

Clarity Matrix G3 LX55M

LCD Video Wall System

The Clarity® Matrix® G3 LX55M is a 55" LCD video wall display with a tiled bezel width of 0.88 mm that provides a nearly seamless digital canvas, outstanding tiled visual performance, extended operation and requires minimal installation space. The reduced weight of Clarity Matrix G3 LX55M facilitates increased durability and easier installation. User-selectable local dimming delivers the highest contrast ratio and black-level uniformity, for brighter whites and darker, more consistent, blacks. Designed for 24x7 operation, the Clarity Matrix G3 LX55M 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 |
|---|---|
| Technology | Commercial-grade LCD |
| Per Panel Dimensions (Including Mount) | 47.6 x 26.8 x 3.5 in 1210.5 x 681 x 90 mm |
| Diagonal | 55in 1397mm |
| Native Resolution Panels | 1920 x 1080 |
| Aspect Ratio | 16:9 |
| Tiled Bezel Width | 0.88 mm .04 in |
| Thermal Expansion Gap Required | 0.4 mm .02 in |
| Power Consumption (max/display) | 235W |
| Power supply voltage | 100-230V AC ± 10%, 50 to 60 Hz |
| Power Status | Diagnostics LEDs, health monitoring and alerts |
| Per Panel Weight (Including Mount) | 47 lbs 21.1 kg (Landscape) 49 lbs 22.4 kg (Portrait) |
| Shipping weight | 106 lbs 48.1 kg (single pack) / 170 lbs 77.1 kg (dual pack) |
| Mounted Depth | 3.6in 91.44mm (wall to front of display) |
| Brightness (typ) | 500 cd/m ² or nits |
| Contrast ratio (full field) | 10000:1 (local dimming on) 1100:1 (local dimming off) |
| Response Time (typ) | 8 ms |
| Full viewing angle | 178° |
| Video Inputs (Controller) | 4x HDMI 2.0 (w/ HDCP 2.2), 1x DisplayPort 1.2 |

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

Specifications are subject to change without notice.

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