

## LCD Display Wall [LM55P2]



# Clear, Vivid Images At All Times

Combine multiple HD monitors with innovative 3.5mm bezel design to yield a larger display of 4K or higher resolution

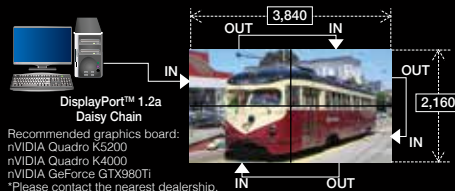
**NEW** Full high-definition monitor with near-seamless, ultra-thin 3.5mm bezel

Our ultra-thin 3.5mm bezels can produce multiple display images that are virtually seamless with gridlines that are almost invisible.



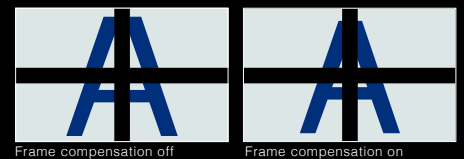
**NEW** Achieve 4K Resolution with DisplayPort™ 1.2a through a simple 2x2 configuration

Using DisplayPort™ 1.2a, easily configure four LM55P2 monitors in a 2x2 format via daisy-chain connection to achieve a 4K display (3,840 x 2,160) with stunning colors and clarity.



**Tiling compatibility with frame compensation**

Frame compensation supports up to 25 displays in 5x5 configuration to avoid image distortion at the seams, ensuring image accuracy when spread across multiple screen displays.

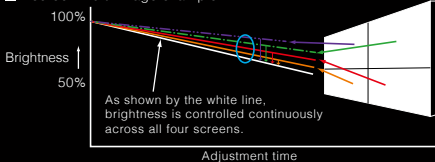


### Advanced Control Room Solution

**NEW** Dynamic brightness balance ensures uniformity over the life of your display wall

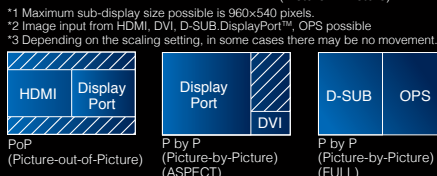
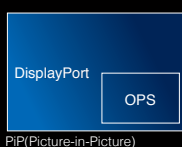
Mitsubishi Electric pioneered and developed Multi-Vision balancing technology and incorporates in all display walls, ensuring internal sensors and inter-screen communication functions work harmoniously to enable uniform brightness and balanced displays across multiple screens.

■ 4-screen multi-image example



**NEW** Picture-in-Picture feature allows quick access to auxiliary displays through screen layering

Two images can be easily layered and displayed on a single screen, with the sub-display movable to a user-desired location allowing optimal display of both screens.



**NEW** Supports OPS-standard computers for control and reproduction of clear, vivid images for various applications

Each LM55P2 features an optional slot for Intel® OPS computer, enabling easy integration in digital signage applications. The new VC-LM1HD optional OPS module supports HDCP long-distance signal transmission, up to 100 meters or 328 feet with CAT6(STP) cables.

Recommended computer: ARK-D5262GB-U5A1E (500GB HDD, Windows Embedded Standard 7 (64bit) Advantech Co., Ltd.) OPS883-H-17NP HD320M8WES864E (Axiomtek Co., Ltd.) \*Please contact the nearest dealership.



\*1 Maximum sub-display size possible is 960x540 pixels.  
\*2 Image input from HDMI, DVI, D-SUB, DisplayPort™. OPS possible.  
\*3 Depending on the scaling setting, in some cases there may be no movement.

