

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 produce multiple display images that are virtually seamless with gridlines that are almost invisible.

* The minimum design value is 3.5mm; however, depending on the product and installation conditions, the joint width may be larger than 3.5mm.

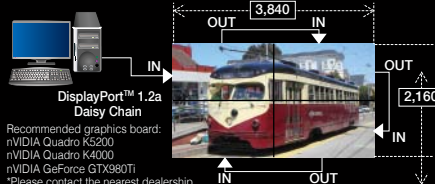
Approx. 3.5mm minimum



NEW

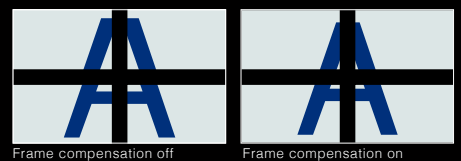
Achieve 4K Resolution with DisplayPort™ 1.2a through a simple 2x2 configuration

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.



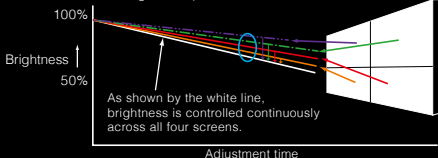
Advanced Control Room Solution

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.

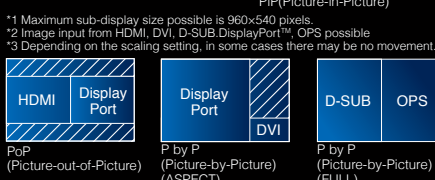
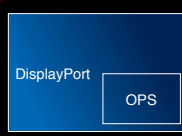
■ 4-screen multi-image example



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

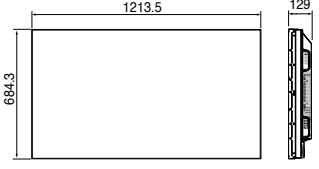
Supports OPS-standard computers for control and reproduction of clear, vivid images for various applications

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-DS262GB-U5A1E (500GB HDD, Windows Embedded Standard 7 (64bit) Advantech Co., Ltd.)
OPS883-H-17NP HD320MBWES864E (Axiomtek Co., Ltd.)
*Please contact the nearest dealership.



Specifications

Model		LM55P2
Dimensions		 <p style="text-align: right;">Unit: mm</p>
Dimensions (W x H x D) ¹		1213.5x684.3x129mm (47.8x26.9x5.1")
Screen surface treatment		Anti-glare (Haze 44%, Hard-coating)
Mullion size (Total)		B-to-B 3.5mm (Typ.) / A-to-A 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 ² (Typ., High Bright mode) 500cd/m ² (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 ²
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 ³	Intel® OPS slot x 1	
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	

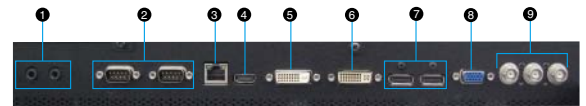
¹ Specifications are design figures only and do not include the space between displays. When using BR-LM1KK, an additional gap of 1mm is required. B-to-B: Bezel-to-Bezel, A-to-A: Active-to-Active

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

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

⁴ 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

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

■ 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

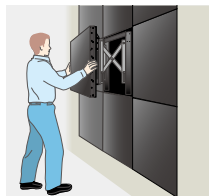
BR-LM1KK

Front-access wall mount bracket



Optional Front-access Wall Mount Bracket

Exclusively designed for Mitsubishi LCD panels, the BR-LM1KK wall mount allows 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.



MITSUBISHI ELECTRIC CORPORATION

HEAD OFFICE: TOKYO BLDG., 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN
www.MitsubishiElectric.com/bu/displaywall

- LCD technology is susceptible to image persistence when showing the same static image for long periods of time.
- Service parts for this product are only stocked for five years after model production is discontinued.
- Repairs or exchanges related to the deterioration of LCD due to continuous operation and panel aging, such as brightness or color changes, after-image retention or burn-in and the like, are not covered under warranty. These may require additional service fees to rectify.
- HDMI, the HDMI logo and High-Definition MultiMedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.
- Intel® is a registered trademark of Intel Corporation in the U.S. and other countries.
- DisplayPort™ is a trademark of the Video Electronics Standards Association, registered in the U.S. and other countries.
- All information contained herein is subject to change without prior notice.
- Other brand, product, and service names are trademarks or registered trademarks of the respective companies.
- Product appearance in this brochure does not imply that Mitsubishi Electric Corporation intends to make it available in all countries where the company and its subsidiaries operate.
- Photographs are simulated images.