

Specification

Model Name	VS-L46XM70U
Display Device	TFT LCD(SPVA Mode)
Display Resolution	WXGA(1366 x 768 Pixels)
Viewable Image Size	46"(H:1018.4mm/V:572.5mm)
Brightness	700cd/m ² (Max.),500cd/m ² (Typ.)
Contrast Ratio	3000:1(Typ.)
Viewing Angle(H/V)	178Degree
Display Colors	16.7Million(8Bit)
Mullion(Total)	7.3mm
Back Light Operating Life	50000hrs
Optional Input Board Slot	x3
Control Signal Input	RS-232C:Dsub9
	LAN:RJ45(10BASE-T/100BASE-TX)
	Dsub9x2(IN/OUT)
	Mitsubishi Original Control Link
	Wired Remote: F3.5 Jack
IR Receiver	
Overlay Function	Max. 6 Windows per each screen
Control S/W(Optional)	Mitsubishi D-Wall Software Suite
Power Consumption	350W
Voltage Range	AC 100-240V±10%,50/60Hz±1Hz
Dimensions	1025.6mm(W)x579.8mm(H)x150mm(D)/40.3inch(W)x22.8inch(H)x5.9inch(D)
Operating Condition	5-35 C.Degree, 20-80% Humidity
Weight	30Kg/66lbs

Analog RGB input board (Option)

Model number	VC-B70G2	
Signal input terminal(Analog RGB)	5BNC x1, HD D-sub 15 pins x1	
RGB input scanning frequency	Signal resolutions	VGA(640 x 480) - WUXGA(1920 x 1200)
	Horizontal	31.5kHz - 92kHz
	Vertical	49Hz - 85Hz
Pixel clock rate	25MHz - 162MHz	
Functions	Image scaling(shrink and zoom) Frame rate conversion	

Digital RGB input board(Option)

Model number	VC-B70D2	
Signal input terminal(Digital RGB)	DVI-D x2	
RGB input scanning frequency	Signal resolutions	VGA(640 x 480) - WUXGA(1920 x 1200)
	Horizontal	31.5kHz - 92kHz
	Vertical	49Hz - 85Hz
Pixel clock rate	25MHz - 162MHz	
Signal format	TMD5	
Functions	Image scaling(shrink and zoom) Frame rate conversion	

Video input board(Option)

Model number	VC-B70V2
Signal input terminal(Analog Video)	3BNC x2
Analog video input signals	NTSC, NTSC4.43, PAL, PAL-M, PAL-N PAL-60, SECAM
Functions	Image scaling(shrink and zoom) Frame rate conversion

