Specifications

Model	LM55P2A	LM55P2V
Dimensions	1213.5 / 684.3 / 129 Unit: mm	1213.5 / 684.3 / 129 Unit: mm
Dimensions(W x H x D) [*1]	1213.5x684.3x129mm (47.8x26.9x5.1")	1213.5x684.3x129mm (47.8x26.9x5.1")
Screen surface treatment	Anti-glare (Haze 25%, 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)	178 deg(CR>10)(Typ.)	
Display orientation	Landscape / Portrait	
Brightness	700cd/m² (Typ., High Bright mode) 500cd/m² (Typ., Standard mode)	500cd/m² (Typ., High Bright mode) 350cd/m² (Typ., Standard mode)
Contrast ratio	4,000:1 (Typ)	
Display colors	16.7million	
Input connecors — Video	DVI-D (with HDCP) x1, HDMI x 1, DisplayPort™ (1.2a) x1, D-sub 15 x 1, Composit (BNC Y: shared with component video) x 1, Component (YPbPr)<BNC> x 1	
Input connecors — Audio	-	
Input connecors — 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) x1, DisplayPort™ (1.2a) x1,	
Output connectors — Audio	-	
Output connectors — 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	
Signal frequency — Digital	H: 31.5-91.1KHz, V: 58-85Hz, Pixel clock: 25-165MHz	
OPS [*3]	Intel®OPS slot x 1	
Power consumption	240W (Typ., High bright mode) 200W (Typ., Standard mode)	170W(Typ.,High bright mode) 150W(Typ.,Standard mode)
Voltage range	100-240VAC±10%, 50/60Hz±1Hz	
Weight	32.5kg(72lbs)(TBD)	
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
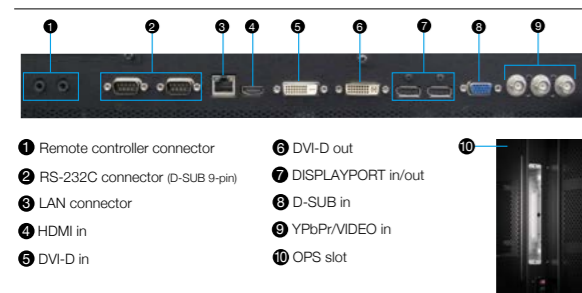
❶ ❷ ❸❹ ❺ ❻ ❼ ❽ ❾

❶ Remote controller connector
❷ RS-232C connector (D-SUB 9-pin)
❸ LAN connector
❹ HDMI in
❺ DVI-D in
❻ DVI-D out
❼ DISPLAYPORT in/out
❽ D-SUB in
❾ YPbPr/VIDEO in
❿ OPS slot

