



Ultra slim 46" display wall model



Brighter display solutions



Ultra slim lcd display wall

Complementing Mitsubishi's Seventy Series display wall range is the new Ultra Slim 46" display wall system, suitable for a number of installations they have been designed specifically for small to medium sized control rooms that require a high quality display solution for continual use.

Mitsubishi's extensive engineering experience includes the installation of over 35,000 display wall solutions within mission critical applications. The latest addition to the Display Engineering range, the VS-L46XM70U, provides a space saving solution that features video/data integration, making it ideal for:

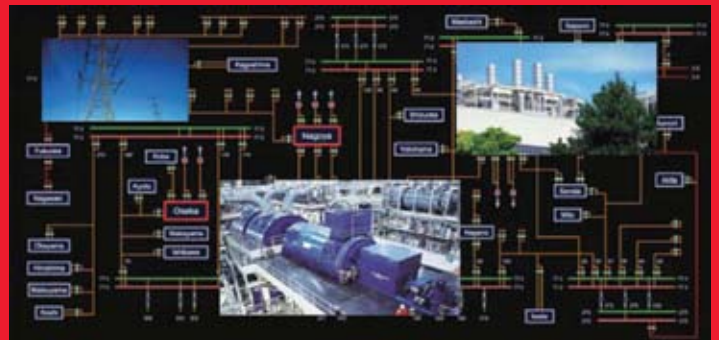
- Traffic management
- Security operations
- Power distribution
- Water treatment management
- Broadcasting
- Public display

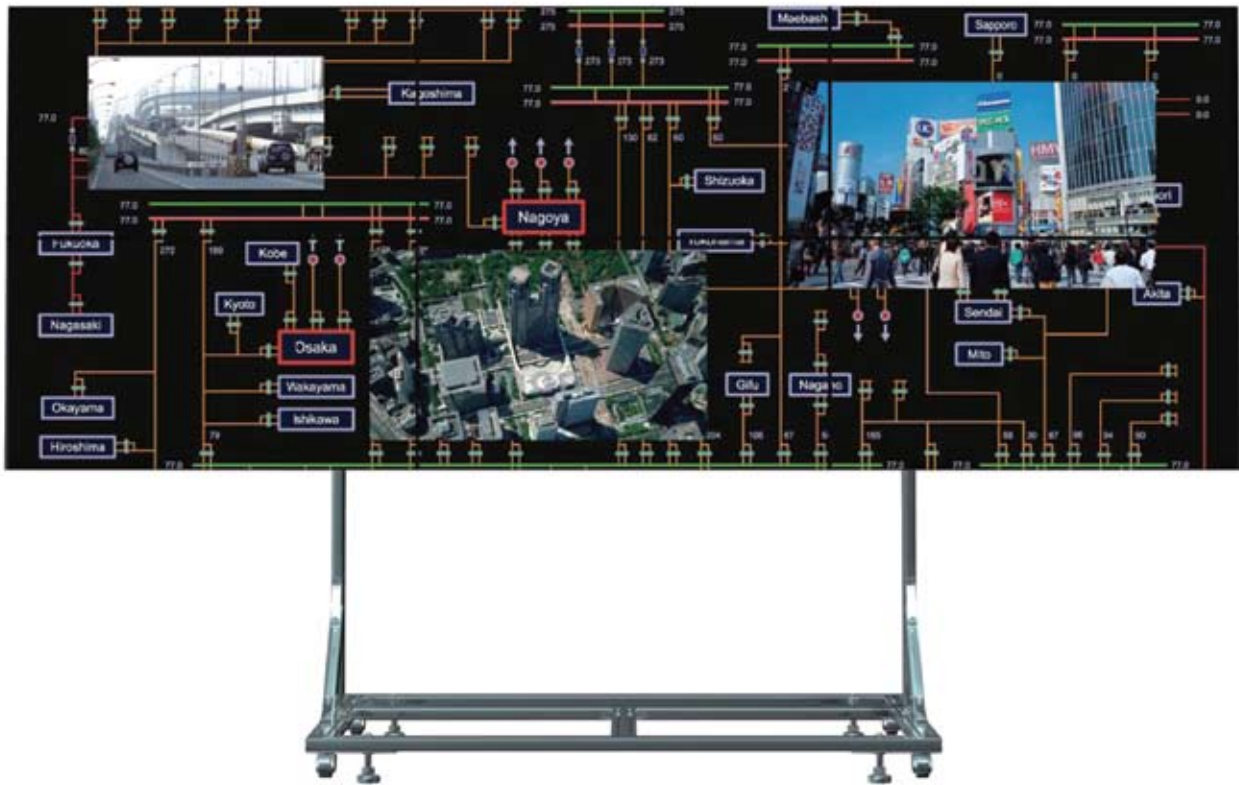
As part of the Seventy Series range the new Ultra Slim 46" benefits from many of its unique features including:

Internal processing

Each display 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.

* When background (desktop) image is activated.





High picture quality

Digital Gradation Circuit

By utilising Mitsubishi's innovative digital gradation circuit, reduced brightness at screen edges is no longer a problem as even edge to edge brightness distribution is ensured, providing accurate image reproduction of sharp vivid images across a single or multi-screen configuration.

Colour space control

The digital Colour Space Control (CSC) circuit was developed by Mitsubishi for balancing and blending colours in order to compensate for the colour and brightness discrepancies across multiple display wall cubes caused by lamp degradation. The CSC circuit takes measurements of the light output on each cube every two seconds and shares the information with all the displays in the video wall. Each display is automatically adjusted to maintain uniformity.

Redundancy

Smart Switch

The Seventy Series features a Smart Switch function to deliver the signal redundancy necessary for mission critical applications. If an input signal unexpectedly fails, the display can automatically switch to an alternative operational signal (either "port to port" or "board to board").

Front Access for easy maintenance

When used in combination with Mitsubishi Electric's original optional wall mount kit, 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 and also helps with space saving issues.

Easy to use graphical interface

"D-Wall", is a software solution developed by Mitsubishi Electric. Originally created for use with our display wall systems it has been continuously modified and upgraded, in addition to basic functions such as wall configuration support, display layout control, brightness and colour control, the following functions that are a priority for control rooms have been included into the latest version including multilingual HMI:

- **Remote application control**

Utilising 'client-server configuration' multiple users can simultaneously navigate the display using a dedicated mouse. Individual colour coded cursors for each mouse shown on the LCD displays enables users to control various applications on the server, for a more efficient control room operation.

- **Note utility**

This communication function ensures that important alerts and notices are displayed on the LCD.

- **Systemy monitoring**

The system monitoring function constantly monitors key operating parameters of the LCD Display Wall System, including the status of cooling fans and the temperature of the displays.

Brighter display solutions

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 Colours	16.7Million(8Bit)
Mullion (Total)	7.3m m
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	AC100-240V±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)	5 BNC 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)	3 BNC x2
Analog video input signals	NTSC, NTSC4.43, PAL, PAL-M, PAL-N PAL-60, SECA M
Functions	Image scaling (shrink and zoom) Frame rate conversion

Daisy chain board (Option)

Model number	VC-B70DC	
	Analog RGB: HD D-sub15pins x1	
Signal input terminal	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, SECA M	
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.