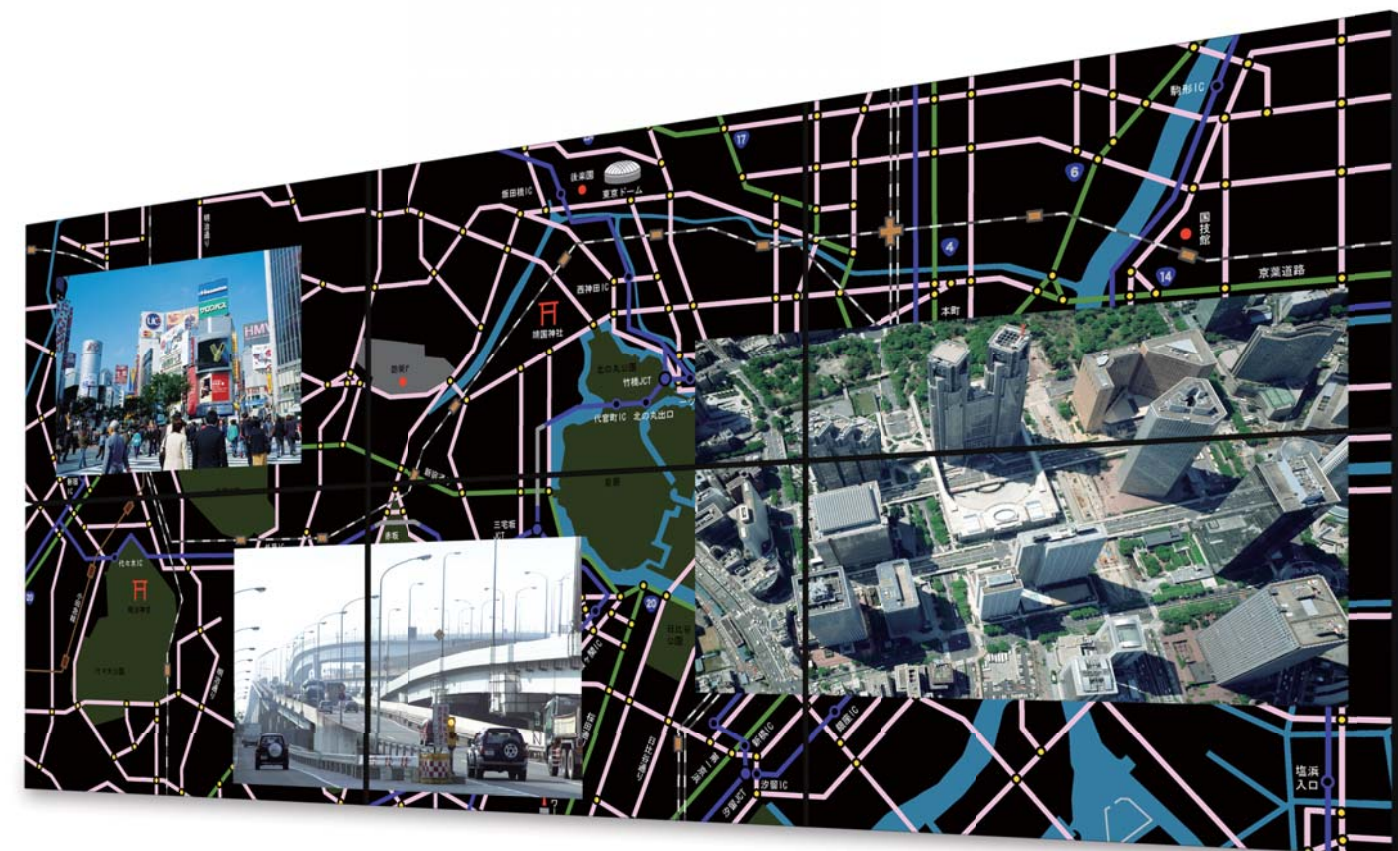
Daisy chain board(Option)

Model number	VC-B70DC	
Signal input terminal	Analog RGB: HD D-sub 15 pins x1	
	Digital RGB: DVI-D x1	
	Analog video: 3BNC x1	
Signal output terminal	Digital RGB: DVI-D x1(for daisy chain use only)	
RGB input scanning frequency	Signal resolutions	VGA(640 x 480) - WUXGA(1920 x 1200)
	Horizontal	31.5kHz - 92kHz
	Vertical	49Hz - 85Hz
Analog video input signals	NTSC, NTSC4.43, PAL, PAL-M, PAL-N PAL-60, SECAM	
Pixel clock rate	25MHz - 162MHz	
Functions	Image scaling(shrink and zoom) Frame rate conversion Daisy chain(Up to 16 cubes)	

SDI input board(Option)

Model number	VC-B70SD1
Signal input terminal	HD-SDI: BNC x1
Input signals	HD-SDI(SMPTE 292M)/SD-SDI(SMPTE 259M-C)
Signal output terminal	HD-SDI: BNC x1(for through output)
Gen Lock input terminal	BNC x1
Functions	Image scaling(shrink and zoom) Frame rate conversion through output

*At least one input board per single display is needed for operation.
*The specifications are tentative and will be changed without notices.




LCD Display Wall

Mitsubishi Electric LCD Display Wall System Solutions

The Mitsubishi Electric LCD Display Wall System is the ideal solution for small-and medium-sized control rooms that require high picture quality from displays used continuously for long periods of time.

It features an advanced technology system that provides intelligence, durability, redundancy and space savings.

We have extensive expertise in this field, including the installation of over 35,000 display wall cubes for mission-critical applications.