Options

BR-LM1KK
Front-access wall mount bracket

DP-01RK
Remote controller
with an IR sensor cable

IR sensor cable

DP-1SDI-3G
3G SDI Board

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

■ LCD technology is susceptible to imagine 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.
■ 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.
■ DisplayPortTM 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.
■ Screen displays of the photographs in this brochure are simulated images only.
■ 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.
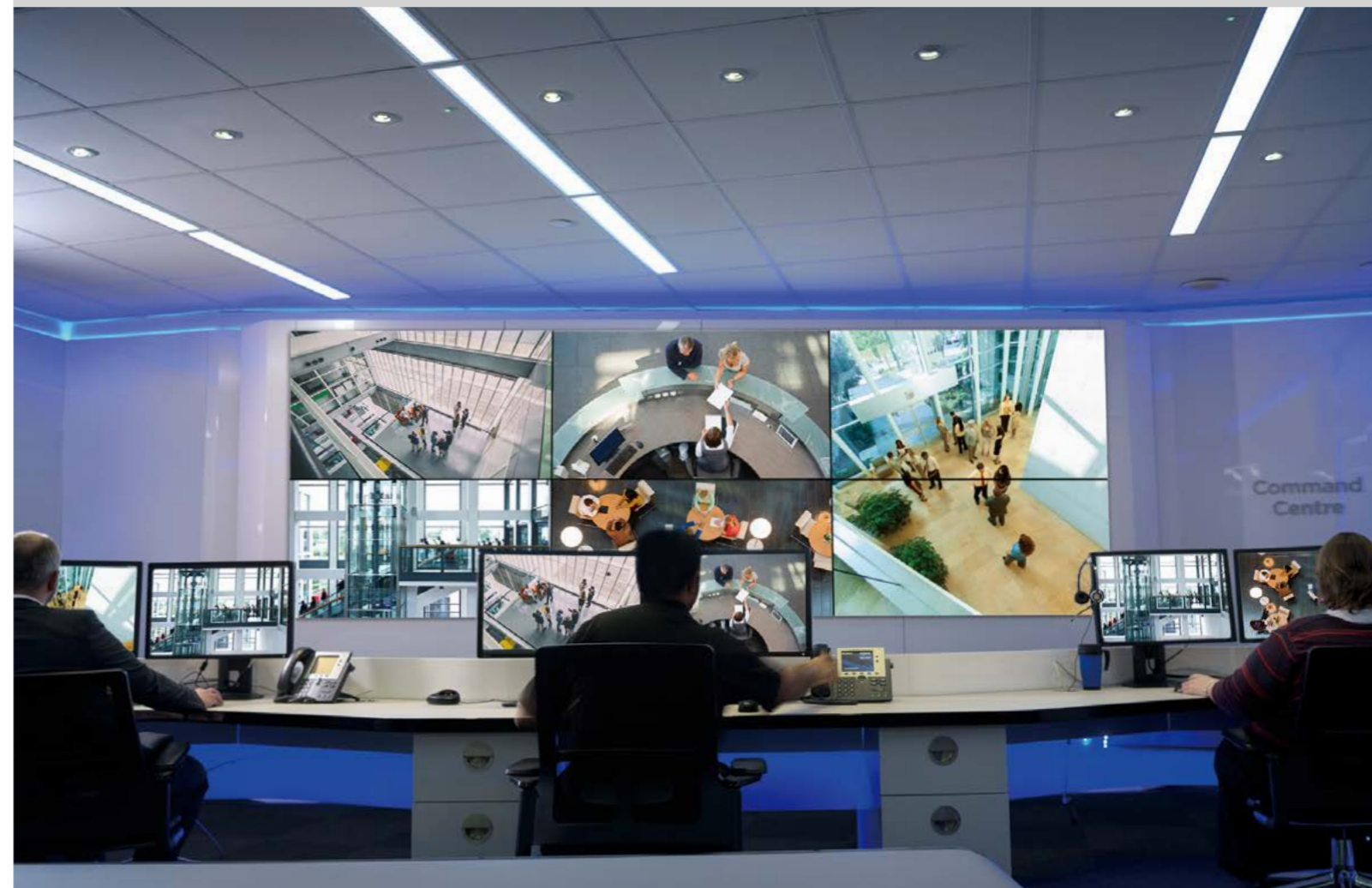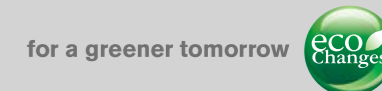■ HD Base TTM is a registered trademark of HD Base T Alliance.

MITSUBISHI ELECTRIC
Changes for the Better

for a greener tomorrow

LCD Video Wall

Model: LM55P2A / LM55P2V

High Definition. High Contrast. Ultra narrow bezels smoothly integrate into multi-screen applications creating virtually seamless images.

Welcome
Design and build your dream
we just make it work

CAM 1871F

CAM 2781H

CAM 2268T

CAM 3193L

15:32:10

Evolving large-screen imaging systems for today's visual information society.
Mitsubishi Electric multi-screen displays contribute to ensuring the smooth flow of information
in public spaces such as airports and train stations as well as command and control centers and corporate offices.

Full high-definition monitor with near-seamless, ultra-thin 3.5mm bezel
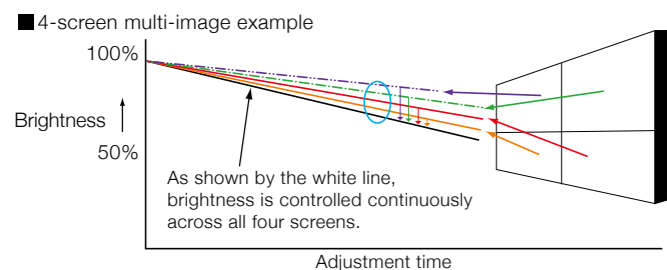
Our ultra-thin 3.5mm bezels produce multiple display images that are virtually seamless with gridlines that are almost invisible.

*The minimum design value is 3.5mm; however, depending on the product and installation conditions, the joint width may be larger than 3.5mm.
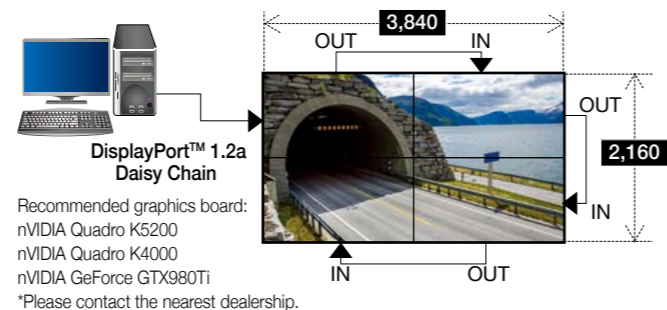
Approx. 3.5mm minimum
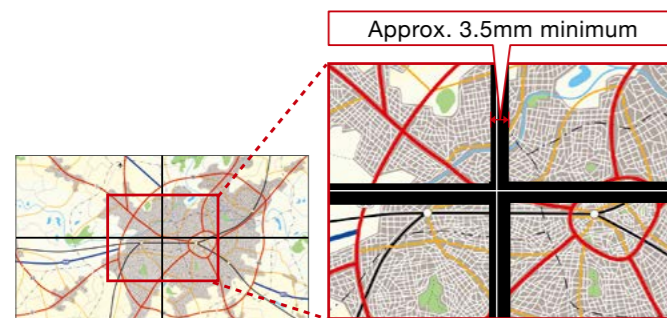
Dynamic brightness balance ensures uniformity over the life of your video wall

Mitsubishi Electric pioneered and developed Multi-Vision balancing technology and incorporates in all video walls, ensuring internal sensors and inter-screen communication functions work harmoniously to enable uniform brightness and balanced displays across multiple screensVivid images from edge to edge on multi-screen configurations. This virtually eliminates the problem of decreased brightness at the edges of each screen.

