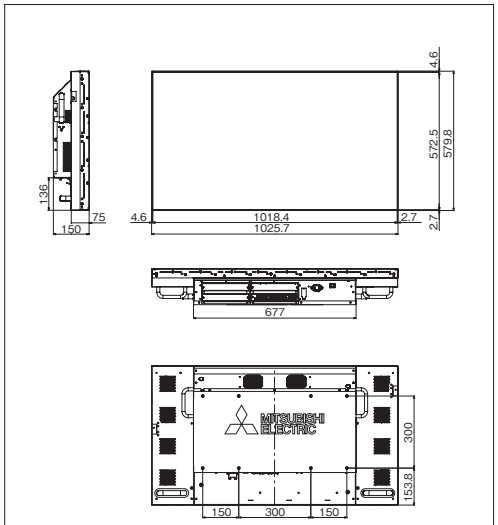
Specification

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/m²(Typ.)@Bright Mode
	500cd/m²(Typ.)@Normal Mode
	350cd/m²(Typ.)@Eco Mode
Contrast Ratio	3000:1(Typ.)
Viewing Angle(H/V)	178Degree
Display Colours	16.7Million
Mullion(Total)	7.3mm(Typ.)/8.3mm(Typ.)*
Back Light Operating Life	50000hrs(Average)
Optional Input Board Slot	x3
Control Signal Input	RS-232C: Dsub9 LAN: RJ45(10BASE-T/100BASE-TX)
	Dsub 9 x 2(IN/OUT)
	Mitsubishi Original Control Link
	Wired Remote: F3.5 Jack
	IR Receiver(Option)
Overlay Function	Max. 6 Windows per each screen
Control S/W(Option)	Mitsubishi D-Wall Software Suite
Power Consumption	255W(Typ.)@Bright Mode
	205W(Typ.)@Normal Mode
	175W(Typ.)@Eco Mode
Voltage Range	AC100-240V±10%,50/60Hz±1Hz
Dimensions	1025.7mm(W) x 579.8mm(H) x 150mm(D) 40.4inch(W) x 22.8inch(H) x 5.9inch(D)
Operating Condition	5-35C.Degree@Normal/Eco Mode 5-30C.Degree@Bright Mode
Weight	30Kg/66lbs

*When using with Wall Mount Frame BR-XM70KK(option).



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		TMDS
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-sub15pins x1
		Digital RGB: DVI-D x1
		Analog video: 3BNC x1
Signal output terminal		Digital RGB: DVI-D x 1(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	3G-SDI (SMPTE424M): 1080p@50/59.94/60Hz
	HD-SDI (SMPTE292M): 1080i@50/59.94/60Hz, 720p@50/59.94/60Hz
	SD-SDI (SMPTE259-C): 480i@59.94Hz,576i@50Hz
Signal output terminal	HD-SDI: BNC x1(for through output)
Gen Lock input termninal	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.
*These specifications are tentative and can be changed without notice.

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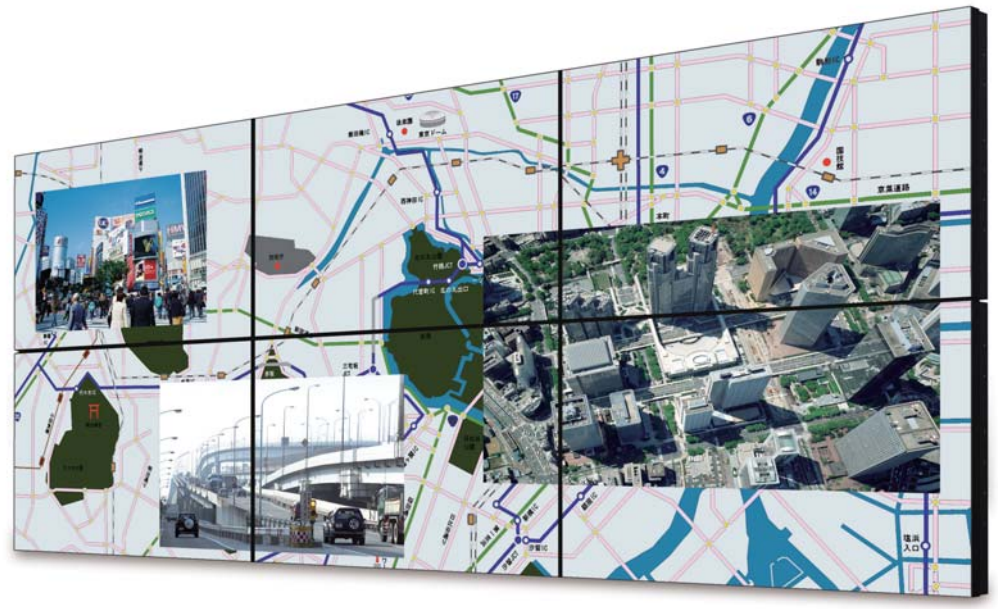
Changes for the Better

Display Wall



70 Seventy Series:FLAT

LCD Display Wall

FLAT LCD Screen

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**

7.3mm mullion (total)

Super narrow 7.3mm mullion minimises the image content loss, which is critical for command and control room usage.

High picture quality over the entire wall

Digital Gradation Circuit (DGC)

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.


Without "Digital Gradation Circuit"


With "Digital Gradation Circuit"

Colour Space Control (CSC)

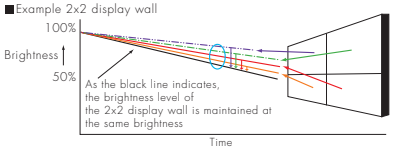
Our LCD displays are equipped with an innovative digital colour space control circuit developed in-house. The circuit works to balance and blend colours, compensating for colour and brightness discrepancies between LCD displays.


Without "Colour Space Control"


With "Colour Space Control"

Dynamic Brightness Balancing (DBB)

With a built-in brightness sensor, the Dynamic Brightness Balancing circuit keeps the display wall brightness uniform over the period of operation by communicating the measured brightness data every 2 seconds.



Internal processing

Built-in processor

Each display in the LCD Display Wall System is equipped with an internal data-processing function that allows for showing up to six seperate windows per panel, and up to three windows placed in any size and position across the entire display wall (when using the daisy chain 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.

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 minimised in the event of a signal source failure.

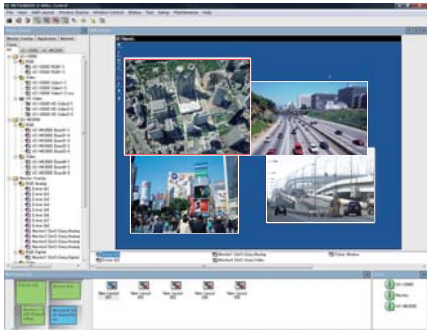
Front access for easy service

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

D-WALL

User-friendly graphical user interface (Optional)

"D-Wall", a software suite developed by Mitsubishi Electric, is available for the LCD Wall System. The software was originally created for use with the display wall cubes and processor and has since been continuously modified and upgraded.
In addition to basic functions such as wall configuration support, display layout control, and brightness and colour control, the following functions for control room use have been incorporated into the latest version.



Remote multi-mouse cursor application control

When operated under a client-server configuration, multiple users (clients) can simultaneously navigate applications using their dedicated mouse. Individual cursors, colour-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 aceesible via the GUI.

Multilingual interface

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