Combining a space-saving design and easy video/data integration using slot-in board processing, this display wall system is perfect for the following applications:

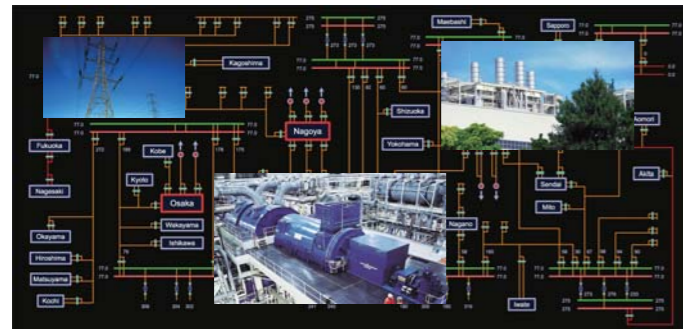
- >Traffic management
- >Security operations
- >Power distribution/
Water treatment management
- >Broadcasting

Internal processing

Built-in processor

Each display of the LCD Display Wall System is equipped with an internal data-processing function that allows up to three windows* of any size to be displayed on a single panel, a series of panels or across the entire wall without the use of an external processor. If the background image is not activated, up to six windows per panel can be displayed using the Picture-in-Picture (P-in-P) function. Install Mitsubishi Electric's D-Wall software suite and the entire imaging system can be controlled intuitively from a user-friendly graphical user interface.

* When background (desktop) image is activated.



Redundancy

Smart Switch

The LCD Display Wall System is also equipped with a "Smart Switch". This signal source control function provides the redundancy necessary for mission-critical applications that require continuous operation. If the signal is unexpectedly lost, the signal source is automatically switched to an alternative device (either "port-to-port" or "board-to-board") within seconds of detecting the 'no signal' status. As a result, user downtime is minimized in the event of a signal source failure.

Front access for easy service

When used in combination with Mitsubishi Electric's original optional wall mount kit, LCD panels can be accessed from the front-side of the system. This design makes it possible for panels to be serviced from the front as well as the rear.

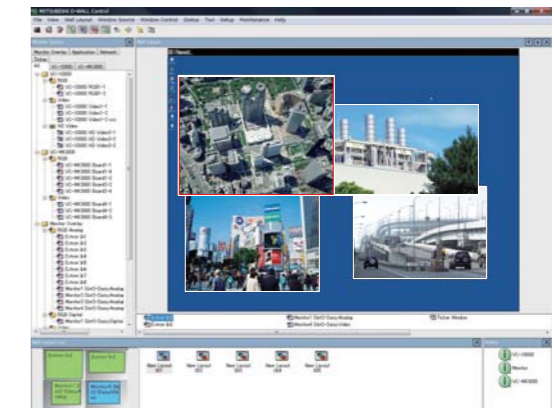
Space-saving design

LCD displays can be serviced from both the front and rear, eliminating the need of reserving space on the backside for maintenance. This is an excellent space-saving feature for control rooms where space is limited.

User-friendly graphical user interface

"D-Wall", a software suite developed by Mitsubishi Electric, is available for LCD Wall System. The software was originally created for use with the display wall cube and processor, and has been continuously modified and upgraded.

In addition to basic functions such as wall configuration support, display layout control, and brightness and color control, the following functions for control room use have been incorporated into the latest version.