■ 4-screen multi-image example

Brightness
100%
50%

As shown by the white line, brightness is controlled continuously across all four screens.

Adjustment time

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

Using DisplayPort 1.2a, easily configure four LM55P2A and LM55P2V monitors in a 2x2 format via daisy-chain connection to achieve a 4K display (3,840 x 2,160) with stunning colors and clarity.

3,840
OUT   IN
OUT
2,160
IN
IN   OUT

DisplayPort™ 1.2a Daisy Chain

Recommended graphics board:
nVIDIA Quadro K5200
nVIDIA Quadro K4000
nVIDIA GeForce GTX980Ti
*Please contact the nearest dealership.

Equipped with Intel® OPS Slot

LM55P2A and LM55P2V are equipped with an Open Pluggable Specification (OPS) slot. Simply install the optional computer board* to expand the scope of applications. A variety of peripheral equipment can be connected quickly and easily.

The VC-LM1HD optional OPS module supports HDCP long distance signal transmission, up to 100 meters or 328 feet with CAT6(STP) cables.

Recommended computer:
*DS280GB1701E-T is product of Advantech, Co., Ltd.
 Please contact the nearest dealership.

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.

Frame compensation off   Frame compensation on
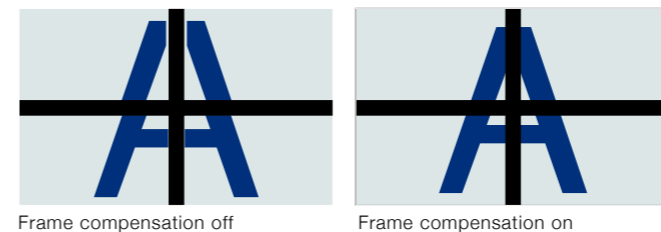
Full HD, LED-backlit LCD Panels with Ultra-narrow Bezel

Commercial-grade LED-backlit panels with high brightness and contrast. The panels also feature a ultra-narrow bezel that minimises image content loss, a critical factor in multi-screen applications.
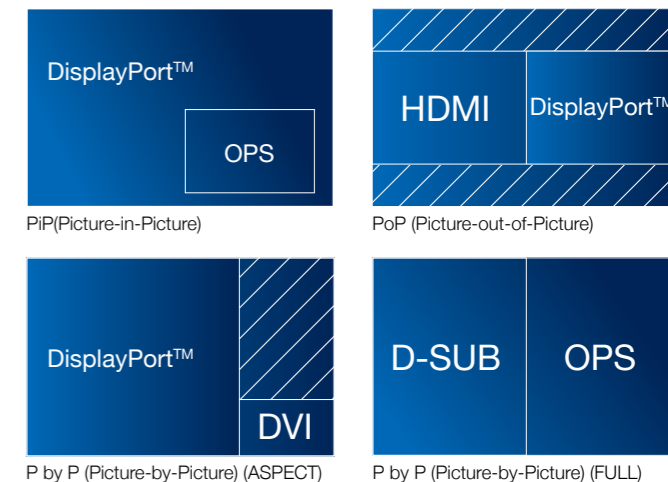
Optional Front-access Wall Mount Bracket

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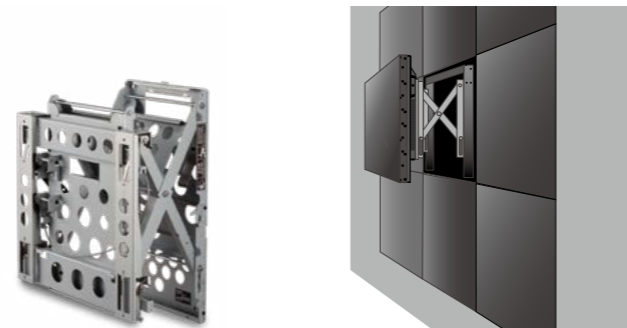
Picture-in-Picture feature allows quick access to auxiliary displays through screen layering

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

DisplayPort™
OPS
PiP(Picture-in-Picture)

HDMI   DisplayPort™
PoP (Picture-out-of-Picture)

DisplayPort™
DVI
P by P (Picture-by-Picture) (ASPECT)

D-SUB   OPS
P by P (Picture-by-Picture) (FULL)

*1 Maximum sub-display size possible is 960×540 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.

Applications

Security control room
Emergency operating centers
Small control rooms
Corporate lobby
Board rooms
High-end digital signage