



# Clarity Matrix G3 LX55X

## LCD Video Wall System

The Clarity® Matrix® G3 LX55X is a 55" LCD video wall display with an extreme narrow tiled bezel width of 1.7mm that 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 LX55X features 500 nits brightness, LED backlight technology 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 3.6in   1211 x 683 x 91mm
<b>Diagonal</b>	55in   1397mm
<b>Native Resolution Panels</b>	1920 x 1080
<b>Aspect Ratio</b>	16:9
<b>Tiled Bezel Width</b>	0.06in   1.7mm
<b>Thermal Expansion Gap Required</b>	0.4 mm   .02 in
<b>Power Consumption (max/display)</b>	155W
<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>	51lb   23kg (Landscape) 53lb   24kg (Portrait)
<b>Shipping weight</b>	110 lbs   50 kg (single pack) / 178 lbs   81 kg (dual pack)
<b>Mounted Depth</b>	3.6in   91.44mm (wall to front of display)
<b>Brightness (typ)</b>	500 cd/m <sup>2</sup> or nits
<b>Contrast ratio (full field)</b>	4000:1
<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>	529 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 (optional)
<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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