



# Clarity Matrix MX55M-L-ERO

## LCD Video Wall System

The Clarity® Matrix® G3 MX55M-L-ERO is a 55" video wall display equipped with Planar® ERO-LCD™ (Extended Ruggedness and Optics™) protective surface and a tiled bezel width of 2.38mm. Clarity Matrix G3 MX55M-L-ERO provides a nearly seamless digital canvas, outstanding tiled visual performance, extended operation and requires minimal installation space. Designed for 24x7 operation, the Clarity Matrix G3 MX55M-L-ERO features 800 nits brightness, LED backlight technology with user-selectable local dimming and Full HD resolution— making it the ideal video wall for high-impact, mission-critical applications.



SPECIFICATION	DETAIL
<b>Technology</b>	Commercial-grade LCD
<b>Per Panel Dimensions (Including Mount)</b>	47.7 x 26.9 x 3.7 in   1211.3 x 682 x 93.6 mm
<b>Diagonal</b>	~55in (54.72")   1390.1mm
<b>Native Resolution Panels</b>	1920 x 1080
<b>Aspect Ratio</b>	16:9
<b>Tiled Bezel Width</b>	2.38 mm   .09 in
<b>Thermal Expansion Gap Required</b>	0.4 mm   .02 in
<b>Power Consumption (max/display)</b>	235W
<b>Power supply voltage</b>	100-230V AC ± 10%, 50 to 60 Hz
<b>Power Status</b>	Diagnostics LEDs, health monitoring and alerts
<b>Per Panel Weight (Including Mount)</b>	65.5 lbs   29.71 kg (Landscape) 68.4 lbs   31.02 kg (Portrait)
<b>Shipping weight</b>	125 lbs   56.7 kg (single pack) / 208 lbs   94.3 kg (dual pack)
<b>Mounted Depth</b>	4.64in   117.9mm (wall to front of display)
<b>Brightness (typ)</b>	700 cd/m <sup>2</sup> or nits
<b>Contrast ratio (full field)</b>	10000:1 (local dimming on) 1100:1 (local dimming off)
<b>Response Time (typ)</b>	8 ms
<b>Full viewing angle</b>	178°

<b>Video Inputs (Controller)</b>	4x HDMI 2.0 (w/ HDCP 2.2), 1x DisplayPort 1.2
<b>Video Outputs (Controller)</b>	9-Output Controller: 9x RJ45 8P8C, 1x DisplayPort 1.2   4-Output Controller: 4x RJ45 8P8C, 1x DisplayPort 1.2
<b>Video Extension built-in</b>	200ft   60m over STP CAT6
<b>Control</b>	IR Remote Control, RS-232, USB, Network, Leyard WallDirector Software
<b>Sync</b>	Mini BNC In/Out
<b>Backlight control</b>	Individual and wall control
<b>Backlight sensing and reporting</b>	At display level
<b>Display module position sensing</b>	Auto-sensing integrated
<b>Backlight life (1/2 brightness)</b>	50,000 Hrs
<b>Power Supply</b>	Offboard   Redundant Optional   Hot Swap
<b>Wall Mount</b>	Planar® EasyAxis™ Mounting System   VESA Mount (optional)
<b>Acoustic Noise</b>	LCD: <30dBA (fanless), VC: 45dBA, RPS: <40dBA @ 25°C (77°F)
<b>Heat Load (max/display)</b>	802 BTU/hr
<b>Operating Temperature/Humidity (degrees F/C, relative humidity)</b>	5° to 40° C / 20-90% RH   41° to 104° F / 20-90% RH
<b>Orientation</b>	Landscape or Portrait
<b>Safety regulations</b>	Complies with EN60950, FCC Class A, CISPR22/85, CE, EU RoHS
<b>Touch Technology</b>	Clarity Matrix MultiTouch (optional)
<b>Protection</b>	Planar® ERO-LCD™ (Extended Ruggedness and Optics™) Technology (included)
<b>Fiber Video Extension Module Option</b>	1 RU rack mount module drives up to 4 displays
<b>Fiber Video Extension Module Outputs</b>	SFP multi-mode transceivers supports distances up to 300m from wall   Single-mode compatible up to 10k from the wall

For more information, please visit [www.planar.com](http://www.planar.com)

*Specifications are subject to change without notice.*

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