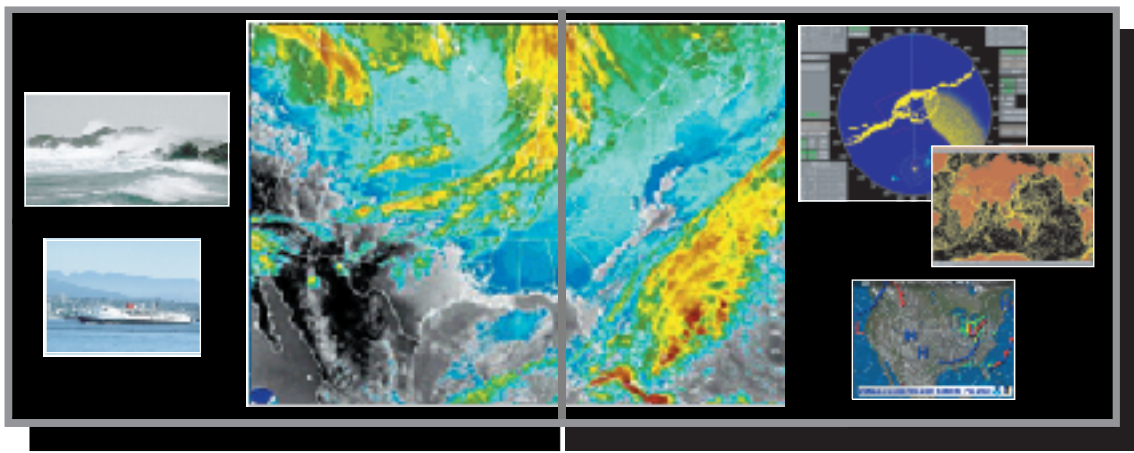


REAL TIME GRAPHICS AND VIDEO
ACROSS MULTIPLE PROJECTORS



SUPERWALL
Videowall Processors

Full Real-time
Performance,
up to 80 FPS

NTSC/PAL, S-Video,
Component Video
and Computer Inputs

Independent
Scaling, Positioning,
and Zooming
for Each Input

Up to 12 Inputs
per Screen

The SuperWall™ has been developed for applications where multiple graphics and video signals need to be displayed across an array of projector screens. The unique quality of the SuperWall is its ability to provide full, real time updates of all inputs, up to 80 frames/second, making the processor particularly well suited to mission critical environments.

The SuperWall is optimized for installations that use a small number of high performance projectors, such as a 1 x 2 to 1 x 4 and 2 x 2 arrays. It provides the capability to display up to 12 video and computer inputs per projector, and offers excellent video quality with output resolutions up to 1600 x 1200 pixels.

Inputs can be independently positioned and scaled under software control. Display configurations include side-by-side, picture-in-picture, and overlapping images. Inputs can be cropped, stretched, and zoomed to emphasize areas of particular interest. All inputs are displayed in real time with no degradation in update rate as images are added.

The SuperWall is powered by SuperView™ processor modules, one per projector. With update rates up to 80 frames/sec independent of the number of signal inputs, this architecture provides the fastest display response time of any videowall processor on the market. The SuperWall VCP software control package seamlessly handles the movement of images on the projector array, in windows, full screen, or straddling screens.

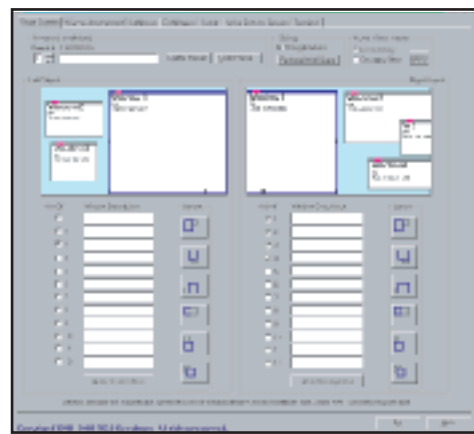
The processors can be adjusted precisely to meet the resolution requirements of any projector. An optional DVI output is available for devices that accept a direct digital signal.

Computer signals, NTSC/PAL composite, S-Video and Y, P_b, P_r inputs are accepted. In addition, a computer signal up to 1600 x 1200 pixels can be fed unprocessed into the background of any of the screens; a multi-headed PC graphics board can be used to generate a very high resolution image covering the entire wall.

Picture quality is truly outstanding.



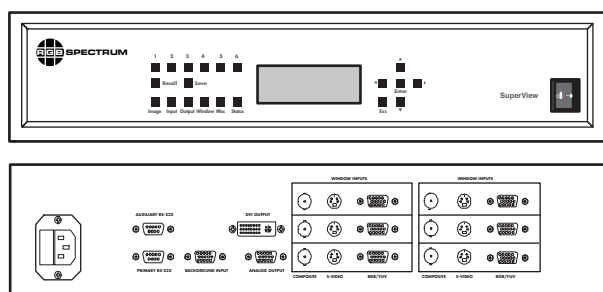
- Command Centers
- Control Rooms
- Conference Centers
- Presentation Rooms
- Network Operations Centers
- Trading Floors



SuperWall VCP Software

The SuperWall VCP software runs on PCs under Windows. It provides comprehensive control of the entire display wall, with easy point-and-click access to functionality.

The SuperWall/SuperView Module



Front & back panels for a 2RU box with 6 input channels

Specifications, per processor module

Input Signals

Number	2 to 12 RGB/video channels (factory configured)
Type	RGB: 640 x 480 to 1600 x 1200 pixels Video: NTSC/PAL composite, S-Video, Y P _b P _r component
Horizontal scan rate	15 kHz to 90 kHz interlaced or non-interlaced
Video levels	0.7 V to 1.0 V
Sync type	Sync on green, separate composite sync, or separate H-Drive and V-Drive
Connectors	RGB/Component: 15-pin HD D-Sub (female) Composite: BNC (female) S-Video: 4-pin mini DIN (female)
Image controls	Position, scaling, freeze frame, pan and zoom, brightness, contrast, saturation, hue, gamma, chroma key, motion filter

Background / Genlock Signal

Horizontal scan rate	15 kHz to 100 kHz interlaced or non-interlaced
Resolution	640 x 480 to 1600 x 1200 pixels
Video levels	0.7 V to 1.0 V
Sync type	Sync on green, separate composite sync, or separate H-Drive and V-Drive
Connectors	15-pin HD D-Sub (female)

Output Signal

Analog	Same as above, to 1600 x 1200
Digital	DVI, to 1280 x 1024 (option) For free run mode only
Genlock/Background mode	Locked to an external signal, which can be displayed in the background (option)
Free Run Mode	User configurable internally generated sync

Other

Control	(2) RS-232 serial ports Optional SuperWall VCP software Optional front panel
Power	100-264 VAC, 47-63 Hz Less than 100 Watts
Size	2 RU / up to 6 inputs 3 RU / up to 12 inputs Width 17.5" (44.5 cm) 17.5" (44.5 cm) Depth 18.0" (45.7 cm) 18.0" (45.7 cm) Height 3.5" (8.9 cm) 5.3" (13.3 cm)
Rackmount	2 RU / 3 RU rackmount kits available
Weight	Approximately 22 lbs. (10 kg.)

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