## Specifications

Model		LM55P2
Dimensions		
		Unit: mm
Dimensions (W x H x D) <sup>1</sup>		1213.5x684.3x129mm (47.8x26.9x5.1")
Screen surface treatment		Anti-glare (Haze 44%, Hard-coating)
Mullion size (Total)		Bezel-to-Bezel 3.5mm (Typ.) / Active Display-to-Active Display 3.9mm (Typ.)
Display resolution		Full HD (1920 x 1080 pixels)
Viewable image size		55" (H: 1209.6mm, V: 680.4mm)
Backlight technology		LED (Direct)
Viewing angle (H/V)		178deg (CR>10)
Display orientation		Landscape / Portrait
Brightness		700cd/m <sup>2</sup> (Typ., High Bright mode) 500cd/m <sup>2</sup> (Typ., Standard mode)
Contrast ratio		3,500:1 (Typ.)
Display colors		16.7 million
Input connectors	Video	DVI-D (with HDCP) x 1, HDMI x 1, DisplayPort™ (1.2a) x 1, D-sub15 x 1, Composite (BNC Y: shared with component video) x 1, Component (YPbPr) <BNC> x 1
	Audio	—
	Control	RS-232C x 1, ø3.5mm stereo mini jack x 1, LAN control (RJ-45) x 1 <sup>2</sup>
Output connectors	Video	DVI-D (with HDCP), DisplayPort™ (1.2a)
	Audio	—
	Control	RS-232C x 1, ø3.5mm stereo mini jack x 1
Signal frequency	Analog	H: 15.625/15.734/31.5-91.1KHz, V: 58-85Hz, Pixel clock: 25-165MHz
	Digital	H: 31.5-91.1KHz, V: 58-85Hz, Pixel clock: 25-165MHz
OPS <sup>3</sup>		Intel® OPS slot x1
Power consumption		200W (Typ., High Bright mode) 170W (Typ., Standard mode)
Voltage range		100-240VAC±10%
Weight		35kg(77lbs)
Operating environment		5-35°C (41-95°F) 20-80% relative humidity

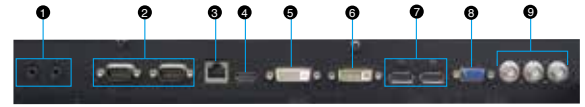
<sup>1</sup> Specifications are design figures only and do not include the space between displays. When using BR- LM1KK, an additional gap of 1mm is required. B-to-B: Bezel-to-Bezel, A-to-A: Active-to-Active

<sup>2</sup> When using a LAN system for all screens, the Dynamic Brightness balance function may not work.

<sup>3</sup> OPS is a controller module and slot standard for digital signage produced by Intel® Corporation.

<sup>4</sup> A power cord is not included with the main unit.

## Connector Terminals



- ① Remote controller connector
- ② RS-232C connector (D-SUB 9-pin)
- ③ LAN connector
- ④ HDMI in
- ⑤ DVI-D in
- ⑥ DVI-D out
- ⑦ DISPLAYPORT in/out
- ⑧ D-SUB in
- ⑨ YPbPr/VIDEO in
- ⑩ OPS slot

## Other Features

- Color Space Control
- Programmable Scheduling
- Power-on Delay
- Auto ID
- Digital Zoom
- Screensaver
- Closed Caption
- SDI Connection (Option)

### ■ Color Calibration for Multi-screen Applications (Option)

With the i1DisplayPro color calibration tool from X-Rite and the LM Calibrator program, white-point, brightness and Gamma can easily be adjusted to ensure color and brightness uniformity across all panels in the display wall.

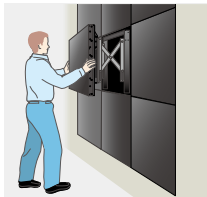
## Options

**BR-LM1KK**  
Front-access wall mount bracket



### Optional Front-access Wall Mount Bracket

Exclusively designed for Mitsubishi LCD panels, the BR-LM1KK wall mount allow each panel to be easily accessed from the front of the display, making service and maintenance simple in either landscape or portrait installations.



**DP-01RK**  
Remote controller with an IR sensor cable



**DP-1SDI-3G**  
3G SDI Board



**VC-LM1HD**  
Long-distance transmission supporting HDCP via a CAT6(STP) cable is possible.




for a greener tomorrow

Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.



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