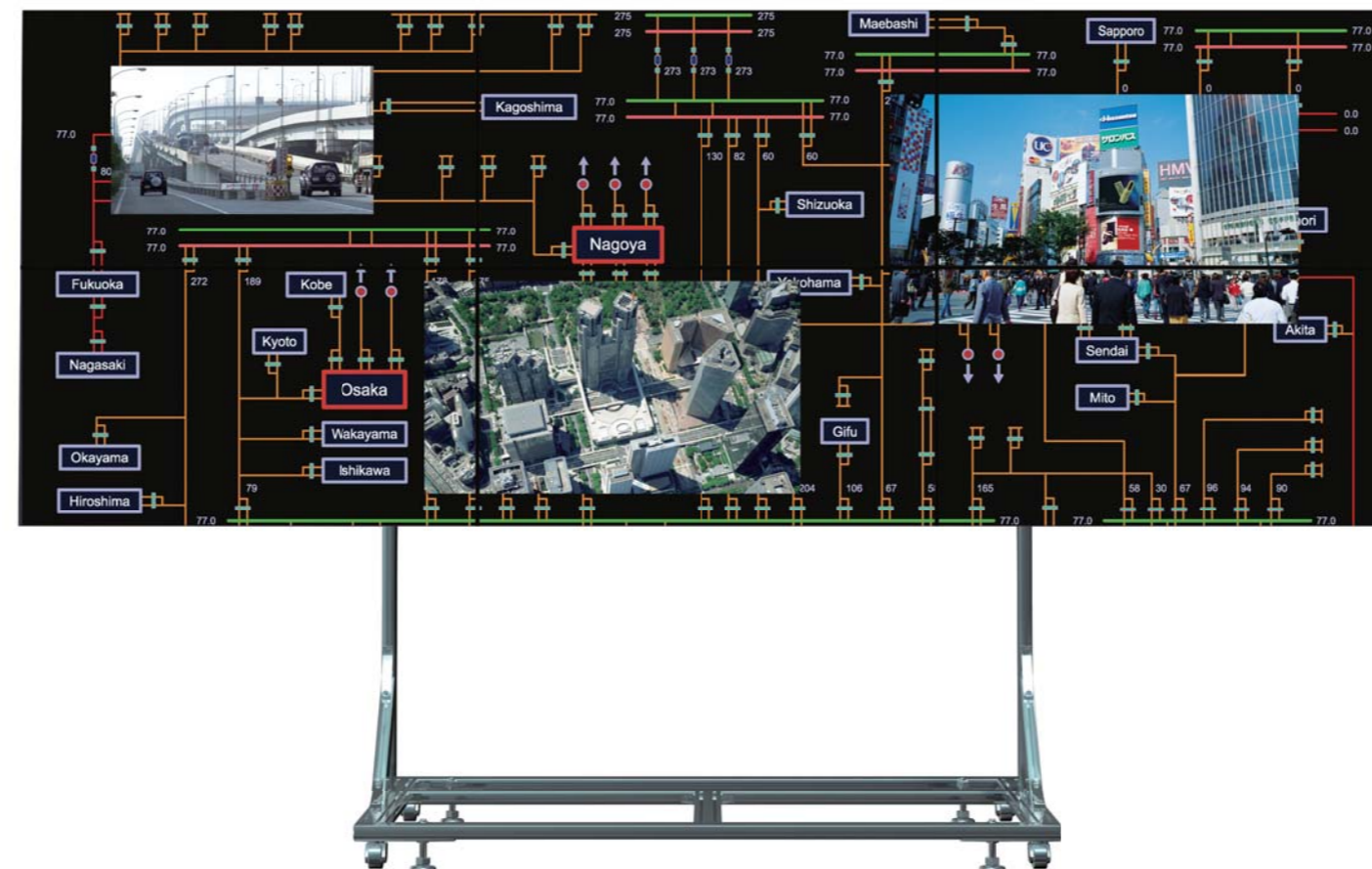
High picture quality over the entire wall

Digital gradation circuit

Mitsubishi Electric's innovative digital gradation circuit provides uniform brightness distribution across the screen, resulting in the reproduction of sharp, vivid images from edge to edge on multi-screen configurations. This virtually eliminates the problem of decreased brightness at the edges of each screen.

Color space control

Our LCD displays are equipped with an innovative digital color space control circuit developed in-house. The circuit works to balance and blend colors, compensating for the color and brightness discrepancies among LCD displays.



Remote multi-mouse cursor application control

When being operated under a client-server configuration, multiple users (clients) can simultaneously navigate applications using their dedicated mouse. Individual cursors, color-coded for each mouse, are shown on the display wall, and all clients can control applications on the server. This function simultaneously enables more efficient control room operation and room layout flexibility.

Alert message utility

This information function displays alerts and notices on the wall, supporting teamwork in the control room.

System monitoring

This management function constantly monitors key operating parameters of the LCD Wall System such as the status of cooling fans and temperature inside the displays. The information for each display is displayed via the GUI.

Multilingual interface

The D-wall software suite is available in multiple languages.