusion 940 delivers unequaled ability to drive large projector arrays used in control rooms for Telecom, Public Utilities, Dispatch/911/Traffic Control, and Military applications. A compact, cost effective member of the Jupiter Fusion family of display wall processors, the Jupiter Fusion 940 includes the following features:

Twelve Composite and Six S-Video Inputs

The Jupiter Fusion 940 comes standard with 12 composite video BNC and six S-Video mini-DIN inputs to the system. The integrated video matrix switch and analog video bus allows any video input channel to be directed to any output window, simplifying configuration. Windows containing video inputs can be moved, scaled, and minimized like any other application window, making the Fusion 940 highly flexible and easy to use. Multiple video windows can be placed in a single screen, providing display space for other applications.

RGB Inputs

Up to eight HD15 inputs can be added to display live RGB graphics images on the display wall from other computer sources such as laptops, desktop computers, workstations, and legacy systems. RGB windows can be easily moved, resized, and minimized like any other application window. RGB image quality is guaranteed with automatic software recognition of incoming RGB signals that correlate to existing VESA standard display formats.

Flexible Interface

Combined with powerful video and RGB input capabilities, the Jupiter Fusion 940 runs Microsoft's Windows XP Professional operating system, providing compatibility with the vast majority of Windows applications. Standard features include UNIX connectivity software to interface with UNIX and X Window-based computers, the ability to interface with touch panel devices from AMX and Crestron, and networking capabilities to access corporate network-based applications.

Standard ControlPoint™ software, the focal point of Jupiter Fusion 940 activity, manages the placement and display of RGB, video and application windows, monitors system status, and provides open APIs and serial and TCP/IP protocols to customize operations to meet specific customer needs. ControlPoint provides a consistent, intuitive GUI interface for creating RGB, video and application windows, interactively placing them on the desktop, and providing the ability to save and restore display wall layouts. ControlPoint also provides simultaneous multi-user interaction with the display wall over a network. Administrators can define access rights on an individual or group basis. Included remote cursor software enables direct manipulation of display wall content over a network, conveniently, with the user's own keyboard and mouse.

Fusion 940 Configurations

The Fusion 940 can be configured with as many as five dual-channel graphics cards supporting up to ten display channels and, optionally, up to eight HD15 inputs for RGB graphics. Standard features include 12 composite BNC and six S-Video mini-DIN inputs, a single 200-watt power supply, and front accessible fan filters. The Jupiter Fusion 940 is shipped pre-configured with Microsoft Windows XP Professional.

FUSION 940

Jupiter

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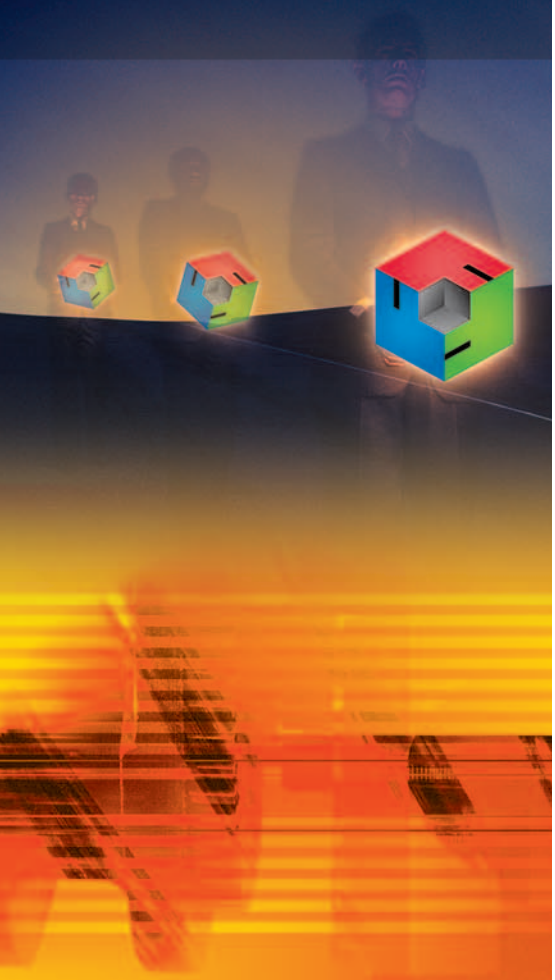

FUSION 940 BACK PANEL

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CPU BOARD

Processor	Intel Pentium IV @ 2.4 GHz
System memory	512MB DDR PC2100 RAM standard; 1GB DDR PC2100 optional
Expansion slots	5

DISK STORAGE

Hard disk drive	20 GB fixed disk
CD-ROM	48x CD-ROM
Floppy	1.44MB

GRAPHICS DISPLAY CAPABILITIES

Graphics memory	32MB per display channel
Number of outputs	2 to 10
Wall configuration	Any rectangular array
Resolution	640 x 480 to 1600 x 1200 pixels per display channel
Color Depth	16 bits per pixel
Cursor	Hardware cursor
Output signal	DVI-I connector (both analog and digital, DVI-I to HD15 adapter included)

VIDEO INPUT

Inputs	12 composite BNC and 6 mini-DIN S-Video
Input format	NTSC, PAL, SECAM
Scaling and display	Up to 16000 x 16000 pixel window size, multiple video windows per display channel

RGB INPUT

Inputs	Up to 8 RGB inputs (4 dual input cards)
Format	RGB with any sync type (composite, separate, sync on green)
Pixel rate	Up to 160MHz pixel clock
Pixel format	Samples in 24 bits per pixel/displays in 16 bits per pixel
Scaling and display	Up to 4096 x 3072 pixel window size, multiple RGB windows per display channel

NETWORK INTERFACE

Ethernet	Integrated 10/100 Mbps Ethernet (100BaseT) RJ45 port

INPUT DEVICES

Keyboard	104-key
Mouse	2-button + wheel/button

TOUCH PANEL SUPPORT

AMX or Crestron support built-in

RACKMOUNT CHASSIS

H x W x D	3.5in x 19in x 16in (88.9mm x 482.6mm x 406.4mm)
Weight	22 lbs (9.9kg)
Shipping weight	36 lbs (16.3kg)

OPERATING RANGE

Temperature	32°F – 104°F (0°C – 40°C)
Humidity	10 – 90% non-condensing
Altitude	up to 10,000 feet (3,048m)

ELECTRICAL REQUIREMENTS

Input voltage	100-240 Vac, auto-ranging power supply
Line frequency	60-50 Hz
Power consumption	150/200 Watts typical

REGULATORY

United States	UL 60950 listed, FCC Class A
Canada	cUL CSA C22.2 No. 60950
International	CE Mark, CB Certificate and mark (All member countries), IEC 60950 compliant

SOFTWARE SUPPORT

OS	Microsoft Windows XP Professional or Windows 2000 Professional
Video and RGB	Included ControlPoint Software