



## Ideal for Space and Budget Sensitive Command & Control Applications with Performance Suitable for Digital Signage

### Full HD, LED-backlit LCD Panels

Commercial-grade, direct LED-backlit panels built with a super-narrow bezel that minimizes content loss, a critical factor in multi-screen applications.

### Digital Gradation Circuit

Our innovative digital gradation circuit provides uniform brightness distribution across the screen, resulting in 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

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

Utilizing Mitsubishi Electric's original color calibration software, the white point, brightness and gamma can be adjusted to ensure matching between adjacent panels.



without Color Calibration



with Color Calibration

### Additional Features

**OPS Slot** - Open Pluggable Specification compatibility allows use of a personal computer card, 3G-SDI, and other OPS compatible input options, thus enabling a wider scope of applications.

**AMX/Crestron Compatible** - Control commands can be sent from a computer or external controller via the LAN network to enable setting changes and remote diagnostics of multiple displays for efficient, centralized management.

**DVI Digital Daisy Chain** - Used with a DVI-D output terminal, fully HDCP compliant daisy-chain connection can link up to 4 monitors and realize a true digital display.

- PIP, POP and Side-by-side
- Digital Zoom
- SDI Connection (Option)
- Programmable Scheduling
- Screen-saver
- Power-on Delay
- LAN Control
- Display Port
- Built-in Speakers
- Remote Control (Option)
- Closed Caption

### Tiling Compatibility with Frame Compensation

Works in configurations of up to 25 panels (5 wide x 5 high). Adjust for the panel bezel width enabling the display of extremely accurate images spanning across multiple screens.



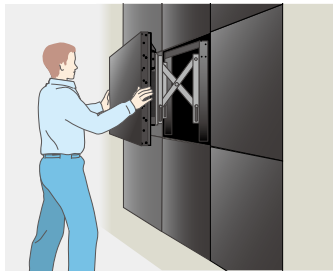
Frame Compensation off



Frame Compensation on

## Optional Front-access Wall Mount (BR-LM1KK)

When used with Mitsubishi's original wall mount kit, Mitsubishi super narrow bezel LCD panels can be accessed from the front-side of the display wall, facilitating easy servicing of panels either from the front or rear (possible in both landscape and portrait orientations).



## Optional Accessories

**BR-LM1KK**  
Wall Mount Bracket



Front-access wall mount bracket

**DP-1SDI-3G**  
SDI Box



OPS Compatible SDI Card

**DP-01RK**  
Remote Control Kit



Remote Control Kit with an IR Sensor cable



## Specifications

Model		LM46P1(W)
Dimensions		<p>Unit: mm</p>
Dimensions (W x H x D)		1024 x 578.6 x 108 mm (40.3" x 22.8" x 4.3")
Display Device		TFT LCD (SPVA)
Screen Surface Treatment		Anti-glare (Haze 44%)
Mullion Size (total)		B-to-B 5.7 mm (Typ.) / A-to-A 5.9 mm (Typ.)*1
Display Resolution		Full HD (1920 x 1080 Pixels)
Viewable Image Size		46" (H: 1024 mm / V: 578.6 mm)
Back Light Technology		LED (Direct)
Viewing Angle (H/V)		178 Degree (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, Display Port (1.1a) x 1, D-sub15 x 1, Composite (BNC Y: shared with component video) x 1, Component (YPbPr) <BNC> x 1
	Audio	PC-audio (mini-pin) x 1, RCA-audio x 1
Output Connectors	Control	RS-232C x 1, ø3.5mm stereo mini jack x 1, LAN control (RJ-45) x 1
	Video	DVI-D (with HDCP)
Signal Frequency	Audio	RCA pin-jack x 1, External speaker jack x 1
	Control	RS-232C x 1, ø3.5mm stereo mini jack x 1
Power Consumption	Analog	H: 15.625/15.734/31.5-91.1KHz, V: 50/58-85Hz, Pixel clock: 13.5-165MHz
	Digital	H: 31.5-91.1KHz, V: 58-85Hz, Pixel clock: 25-165MHz
Voltage Range		160W (Typ., High Bright mode) 140W (Typ., Standard mode)
Weight		100-240VAC±10%, 50/60Hz±1Hz 24kg / 53lbs
Operation Environment		5-35°C (41-95°F) 20-80% relative humidity
Other Features		Intel OPS slot x 1 Built-in stereo speakers (10W+10W)

\*1 The numbers are design figures only, and do not include the space between the display. When using BR-LM1KK, an addition gap of 1mm is required. B-to-B: Bezel to Bezel, A-to-A: Active to Active.

\*2 In the case of portrait installation, 0-35°C (32-95°F).

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for a greener tomorrow

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